



UNIVERSITY OF  
**TORONTO**

**Faculty of Arts & Science**

**2016-2017 Calendar**

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## First-Year Seminars: 199H1/Y1 Courses

Director: Anne-Marie Brousseau, Associate Dean Undergraduate  
deb.shaw@utoronto.ca (416-978-0359)

The 199Y1 and 199H1 seminars are designed to provide entering Arts & Science (St. George) degree undergraduates with the opportunity to work closely with an instructor in a class of no more than twenty-four students. Each Seminar focuses on specific disciplinary or interdisciplinary issues, questions or controversies of particular interest to the instructor, and introduces the students to the excitement of discovery inherent in academic work at the University of Toronto. In addition, students are encouraged to develop their ability to think analytically and to express ideas and logical arguments clearly and coherently, both orally and in writing.

These interactive seminars are not designed as introductory surveys to a discipline or program. Rather, they are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Thus, students are encouraged to experience material and methods that are outside the area in which they will eventually concentrate in order to benefit fully from the diversity of the Faculty of Arts & Science.

Each 199Y1 and 199H1 seminar has a generic designator, which corresponds to the Breadth Category the course can fulfill: CCR199 (Creative and Cultural Representations), TBB199 (Thought, Belief, and Behaviour), SII199 (Society and Its Institutions), LTE199 (Living Things and Their Environment), PMU199 (The Physical and Mathematical Universes), or XBC199 (Y course that counts as half in each of two breadth categories).

The 199Y1 and 199H1 seminars count for degree credit in the same way as any other course, but do not count towards a program. First-Year Seminars can be used to satisfy the Breadth Requirement; for details, see the Degree Requirements section of this Calendar).

For a complete listing of the 199Y1 and 199H1 courses, see: <http://www.artsci.utoronto.ca/current/course/fyh-1/fyh>.

NOTE: 198H1 may be used to allow enrolment in two 199H1 seminars in the same session in the same Breadth Category. Students may enrol in ONLY one 199Y1 OR two 199H1 courses.

## Research Opportunity Program: 299Y1 Courses

Director: Anne-Marie Brousseau, Associate Dean Undergraduate  
deb.shaw@utoronto.ca (416-978-0359)

The Research Opportunity Program (ROP) provides an opportunity for Arts & Science (St. George) degree students in their second year (i.e., after completing at least 4 but not more than 9 credits) to earn one course credit by participating in a faculty member's research project. Each 299Y1 course has a program-specific designator, such as ANT, CLA, CSB, VIC, etc. Not all departments or programs will necessarily participate in the ROP each year.

Descriptions of ROP projects are available on the Faculty's web site mid-February. Students wishing to participate should email online ROP Application forms to [deb.shaw@utoronto.ca](mailto:deb.shaw@utoronto.ca) by the due date indicated on the website.

Students can apply to a maximum of three ROPs in total, but can accept only one project. Students are informed in early July (mid-April for Summer courses) whether they have been accepted. Successful

applicants are registered by the ROP office.

Students are expected to keep a journal recording meetings, progress, and what was learned about the project in particular and the nature of research in general.

## Research Excursions: 398H0/399Y0 Courses

Directors:

Anne-Marie Brousseau, Associate Dean Undergraduate  
Mary-Priscilla Stevens, Director, International Programs and Partnerships  
deb.shaw@utoronto.ca (416-978-0359)

The 398/399 Research Excursions provides an opportunity for Arts & Science (St. George) degree students in their third year (i.e., after completing at least 9 but not more than 14 credits) to participate in a practical or experiential activity under the supervision of a faculty member. The practical, experiential component can take the form of research/learning in archives, laboratories, libraries, or in a field camp, etc.—but not in a classroom at another university (that is covered by the Faculty's summer abroad and exchange programs). The projects run within the May-August period, when both Faculty and students would be able to make the time commitments necessary. Regular tuition fees apply.

**Pilot Project:** To accommodate both the needs of the students and the supervisor, for 2016-17 REPs will allow students with up to 16 FCE (fourth year) to participate. However, REPs must include a majority of students having between 9 and 14 FCE. Students must meet all criteria listed above and be approved for participation by Deborah Shaw in the REP office.

Each 398H0/399Y0 has a program-specific designator, such as ANT, CLA, CSB, VIC, etc., and would be eligible to count towards program completion if the program sponsor (Chair or Director) so chooses. A limited number of 398H0/399Y0 courses are available each year. Faculty supervisors propose the projects and choose the students who apply.

Students must also attend a Pre-Departure Orientation through the Safety Abroad Office. Descriptions of the projects are available on the Faculty's web site in early February.

Applications are available online and must be emailed to the supervising instructor by late February. Students are informed in mid-March whether they have been accepted. Successful applicants are registered by the 399 office.

## Faculty

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### Associate Professors

D. McGregor  
A. McKay  
R. Kuokkanen  
C. Suzack

### Lecturer

B. Wastasecoot

## Introduction

Aboriginal Studies is an interdisciplinary undergraduate program dedicated to the study and research of Indigenous peoples in Canada and throughout the world. The program offers courses that engender a rigorous and respectful understanding of Indigenous peoples' languages, knowledges, cultures, histories, politics, arts, intellectual traditions and research methodologies. ABS offers Specialist, Major, and Minor Programs within the Faculty of Arts & Science. Students are encouraged to seek counselling and information about this program from [aboriginal.studies@utoronto.ca](mailto:aboriginal.studies@utoronto.ca) or on our website at <http://www.aboriginalstudies.utoronto.ca>.

## Aboriginal Studies Programs

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### Aboriginal Studies Specialist (Arts Program)

(10 full courses or their equivalents, including at least one 400+level course)

1. ABS201Y1
2. ABS210Y1/ABS220Y1/(ABS230H1, ABS231H1)
3. ABS300Y1 and ABS301Y1/ABS351Y1
4. ABS390H1 and ABS460H1
5. Four additional full-course equivalents from Group A (note: some of these courses have prerequisites)
6. One additional FCE from Group A or Group B below (note: some of these courses have prerequisites)
7. For numbers 5 and 6 above, 2 FCE's must be at the 300 level and .5 FCE at the fourth year level.

### Note

A student who wishes to complete their program in four years should take at least two courses in Aboriginal Studies each year for the first two years, for example, ABS201Y1 and ABS210Y1/ABS220Y1/ ABS230H1 and ABS231H1 the first year; ABS300Y1 and another 300 level course from ABS the second year; ABS301Y1/ABS351Y1 (offered in alternative years) and another 300 level course from ABS the third year; and a four hundred level ABS or JFP course; or one 400 level half course and one 300 level course in their final year.

### Aboriginal Studies Major (Arts Program)

(7 full courses or their equivalent, including at least two 300+level courses)

1. ABS201Y1
2. ABS210Y1/ABS220Y1/ABS230H1 and ABS231H1
3. ABS300Y1 and ABS301Y1/ABS351Y1
4. ABS390H1
5. Two additional full-course equivalents from ABS or JFP (note: some of these courses have prerequisites)
6. One additional .5 FCE from Group A or one .5 FCE from Group B below (note: some of these courses have prerequisites)
7. Of the courses chosen, at least 2 FCE must be at the 300+ level and .5 FCE at the 400 level.

A student who wishes to complete their program in four years should take at least two courses in Aboriginal Studies each year for the first two years, for example, ABS201Y1 and ABS210Y1/ABS220Y1/ABS230H1 and ABS231H1 the first year; ABS300Y1 and another 300 level course from ABS the second year; ABS301Y1/ABS351Y1 (offered in alternative years) and another 300 level course from ABS the third year; and a 400 level ABS or JFP course; or one 400 level half course and one 300 level course in their final year. ABS390H1 is a required course for all ABS Majors.

### Aboriginal Studies Minor (Arts Program)

(4 full courses or their equivalent, including at least one full-course equivalent at the 300+-level)

1. ABS201Y1
2. ABS300Y1/ABS301Y1/ABS351Y1
3. One additional full-course equivalent from ABS or JFP (note: some of these courses have prerequisites)
4. One additional full-course equivalent from Group A below (note: some of these courses have prerequisites)

### Note

A student who wishes to complete their program in four years should take at least two courses in Aboriginal Studies each year for the first two years, for example, ABS201Y1 and ABS210Y1/ABS220Y1/ ABS230H1 and ABS231H1 the first year; ABS300Y1 and another 300 level course from the second year; ABS301Y1/ABS351Y1 (offered in alternative years) and another 300 level course from ABS the third year; and a four hundred level ABS or JFP course; or one 400 level half course and one 300 level course in their final year.

## Aboriginal Studies Groups

### Group A:

ABS201Y1 Introduction to Indigenous Studies: Foundations, History and Politics  
ABS205H1 Indigenous Worldviews, Spiritual and Healing Traditions  
ABS210Y1 Introduction to Anishinaabemowin  
ABS215Y1 Introduction to an Indigenous Language of Canada  
ABS220Y1 Introduction to an Iroquoian Language  
ABS230H1 Introduction to Inuktitut  
ABS231H1 Elementary Inuktitut  
ABS240Y1 Ecological Interactions: Intro to Aboriginal and Western Sciences  
ABS250H1 Indigenous Environmental Science and Practice  
ABS261H1 Contemporary Challenges Facing Indigenous Communities

ABS300Y1 Worldviews, Indigenous Knowledges, and Oral Tradition  
ABS301Y1 Native Language and Culture  
ABS302H1 Aboriginal Representation in the Mass Media and Society  
ABS310Y1 Anishinaabemowin II  
ABS322H1 Indigenous Narratives of Empowerment  
ABS323Y1 Intermediate Iroquoian Language  
ABS340Y1 Aboriginal Health Science  
ABS341H1 North American Indigenous Theatre  
ABS350H1 Indigenous Health Systems  
ABS351Y1 Indigenous Legends & Teachings  
ABS352H1 Indigenous Leadership, Policy and Practices in Canada  
ABS355H1 Current Issues in Indigenous Environment and Health  
ABS352H1 Indigenous Leadership, Policy and Practices in Canada  
ABS353H1 First Nations Politics in Canada  
ABS354H1 Indigenous Governance and Self-Determination  
ABS371H1 Topics in Indigenous Literatures  
ABS372H1 Special Topics in Indigenous Languages  
ABS390H1 Research and Ethics in Indigenous Studies  
ABS398H0 Independent Experiential Study Project  
ABS399Y0 Independent Experiential Study Project  
ABS491Y1 Topics in International Indigenous Studies  
ABS402H1 Traditional Indigenous Ecological Knowledge  
ABS403H1 Indigenous Peoples and the Urban Context  
ABS404H1 Anishinaabewin Intellectual Traditions, Narrative and Culture  
ABS405H1 Indigenous Thought and Expression: Creative Non-fiction  
ABS407H1 Aboriginal/Canadian Relations in Environmental and Resource Management  
ABS460H1 Indigenous Theory, Research and Methods  
ABS491Y1 Topics in International Indigenous Studies  
ABS493H1 Independent Experiential Studies  
ABS494Y1 Independent Experiential Studies  
ABS495Y1 Independent Research  
ABS496H1 Independent Research  
ABS497H1 Independent Research  
ABS498Y1 Independent Research

ANT315H1 Arctic Archaeology  
ANT327H1 "Diversity": Critical/Comparative Studies of Indigeneity, Multiculturalism and (Settler) Colonialism  
ANT458H1 Settler-Colonialism and Indigenous Health in Canada  
ENG254Y1 Indigenous Literatures of North America  
ENG355H1 Indigenous Women's Literature  
HIS366H1 Aboriginal Peoples of the Great Lakes from 1815 to the Present  
HIS369H1 Aboriginal Peoples of the Great Lakes from 1500 to 1830  
HIS419H1 Canada by Treaty, Alliance, Title Transfers and Land Claims  
HIS472H1 Indigenous-Newcomer Relations in Canadian History  
GGR321H1 Aboriginal People and Environmental Issues in Canada (formerly JAG321H1)  
JFP450H1 Aboriginal Issues in Health and Healing  
LIN458H1 Revitalizing Languages  
POL308H1 Aboriginal Politics in Canada (formerly JPA308H1)  
WGS395H1 Indigeneity(s), hub spaces and decolonization

## Group B:

ANT200Y1 Introduction to Archaeology  
ANT204H1 Anthropology of the Contemporary World  
ANT319Y1 Archaeology of North America  
ANT311Y1 Archaeological Fieldwork  
ANT348H1 Anthropology of Health  
ANT366H1 Anthropology of Activism and Social Justice  
ANT410H1 Hunter-Gatherers Past and Present  
HIS106Y1 Natives, Settlers, and Slaves: Colonizing the Americas, 1492-1804  
HIS263Y1 Introduction to Canadian History

HIS294Y1 Caribbean History and Culture: Indigenous Era to 1886  
HIS318H1 Histories of the West in Canada  
HIS365H1 History of the Great Lakes Region  
HIS384H1 Colonial Canada  
HIS402H1 Canada and Decolonization  
JHN323H1 Indigeneity in the Caribbean  
LIN351H1 Sociolinguistic Patterns in Language  
NEW224Y1 Caribbean Thought I  
NEW240Y1 Introduction to Equity Studies  
RLG307H1 Museums and Material Religion

## Faculty of Arts & Science Language Citation

Aboriginal Studies participates in the Faculty of Arts & Science Language Citation Initiative for Anishinaabemowin. The study of the Anishinaabe language is a demanding and intellectually rewarding educational experience. Successful study of this language demonstrates intelligence, discipline, analytical sophistication, and an excellent memory. The study of any language provides invaluable insights into the varieties of human culture and expression.

In each language the Language Citation recognizes a significant level of achievement in language study with a high level of academic success. The Citation in Anishinaabemowin is available to students who complete ABS210Y1 and earn a grade of at least B- in ABS310Y1 and ABS301Y1/ABS351Y1.

Students should note that, as explained in this Calendar, the Language Citation is not equivalent to an academic program and that enrolment in a program is not necessary in order to earn the recognition bestowed by the Citation.

## Aboriginal Studies Courses

### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### ABS201Y1 Introduction to Indigenous Studies: Foundations, History and Politics [48L/24T]

This course is designed to introduce students to the ideas, methods and themes of the discipline of Indigenous Studies. The development of the field of Indigenous Studies in Canada will form an important focus in the first half. The second part of the course will address "history and politics", including an overview of the historical processes of diplomacy, alliances, and treaty-making.

Exclusion: ABS201Y1- Introduction to Aboriginal Studies  
Distribution Requirement Status: Humanities or Social Science  
Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

# Aboriginal Studies

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## **ABS205H1 Indigenous Worldviews, Spiritual and Healing Traditions [24L]**

This course will discuss the relationship between spiritual philosophies, beliefs, traditions and practices that contribute to meaning in Indigenous communities. This course will emphasize traditions and teachings and understanding the role of spirituality historically and within contemporary Indigenous societies, including governance, treaties, environment, culture, healing and everyday life.

Prerequisite: ABS201Y1

Exclusion: ABS205H1 Aboriginal Spirituality

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **ABS210Y1 Introduction to Anishinaabemowin [72L]**

An introduction to the Anishinaabe language, including the syllabic writing system.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ABS215Y1 Introduction to an Indigenous Language of Canada [72L]**

This course will offer an introduction to one of Canada's Indigenous languages, including its writing system. Speaking skills will be emphasized.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ABS220Y1 Introduction to an Iroquoian Language [72L]**

An introduction to one of the languages of the Iroquoian language family.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ABS230H1 Introduction to Inuktitut [24L]**

An introduction to one dialect of Inuktitut, the language of the Inuit, including aspects of other dialects and the syllabic writing system.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ABS231H1 Elementary Inuktitut [24L]**

This course builds on the introduction to Inuktitut from ABS230H. Emphasis will be placed on developing grammatical complexity and vocabulary in students oral skills, as well as dialect and cultural awareness.

Prerequisite: ABS230H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ABS240Y1 Ecological Interactions: Intro to Indigenous and Western Sciences [48L/72P]**

Introduction to methodologies and applications of Aboriginal and Western sciences, with an emphasis on environmental change, animal behaviour, evolution, sustainable practices, and implications of intrinsic ecological connections. Exploratory labs, often outdoors, develop literacy and skills in each paradigm as well as critical thought, creative reflection, and synthesis of knowledge.

Prerequisite: ABS201Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **ABS250H1 Indigenous Environmental Science and Practice (formerly Indigenous Environmental Education) [24L]**

This course is a study of the ecological and scientific teachings of Indigenous peoples. The course provides an overview of Indigenous peoples' relationships with the natural world in historical and contemporary environmental issues and their implications for Indigenous Peoples and others.

Prerequisite: ABS201Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ABS261H1 Contemporary Challenges Facing Indigenous Communities [24L]**

This is a survey course focusing on the contemporary challenges faced by Indigenous peoples in Canada. In this course students research specific challenges facing Indigenous communities today. This includes specific challenges that arise out of the broader topic areas of language and culture, land rights, economics, governance, youth, education, health, social services, environment, violence, healing, community development, repatriation of cultural property, and decolonization.

Prerequisite: ABS201Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ABS300Y1 Worldviews, Indigenous Knowledges, and Oral Tradition [48L]**

A study of the languages and culture of Indigenous peoples through exploration of oral histories, from creation stories until present times, including the role of oral history and methods for studying oral history through accounts told by elders.

Prerequisite: 5 FCE including ABS201Y1, plus one additional ABS full course equivalent

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Creative and Cultural Representations (1)

## **ABS301Y1 Indigenous Language and Culture [48L]**

Examination of the historical interplay of Indigenous languages and cultures in Canada. Particular focus is on the language and culture of an Indigenous people of Ontario.

Prerequisite: 5 FCE including ABS201Y1, plus one additional ABS full course equivalent

Exclusion: ABS200Y1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Creative and Cultural Representations (1)

## **ABS302H1 Indigenous Representation in the Mass Media and Society [24L]**

A survey of historical and contemporary representations of Indigenous people in the mass media. Introduction to basic techniques for evaluating, analyzing, and understanding the construction of Nativeness as it is communicated through film, television, and other media. Examination of racial stereotypes and the role of mass communication in perpetuating and challenging stereotypes, cultural appropriation, Indigenous media production, impact of media portrayal of Indigenous peoples.

Prerequisite: 8 FCE including ABS201Y1, plus one additional ABS full course equivalent

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Creative and Cultural Representations (1)



## **ABS310Y1 Anishinaabemowin II [72L]**

Further study of the Anishinaabe language with emphasis on speaking and writing.

Prerequisite: ABS210Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ABS322H1 Indigenous Narratives of Empowerment [24L]**

This course explores Indigenous decolonization and empowerment by analysing comparatively theoretical and literary debates that focus on issues of sovereignty, gender, grass-roots activism, and anti-racism. It analyses several emerging paradigm approaches to this set of debates including intersectional critical-race theory, Indigenous feminisms, and decolonization practices in theoretical and literary texts.

Prerequisite: 8 FCE including ABS201Y1, plus one additional ABS full course equivalent

Exclusion: ABS496H1 Indigenous Narratives

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Creative and Cultural Representations (1)

## **ABS323Y1 Intermediate Iroquoian Language [72L]**

Further study of an Iroquoian language.

Prerequisite: ABS220Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ABS340Y1 Indigenous Health Science [48L/48P]**

This course is themed in six-week quarters addressing four aspects of Western Science (basic, applied, clinical and population health). Within each quarter, the Western Science theme is examined holistically using Indigenous Science and the four aspects of the Medicine Wheel (physical, mental, emotional, spiritual).

Prerequisite: 8 FCE including ABS201Y1, plus one additional ABS full course equivalent

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **ABS341H1 North American Indigenous Theatre [24L]**

An introduction to the evolution of Indigenous theatre in North America, examining traditional oratory, ceremony, community responsibility, and social construct and their impact on current Indigenous theatre.

Prerequisite: 8 FCE including ABS201Y1, plus one additional ABS full course equivalent

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ABS350H1 Indigenous Health Systems [24L]**

An overview of Indigenous health systems, internationally, nationally, provincially and locally, with a focus on Ontario. Discussion of health models and strategies, policy, legislation, jurisdictional issues, Indigenous health initiatives.

Prerequisite: 8 FCE including ABS201Y1, plus one additional ABS full course equivalent

Exclusion: ABS351H1 Aboriginal Health Systems

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ABS351Y1 Indigenous Legends & Teaching [24L]**

An introduction to laws of Indigenous societies, focusing on the Anishinaabe, as seen through legends and teachings.

Prerequisite: 5 FCE including ABS201Y1, plus one additional ABS full course equivalent

Exclusion: ABS351Y1 Aboriginal Legends and Teachings

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Creative and Cultural Representations (1)

## **ABS352H1 Indigenous Leadership, Policy and Practices in Canada [24L]**

A historical and contemporary overview of leadership and politics in First Nation, Inuit and Metis communities in Canada. This course will focus on pre-contact governance structures, contemporary effects of colonization, and processes and strategies for decolonization. Various policy initiatives from Indigenous organizations will be examined.

Prerequisite: 5 FCE, including ABS201Y1 and one additional ABS designator full course equivalent.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **ABS353H1 First Nations Politics in Canada [24L]**

This course examines recent trends in First Nations politics and their effects on the social, economic and political lives of First Nations Peoples. It provides students with an in-depth understanding of the socio-political and cultural context for First Nations societies in contemporary settings. It explores the legacies of the *Indian Act*, the tabling of the 1969 White Paper and responses to it, the emergence of current Indigenous political movements, Constitutional issues, and First Nations citizenship.

Prerequisite: 5 FCE, including ABS201Y1 and one additional ABS designator full course equivalent

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **ABS354H1 Indigenous Governance and Self-Determination [24L]**

This course examines the theory and practice of Indigenous governance and self-determination in Canada and abroad. It studies forms of Indigenous governance and self-determination past, present and future, with a special section on Aboriginal self-government agreements in Canada.

Prerequisite: ABS353H1 or equivalent or permission of instructor

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **ABS355H1 Current Issues in Indigenous Environment and Health [24L]**

This course will examine current views about Indigenous peoples' health and relationship to environment. The course will focus on Indigenous people's perceptions of health and contemporary health systems, including policy, politics and practices.

Prerequisite: 8 FCE, including ABS201Y1, plus one additional ABS designator course

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

# Aboriginal Studies

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## **ABS371H1 Topics in Indigenous Literatures [24S]**

This seminar provides an in-depth examination of Indigenous literatures in a comparative context. Content in any given year depends on the instructor. See Aboriginal Studies website for more details.

Prerequisite: 8 FCE, including ABS201Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ABS372H1 Special Topics in Indigenous Language [36S]**

This seminar provides an indepth examination of Indigenous language revitalization efforts in Canada and internationally. Content in any given year depends on the instructor. See Aboriginal Studies website for more information.

Prerequisite: 8 FCE, including ABS201Y1 and

ABS210Y1/ABS220Y1/ABS230H1 and ABS231H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Creative and Cultural Representations (1)

## **ABS390H1 Research and Ethics in Indigenous Studies [24S]**

This course examines research approaches, strategies, methods and techniques used in Indigenous studies. It explores a range of topical issues including research ethics and protocols, intellectual property rights, research agreements and community-based research. This course includes the study of quantitative, qualitative and Indigenous methodologies. Critically examines research theories, methodologies and practices used by academic disciplines to study Indigenous peoples. Decolonized research methodologies will form a focus of this course.

Prerequisite: 8 FCEs, including ABS201Y1 and at least one additional ABS designator full course equivalent

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **ABS398H0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Prerequisite: 8 FCE including ABS201Y1

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **ABS399Y0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Prerequisite: 8 FCE including ABS201Y1

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **400-Series Courses**

Aboriginal Studies 400-series courses are open to students who have obtained standing in 10 FCE, ABS201Y1 and 2 FCE ABS designator courses. Students who require a 400-series course to satisfy their program requirements have enrolment priority in the first round of course enrolment. Seminars are designed to provide students with the opportunity to apply their knowledge and practice interpretive and analytical skills at an advanced level. Please note that pre-requisites and exclusions will be strictly enforced.

## **ABS402H1 Traditional Indigenous Ecological Knowledge [36L]**

An overview of the relationships between Indigenous peoples and their environments, including an exploration of cultural, historical, and contemporary aspects of Indigenous environmental philosophies; the nature, control and transmission of Traditional Ecological Knowledge (TEK), and historical uses of TEK in managing the environment.

Prerequisite: 10 FCE, ABS201Y1, plus two additional full-course equivalents in ABS

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **ABS403H1 Indigenous Peoples and the Urban Context [24S]**

Critically examines Indigenous peoples' experiences, encounters and interactions in urban areas in Canada. This course explores the historical and contemporary conditions of Indigenous peoples, including urban governance and the development of Indigenous organizations. This course will focus on youth perspectives and how traditions, cultures and knowledges are expressed in urban settings.

Prerequisite: 10 FCEs, ABS201Y1 plus two additional full-course equivalents in ABS

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **ABS404H1 Anishinaabewin Intellectual Traditions, Narrative and Culture [24S]**

An examination of oral narratives with an emphasis on the significance of language. This course will give students an indepth understanding of Anishinaabewin philosophies, teachings and values.

Prerequisite: 10 FCE, including ABS201Y1 and at least two additional ABS designator full course equivalents.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Creative and Cultural Representations (1)

## **ABS405H1 Indigenous Thought & Expression: Creative Non-fiction (formerly ABS405Y1) [24S]**

An investigation of (Anishnaabe, Iroquoian, Athapaskan, Salish), examined through the study of research and writing of creative-nonfiction.

Prerequisite: 10 FCEs, ABS201Y1 plus two additional full-course equivalents in ABS

Exclusion: ABS405Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **ABS407H1 Indigenous/Canadian Relations in Environmental and Resource Management [36L]**

This course will explore the relationship between Indigenous and non-Indigenous peoples in Canadian society from pre- European contact to the present. The relationship between Indigenous and non-Indigenous peoples in Canada shapes historical and current views of environmental and resource management in a variety of ways.

Economic, environmental, political, social and cultural aspects will be discussed. *This course will be offered in conjunction with JPG1419, a graduate course in the Department of Geography and Program in Planning.*

Prerequisite: Completion of at least 14 FCE, including ABS201Y1 and at least two additional ABS designator full course equivalents or GGR321H1. Permission of the instructor is required.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **JFP450H1 Indigenous Issues in Health and Healing [24L]**

This course consists of an examination of health and healing from a holistic perspective (mental, physical, emotional, spiritual) and how colonialism, culture, and public policy have impacted the health of Aboriginal peoples in the present day. This course is built around a case-based project in which students working in interdisciplinary groups take on the role of a traditional Indigenous healer, and then assess their healing strategy from a biomedical perspective.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **ABS460H1 Indigenous Theory, Research and Methods (formerly Methodology in Aboriginal Studies) [36L]**

This course explores the basis of Indigenous knowledge and how that translates into research theory and methodology. Students will design a research project, consider Indigenous research governance and conduct an ethics review. This is a service learning course. This course is only open to students enrolled in a Specialist or Major in Aboriginal Studies.

Prerequisite: 10 FCEs, including ABS201Y1 and ABS390H1, and at least one additional ABS designator full course equivalent.

Exclusion: ABS460Y1 Methodology in Aboriginal Studies

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **ABS491Y1 Topics in International Indigenous Studies [48S]**

This seminar provides an in-depth examination of Indigenous studies in international contexts. Content in any given year depends on the instructors. See Aboriginal Studies website for more detail. Not eligible for CR/NCR option.

Prerequisite: ABS201Y1 and two additional ABS designator full-course equivalents.

Recommended Preparation: ABS360Y1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **ABS493H1 Independent Experiential Studies [TBA]**

Students design and implement an independent experiential Indigenous studies research project in consultation with an Aboriginal organization and a faculty supervisor. Enrolment requires written permission from a faculty supervisor and Director of Aboriginal Studies. Not eligible for CR/NCR option.

Prerequisite: 10 FCEs, completed ABS390H1 and enrolled in a major or specialist program in Aboriginal Studies

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

## **ABS494Y1 Independent Experiential Studies [TBA]**

Students design and implement an independent experiential Indigenous studies research project in consultation with an Aboriginal organization and a faculty supervisor. Enrolment requires written permission from a faculty supervisor and Director of Aboriginal Studies. Not eligible for CR/NCR option.

Prerequisite: 10 FCEs, completed ABS390H1 and enrolled in a major or specialist program in Aboriginal Studies

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

## **ABS495Y1 Independent Research [TBA]**

Supervised independent research on a topic agreed on by the student and the supervisor before enrolment in the course. Available only when someone is willing and able to supervise. Not eligible for CR/NCR option. Prerequisite: ABS201Y1 plus one additional ABS designator full-course equivalent

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

## **ABS496H1 Independent Research [TBA]**

Supervised independent research on a topic agreed on by the student and the supervisor before enrolment in the course. Available only when someone is willing and able to supervise. Not eligible for CR/NCR option. Prerequisite: ABS201Y1 plus one additional ABS designator full-course equivalent

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

## **ABS497H1 Independent Research [TBA]**

Supervised independent research on a topic agreed on by the student and the supervisor before enrolment in the course. Available only when someone is willing and able to supervise. Not eligible for CR/NCR option. Prerequisite: ABS201Y1 plus one additional ABS designator full-course equivalent

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

## **ABS498Y1 Independent Research [TBA]**

Supervised independent research on a topic agreed on by the student and the supervisor before enrolment in the course. Available only when someone is willing and able to supervise. Not eligible for CR/NCR option. Prerequisite: ABS201Y1 plus one additional ABS designator full-course equivalent

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

# Academic Bridging Program

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e: [academic.bridging@utoronto.ca](mailto:academic.bridging@utoronto.ca)

w: Academic Bridging Program (<http://www.wdw.utoronto.ca>)

## Faculty

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### Director

T. Socknat, MA, Ph D

### Associate Professors, Teaching Stream

W. B. MacDonald, BA, MA

T. Moritz, MA, Ph D

J. B. Rose BA, MA

The Academic Bridging Program allows individuals, who have been away from formal education for some time and are at least 19 years of age, to pursue degree studies at the University of Toronto. The courses in the program are designed to help ease the transition into first-year university courses in Humanities and Social Sciences after time away from prior education.

Courses feature study skills, essay writing skills, library research skills and the methodology of the specific academic discipline involved.

Students are admitted by Woodsworth College to one of four Academic Bridging Program courses: WDW101Y1 (Canadian History), WDW102Y1 (Contemporary Canada), WDW103Y1 (Introduction to the Study of Literature) and WDW104Y1 (Introduction to Environmental Studies). Both part-time and full-time options are available to students.

Students who successfully complete the Academic Bridging Program, earning a grade of 63% or above, are admitted to the Faculty of Arts and Science, at the University of Toronto, with at least one full credit towards their degree for those who complete the part-time Academic Bridging Program. Students who complete the full-time program may transfer up to two full credits towards their degree.

### Program Learning Objectives

Develop Academic Skills:

- students learn clear, mature and reflective spoken and written communication
- students learn critical analytical reading, thinking and writing
- students learn basic information literacy and good academic work habits and study skills

Understand University Culture:

- students learn appropriate classroom protocol
- students learn to use classroom technology
- students learn to access university resources

Enhance Life Skills:

- students learn to assess their personal and academic strengths and weaknesses, and readiness for university
- students learn to develop an appreciation of lifelong learning in and out of the classroom
- students learn to think and act independently and responsibly

The program is offered in the Fall, Winter and Summer sessions. To find out more about the program please contact the Academic Bridging Program office.

### Enquiries:

Millie Rotman Shime Academic Bridging Program  
Woodsworth College  
119 St. George Street, Room 220  
Toronto, Ontario  
M5S 1A9  
t: 416-978-4444

## Academic Bridging Program Courses

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Only students admitted to the Academic Bridging Program may enrol in these courses. Credit for courses will be counted toward degree and breadth requirements however credit for these courses cannot be applied to program requirements.

### WDW101Y1 Canadian History (formerly JWH100Y1) [72L]

This introductory, foundational course is a survey of Canada's political, social, and economic history with special attention to its evolution as a diverse, multicultural nation from European roots. Other themes focus on Canada's native peoples, regionalism, immigration/migration issues, and Canada's role on the international stage, especially relations with Britain and the United States. Not eligible for CR/NCR option.

Exclusion: JWH100Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

### WDW102Y1 Contemporary Canada (formerly JWU100Y1) [72L]

This interdisciplinary, foundational course provides an introduction to contemporary Canadian society. The course includes the study of geography, politics, literature and culture through a historical framework of the twentieth century. It also emphasizes particular themes including aboriginal issues, Quebec nationalism, gender/women's issues and immigration/multiculturalism. Not eligible for CR/NCR option.

Exclusion: JWU100Y1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

### WDW103Y1 Introduction to the Study of Literature (formerly ENG185Y1) [72L]

This discipline based, writing intensive course introduces essential rhetorical and critical skills, focusing on how to recognize major literary forms and how to read and analyze outstanding classic and contemporary literary works of drama, poetry and fiction. Not eligible for CR/NCR option.

Exclusion: ENG185Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### WDW104Y1 Introduction to Environmental Studies [72L]

This interdisciplinary course introduces the major issues regarding the sustainability of the global environment in the face of human development by integrating humanities and social science with the fundamental concept of environmental science. It examines major environmental problems, such as rapid climate change and land degradation as well as the role and impact of government, economics, and ethics on environmental issues.

Distribution Requirement Status: Social Science

Breadth Requirement: Creative and Cultural Representations (1)

## Faculty

### Professors Emeriti

D.F. Andrews, M Sc, Ph D  
 D.A.S. Fraser, BA, Ph D, FRSC  
 I. Guttman, MA, Ph D  
 P. McDunnough, M Sc, Ph D  
 M.S. Srivastava, M Sc, Ph D  
 A.M. Vukov, MA, ASA

### Professor and Chair of the Department

J. Stafford, M Sc, Ph D

### Professor and Associate Chair, Graduate Studies

F. Yao, B Sc, M Sc, Ph D

### Professor and Associate Chair Undergraduate Studies

S. Broverman, B Sc, M Sc, Ph D, ASA, Actuarial Science

### Associate Professor, Teaching Stream and Associate Chair, Undergraduate Studies

A. Gibbs, B. Math, B Ed, M Sc, Ph D, Statistics

### University Professor

N.M. Reid, M Sc, Ph D, FRSC, OC

### Professors

R. Craiu, B Sc, Ph D  
 M.J. Evans, MA, Ph D (UTSC)  
 A. Feuerverger, B Sc, Ph D  
 S. Jaimungal, B Sc, M Sc, Ph D  
 K. Knight, M Sc, Ph D  
 X.S. Lin, M Sc, Ph D, ASA  
 R. Neal, B Sc, Ph D  
 j. Quastel, MS, Ph D  
 J.S. Rosenthal, MA, Ph D  
 L. Sun, B Sc, Ph D  
 B. Virag, Ph D (UTSC)

### Associate Professors

A. Badescu, B Sc, M Sc, Ph D  
 D. Brenner M Sc, Ph D  
 L.J. Brunner, MA, Ph D (UTM)  
 Z. Zhou, B Sc, Ph D

### Assistant Professors

D. Kong, Ph D (UTM)  
 D. Roy, B Sc, M Sc, Ph D (UTSC)

### Associate Professor, Teaching Stream

B. White, Ph D

### Assistant Professors, Teaching Stream

N. Taback, B Sc, M Sc, Ph D  
 V. Zhang, B Sc, M Sc, FSA, ACIA

Actuarial Science is based upon the application of mathematical techniques to reduce the impact of such hazards as loss of income through death, disability, or retirement, or loss of property through fire,

accident, or theft. Actuaries are the chief architects of life, health, and property insurance plans, and pension plans, and bear the major responsibility for their financial soundness. By using concepts from the areas of probability and finance, actuaries model, forecast and value the costs of benefits that will be provided to the participants in such plans. Methods developed for modeling insurance risk can also be applied to modeling investment risk, and actuaries apply their expertise to the valuation of sophisticated investment vehicles such as options on equities, bonds and other investment derivatives. ACT230H1 and 240H1, though somewhat technical, are courses of interest to a wide audience, since almost every student will from time to time be either a saver or a borrower, and will be covered by insurance and pension plans. Other actuarial courses deal with more specialized topics, and are generally taken by students with a more serious interest in the field or who want to pursue a career as an actuary. Professional accreditation as an actuary is obtained via the Canadian Institute of Actuaries by passing a series of examinations set by the Society of Actuaries or the Casualty Actuarial Society. University of Toronto's Actuarial Science program is accredited by the Canadian Institute of Actuaries and some professional requirements can be satisfied through courses in the actuarial program. For more information about actuarial studies and careers, contact Professor Broverman or Professor Lin.

Enquiries: 100 St. George Street, Sidney Smith Hall, Room 6018 (416-978-7582)

Associate Chair, Undergraduate Studies: Statistics - Dr. A Gibbs; e-mail: ugchair.stats@utstat.uoronto.ca

Associate Chair, Undergraduate Studies: Actuarial Science Professor A Badescu; e-mail: andrei@utstat.utoronto.ca

## Actuarial Science Programs

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol. **Courses required in either the major or specialist programs in actuarial science may not be taken as CR/NCR.**

### Actuarial Science Specialist (Science Program)

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol. **Courses required in either the major or specialist programs in actuarial science may not be taken as CR/NCR.**

Required courses: MAT137Y1 with a final mark of at least 65% and ECO100Y1 with a final mark of at least 70% and ACT240H1 and ACT245H1 and ACT247H1 with a final mark of at least 70% in each course. Once these requirements are met by a student, the student will be eligible to enroll in the Actuarial Science Specialist Program. **Note that the Mathematics Department enforces MAT223H/MAT240H as a prerequisite for MAT237Y.**

(12 courses)

This program is designed to prepare a student for professional work as an actuary, and more generally in the financial risk management industry.

First Year:

1. ECO100Y1 (70%)
2. MAT137Y1 (65%)/MAT157Y1
3. MAT223H1/MAT240H1 (should be taken in first year, enforced as a

# Actuarial Science

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prereq for MAT237Y)

Second Year:

1. ACT240H1 (70%), ACT245H1 (70%), ACT247H1 (70%)
2. MAT237Y1/MAT257Y1
3. STA257H1, STA261H1
4. MGT201H1

Higher Years:

ACT348H1, ACT349H1, ACT370H1, ACT451H1, ACT452H1, ACT455H1, ACT460H1, ACT466H1, STA302H1, STA347H1, STA457H1

NOTES:

In order to enroll in ANY 300- or 400-level ACT course, the minimum grade of C must be obtained in each of ACT240H1, ACT245H1 and ACT247H1. **The enrolment requirements and the prerequisites for all ACT courses will be strictly enforced.**

Students who have an interest in pursuing studies in mathematical finance should consider taking MAT244H1, MAT336H1/MAT337H1 and APM346H1. Students in the Actuarial Science Specialist Program who have successfully completed ACT348H1 and ACT349H1 may request to enroll in the following RSM courses (provided the appropriate prerequisites and corequisites are met): RSM430H1, 433H1, 437H1. CSC108H1/CSC120H/CSC121H and MAT246H1 are recommended (not required) for students in the Actuarial Science Specialist Program.

## Actuarial Science Major (Science Program)

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol. **Courses required in either the major or specialist programs in actuarial science may not be taken as CR/NCR.**

Required courses: MAT137Y1 with a final mark of at least 65% and ECO100Y1 with a final mark of at least 70%. **Note that the Mathematics Department enforces STA223H/240H as a prerequisite for MAT237Y.**

(8.5 courses or their equivalent, including at least two full-course equivalents at the 300+-level, of which at least one is at the 400 level)

First Year:

1. MAT137Y1 (65%)/MAT157Y1
2. ECO100Y1 (70%)
3. MAT223H1/MAT240H1 (should be taken in first year, enforced prerequisite for MAT237Y)

Higher Years:

1. MGT201H1
2. ACT240H1, ACT245H1, ACT247H1, ACT348H1, ACT370H1
3. MAT237Y1/MAT257Y1
4. STA257H1, STA261H1
- 5 Two of: ACT349H1, ACT371H1, ACT372H1, ACT451H1, ACT452H1, ACT455H1, ACT460H1, ACT466H1, ACT470H1, ACT473H1, ACT475H1, STA302H1, STA347H1, STA457H1

NOTES:

In order to enroll in ANY 300- or 400-level ACT course, the minimum grade of C must be obtained in each of **ACT240H1, ACT245H1** and **ACT247H1**. **The enrolment requirements and the prerequisites for all ACT courses will be strictly enforced.**

Students who have an interest in pursuing studies in mathematical finance should consider taking MAT244H1, MAT336H1/MAT337H1 and APM346H1.

## Actuarial Science Courses

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### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### ACT230H1 Mathematics of Finance for Non-Actuaries [24L/12T]

Introduction to financial mathematics, interest measurement, present value calculation, annuity valuation, loan amortization, consumer financing arrangements, bond valuation. The course is aimed at a general audience who will not be continuing in the actuarial science program.

Prerequisite: First-year Calculus

Exclusion: ACT240H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### ACT240H1 Mathematics of Investment & Credit [24L/12T]

Interest, discount and present values, as applied to determine prices and values of annuities, mortgages, bonds, equities; loan repayment schedules and consumer finance payments in general; yield rates on investments given the costs on investments.

Prerequisite: MAT137Y1 (minimum grade 65%)/MAT157Y1

Exclusion: ACT230H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### ACT245H1 Financial Principles for Actuarial Science I [24L/12T]

Term structure of interest rates, cashflow duration, convexity and immunization, forward and futures contracts, interest rate swaps, introduction to investment derivatives and hedging strategies.

Prerequisite: ACT240H1, MAT137Y1 (minimum grade 65%)/MAT157Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### ACT247H1 Introductory Life Contingencies [36L]

Probability theory applied to survival and to costs and risks of life assurances, life annuities, and pensions; analysis of survival distributions; international actuarial notation.

Prerequisite: ACT240H1; MAT137Y1 (minimum grade 65%)/MAT157Y1; STA257H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### ACT348H1 Advanced Life Contingencies [36L]

Determination of benefit premium and benefit reserves for life insurance and annuities; analysis of insurance loss random variables; theory of life contingencies for multiple lives.

Prerequisite: ACT240H1 (minimum grade C); ACT245H1 (minimum grade C); ACT247H1 (minimum grade C); (STA257H1, STA261H1); MAT237Y1/MAT257Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **ACT349H1 Corporate Finance for Actuarial Science [24L/12T]**

Actuarial applications of financial mathematics and economics.  
 Prerequisite: ACT240H1 (minimum grade C); ACT245H1 (minimum grade C); ACT247H1 (minimum grade C); (STA257H1, STA261H1); MAT237Y1/MAT257Y1  
 Exclusion: ECO358H1, ECO359H1, RSM332H1, RSM333H1  
 Distribution Requirement Status: Science  
 Breadth Requirement: The Physical and Mathematical Universes (5)

## **ACT370H1 Financial Principles for Actuarial Science II [36L]**

Mathematical theory of financial derivatives, discrete and continuous option pricing models, hedging strategies and exotic option valuation.  
 Prerequisite: ACT240H1 (minimum grade C); ACT245H1 (minimum grade C); ACT247H1 (minimum grade C); (STA257H1, STA261H1); MAT237Y1/MAT257Y1  
 Exclusion: RSM435H1  
 Distribution Requirement Status: Science  
 Breadth Requirement: The Physical and Mathematical Universes (5)

## **ACT371H1 Basic Reserving Methods For P&C Insurance [24L/12T]**

Topics covered include reserving data and triangles, diagnoses methods that range from triangle of ratios of paid claims to reported claims to triangle of reported claim ratios. The syllabus also includes projection techniques.  
 Prerequisite: ACT240H1, STA257H1  
 Recommended Preparation: None  
 Distribution Requirement Status: Science  
 Breadth Requirement: The Physical and Mathematical Universes (5)

## **ACT372H1 Basic Ratemaking Methods For P&C Insurance [24L/12T]**

This course covers the basic ratemaking methods for P&C insurance. It assumes that students are familiar with traditional reserving diagnoses and projection methods. The syllabus would introduce concepts related to earning of exposures, on-level factors, catastrophe loading, large loss loading and credibility.  
 Prerequisite: ACT371H1  
 Recommended Preparation: None  
 Distribution Requirement Status: Science  
 Breadth Requirement: None

## **ACT398H0 Research Excursions [TBA]**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.  
 Distribution Requirement Status: Science  
 Breadth Requirement: The Physical and Mathematical Universes (5)

## **ACT399Y0 Research Excursions [TBA]**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.  
 Distribution Requirement Status: Science  
 Breadth Requirement: The Physical and Mathematical Universes (5)

## **ACT451H1 Loss Models [36L]**

Loss models policy adjustments, frequency and severity models, compound distributions.  
 Prerequisite: STA261H1, ACT348H1, STA347H1 (ACT348H1, STA347H1 can be corequisite with permission of instructor)  
 Distribution Requirement Status: Science  
 Breadth Requirement: The Physical and Mathematical Universes (5)

## **ACT452H1 Loss Models II [36L]**

Estimation of Loss and Survival Models using complete, censored and truncated data. Product-Limit estimation, empirical estimation, moment and percentile estimation, maximum likelihood estimation and simulation models.  
 Prerequisite: ACT348H1, ACT451H1; STA261H1, STA347H1  
 Distribution Requirement Status: Science  
 Breadth Requirement: The Physical and Mathematical Universes (5)

## **ACT455H1 Advanced Topics in Actuarial Science [36L]**

Advanced life contingencies, multiple decrement theory, insurance policy expenses, multi-state transition models, Poisson processes.  
 Prerequisite: ACT348H1; STA347H1  
 Distribution Requirement Status: Science  
 Breadth Requirement: The Physical and Mathematical Universes (5)

## **ACT460H1 Stochastic Methods for Actuarial Science [36L]**

Applications of the lognormal distribution, Brownian motion, geometric Brownian motion, martingales, Itos lemma, stochastic differential equations, interest rate models, the Black-Scholes model, volatility, value at risk, conditional tail expectation.  
 Prerequisite: STA347H1 (required)/ ACT370H1 strongly recommended  
 Distribution Requirement Status: Science  
 Breadth Requirement: The Physical and Mathematical Universes (5)

## **ACT466H1 Credibility and Simulation [36L]**

Limited fluctuation credibility, Bayesian estimation, Buhlmann credibility, non-parametric credibility methods, inverse transformation simulation method, specialized simulation methods for the normal and lognormal distributions, Monte Carlo methods, the bootstrap method.  
 Prerequisite: ACT451H1; STA261H1, STA347H1  
 Distribution Requirement Status: Science  
 Breadth Requirement: The Physical and Mathematical Universes (5)

## **ACT470H1 Advanced Pension Mathematics [36L]**

Topics in pension mathematics; funding methods for pension plans. (Offered in alternate years)  
 Prerequisite: ACT348H1 or permission of instructor  
 Corequisite: ACT455H1  
 Distribution Requirement Status: Science  
 Breadth Requirement: The Physical and Mathematical Universes (5)

## **ACT471H1 Topics in Casualty Actuarial Science [36L]**

Topic for 2016-2017: Advanced Ratemaking Methods for P&C Insurance  
 This course will cover advanced ratemaking methods for P&C insurance. It includes topics such as commercial insurance pricing, catastrophic pricing, reinsurance pricing and GLM applications to P&C insurance.  
 (Offered in alternate years)  
 Prerequisite: permission of instructor  
 Distribution Requirement Status: Science  
 Breadth Requirement: The Physical and Mathematical Universes (5)

## **ACT473H1 Issues In Actuarial Practice [24L/24T]**

Case study approach to current issues in life insurance, pension consulting and casualty actuarial practice. The focus of the course will be on communication and presentation. This course is Pass/Fail. Not eligible for Credit/No Credit. The course is open to students in the specialist program in actuarial science. Students in the major program in actuarial science can enrol into the course with permission of the department.  
 Prerequisite: ACT348H1, ACT349H1  
 Distribution Requirement Status: Science

# Actuarial Science

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Breadth Requirement: The Physical and Mathematical Universes (5)

## **ACT475H1 Insurance Products and Regulation with AXIS [36L]**

Examine key types of insurance products and their pricing and valuation. Review representative developments in insurance regulations in US, Europe and Canada. Demonstrate case studies using leading actuarial application AXIS.

Prerequisite: ACT240H1, ACT245H1, ACT247H1, ACT348H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **ACT496H1 Readings in Actuarial Science [TBA]**

Independent study under the direction of a faculty member. Persons wishing to take this course must have the permission of the Undergraduate Secretary and of the prospective supervisor. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **ACT497H1 Readings in Actuarial Science [TBA]**

Independent study under the direction of a faculty member. Persons wishing to take this course must have the permission of the Undergraduate Secretary and of the prospective supervisor. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **ACT498Y1 Readings in Actuarial Science [TBA]**

Independent study under the direction of a faculty member. Persons wishing to take this course must have the permission of the Undergraduate Secretary and of the prospective supervisor. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **ACT499Y1 Readings in Actuarial Science [TBA]**

Independent study under the direction of a faculty member. Persons wishing to take this course must have the permission of the Undergraduate Secretary and of the prospective supervisor. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)



## Faculty

### Introduction

The American Studies Program is designed to provide students with a broad, yet deep, education about the United States. To ensure breadth, students are required to take an interdisciplinary core course that ranges widely both with respect to the themes covered and disciplinary perspectives applied. As well, the Program offers a wide selection of courses from participating departments and programs in the Faculty, giving students broad exposure to fundamental themes of American life. To ensure depth, the American Studies Program relies heavily on upper level courses, including its own capstone seminars at the 400-level.

#### Associate Professor and Director (Undergraduate Studies)

Peter John Loewen

## American Studies Programs

### American Studies Major (Arts Program)

6.5 full courses or equivalent (FCEs), specified as follows:

1. Students must take 1.0 FCE of the 200-level gateway survey courses in English (ENG250Y1), History (HIS271Y1), Geography (GGR240H1 and GGR254H1), or Political Science (POL203Y1).
2. Students must take USA300H1 (0.5 FCE).
3. 1.0 FCE from each of at least three disciplines categorized below (American Studies may be one of these). (3.0 FCEs)
4. 0.5FCE in Breadth Requirement Category 5: The Physical & Mathematical Universe, or another half course approved by the program director, to fulfill the Quantitative Reasoning competency required in the program.
5. Additional eligible courses from the options listed below to total 6.5 FCEs, including #4 above.
6. At least 2.0 FCEs of the student's 6.5 FCEs must be at the 300-level or above.
7. At least 0.5 FCE must be in American Studies at the 400+ level.

#### First year:

Students are encouraged to take any pre-requisites for the 200-level courses, and/or enrol directly in USA200H1 as a first year student. Of the required second-year disciplinary survey courses only one, POL203Y1, has a pre-requisite; students interested in politics, therefore, should take one full POL course, a pre-req for POL203Y1. Other recommended courses at the first year level include: HIS106Y1 Natives, Settlers and Slaves: Colonizing the Americas, 1492-1804.

#### Second year:

USA200H1 Introduction to American Studies (recommended)  
 HIS271Y1 History of the United States since 1607 (or)  
 ENG250Y1 American Literature (or)  
 GGR240H1 and GGR254H1 Historical Geography of North America/Geography USA (or)  
 POL203Y1 U.S. Government and Politics

#### Second, third, and fourth years:

USA300H1 plus 4.5 FCEs of eligible courses listed below. At least 2.0 of

these courses must be at 300+ level or above and .5 courses in American Studies at the 400+ level. Plus 0.5FCE in Breadth Requirement Category 5.

NOTE: Other 300+ series courses with American content may be allowed; students should seek early approval of program credit for such courses.

### American Studies Minor (Arts Program)

(4 full courses or their equivalent, including at least one 300+ series course in at least two disciplines)

#### Second year:

1. 1.0 FCE of the 200-level gateway survey courses in English (ENG250Y1), History (HIS271Y1), Geography (GGR240H1 and GGR254H1), or Political Science (POL203Y1).

#### Third year:

2. Students must take USA300H1 (0.5 FCE).

#### Second, third, and fourth years:

3. 2.5 courses from the eligible courses listed below to total 4.0 FCEs.

NOTE: Other 300+ series courses with American content may be allowed; students should seek early approval of program credit for such courses.

## Courses eligible for program credit

Courses eligible for program credit include those appearing below. Please note that some of these courses have pre-requisites; in all cases, and for updates on courses being offered, check individual department/program websites. Other 300+ series courses with American content may be allowed; students should seek early approval of program credit for such courses.

### American Studies

USA200H1 Introduction to American Studies  
 USA300H1 Theories and Methods in American Studies  
 USA310H1/USA311H1/USA312H1/USA313H1 Approaches to American Studies  
 USA400H1/USA401H1/USA402H1/USA403H1 Topics in American Studies  
 USA494H1 Independent Studies  
 USA495Y1 Independent Studies

### Aboriginal Studies

ABS302H1 Aboriginal Representation in the Mass Media and Society  
 ABS341H1 North American Indigenous Theatre

### Anthropology

ANT365H1 Native America and the State

### Cinema Studies

CIN270Y1 American Popular Film Since 1970  
 CIN211H1 Science Fiction Film  
 CIN230H1 The Business of Film  
 CIN310Y1 Avant-Garde and Experimental Film  
 CIN374Y1 American Filmmaking in the Studio Era  
 CIN334H1 The Origins of the Animation Industry, 1900-1950: A Technosocial History  
 CIN490Y1/491H1/492H1 Advanced Studies in Cinema

### Drama

# American Studies

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DRM310H1 Contemporary American Drama

## East Asian Studies

EAS474H1 U.S. and Canada's Wars in Asia

## Economics

ECO423H1 Topics in North American Economic History

## English

ENG250Y1 American Literature

ENG254Y1 Indigenous Literatures of North America

ENG360H1 Early American Literature

ENG363Y1 Nineteenth-Century American Literature

ENG364Y1 Twentieth-Century American Literature

ENG365H1 Contemporary American Fiction

ENG368H1 Asian North American Literature

ENG375Y1 Jewish Literature in English

ENG434H1/ENG435H1 Advanced Studies: American and Transnational Literatures

ENG438H1 Advanced Studies Seminar: American and Transnational Literatures

## Fine Art History

FAH375H1 American Architecture: A Survey

## Geography

GGR240H1 Historical Geography of North America

GGR254H1 Geography USA

GGR336H1 Urban Historical Geography of North America

GGR339H1 Urban Geography, Planning and Political Processes

## History

HIS106Y1 Natives, Settlers and Slaves: Colonizing the Americas, 1492-1804

HIS202H1 Gender, Race and Science

HIS271Y1 American History Since 1607

HIS300H1 Energy Cultures in North American History

HIS310H1 Histories of North American Consumer Culture

HIS316H1 History of Advertising

HIS343Y1 History of Modern Espionage

HIS365H1 History of the Great Lakes Region

HIS366H1 Aboriginal Peoples of the Great Lakes from 1815 to the Present

HIS369H1 Aboriginal Peoples of the Great Lakes from 1500

HIS370H1 The Black Experience in the United States Since the Civil War

HIS372H1 Topics in U.S. History

HIS373H1 United States & Great Depression

HIS374H1 American Consumerism - The Beginnings

HIS375H1 Politics and Protest in Postwar North America

HIS376H1 The United States: Now –and Then

HIS377H1 20th-Century American Foreign Relations

HIS378H1 America in the 1960s

HIS389H1 Topics in History

HIS393H1 Slavery and the American South

HIS400H1 The American War in Vietnam

HIS401H1 History of the Cold War

HIS404H1 Topics in North American Environmental History

HIS408Y1 History of Race Relations in America

HIS436H1 Culture and the Cold War

HIS447H1 Sex, Money, and American Empire

HIS463H1 Cloth in American History to 1865

HIS473Y1 The United States and Asia in the Cold War Era

HIS476H1 Voices from Black America

HIS478H1 Hellhound on my Trail: Living the Blues in the Mississippi Delta, 1890-1945

HIS479H1 American Foreign Policy Since World War II

HIS484H1 The Car in North American History

HIS487H1 Animal and Human Rights in the Anglo-American Culture

## Music

MUS306H1 Popular Music in North America

## Political Science

POL203Y1 U.S. Government and Politics

POL300H1 U.S. Party Politics and Presidential Elections

POL326Y1 United States Foreign Policy

POL433H1 Topics in United States Government and Politics: Presidential Politics in America

## Religion

RLG315H1 Rites of Passage

RLG442H1 North American Religions

## Women and Gender Studies

WGS435H1S: Culture and History of the Nuclear Age

## Victoria College

VIC132H1 The USA in the Cold War

VIC130H1 Movies, Madness and the Modern Condition

## American Studies Courses

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### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### USA200H1 Introduction to American Studies [24L]

An interdisciplinary introduction to the study of the United States and to the field of American Studies. Drawing from a variety of source materials ranging from political and literary to visual culture and material artifacts, this course examines the politics, history and culture of the U.S. A major emphasis will be learning to analyze primary sources. Distribution Requirement Status: Humanities or Social Science Breadth Requirement: Society and its Institutions (3)

### USA300H1 Theories and Methods in American Studies (formerly USA300Y1) [24L]

This course, required for majors and minors but open to all who have met the pre-requisites, explores a range of approaches to the field of American Studies. Students will be introduced to some of the many 'theories and methods' that have animated the field of American Studies, including historical methods; formal analysis of visual and literary texts; and key concepts, such as commodity chain analysis; 'race,' 'commodity,' 'gender,' 'diaspora,' and 'affect.' Prerequisite: HIS271Y1/ENG250Y1/POL203Y1/GGR240H1/GGR254H1 Exclusion: USA300Y1 Distribution Requirement Status: Humanities or Social Science Breadth Requirement: Society and its Institutions (3)

**USA310H1 Approaches to American Studies [24L]**

An in-depth, interdisciplinary examination of a specific question concerning U.S. history, politics, and/or culture. Focus varies depending on instructor. Major emphases include reading critically and the initial steps of conducting original research.

Prerequisite: At least two courses from the American Studies list or USA300H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

**USA311H1 Approaches to American Studies [24L]**

An in-depth, interdisciplinary examination of a specific question concerning U.S. history, politics, and/or culture. Focus varies depending on instructor. Major emphases include reading critically and the initial steps of conducting original research.

Prerequisite: At least two courses from the American Studies list or USA300H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

**USA312H1 Approaches to American Studies [24L]**

An in-depth, interdisciplinary examination of a specific question concerning U.S. history, politics, and/or culture. Focus varies depending on instructor. Major emphases include reading critically and the initial steps of conducting original research.

Prerequisite: At least two courses from the American Studies list or USA300H1

Distribution Requirement Status: Humanities or Social Science

**USA313H1 Approaches to American Studies [24L]**

An in-depth, interdisciplinary examination of a specific question concerning U.S. history, politics, and/or culture. Focus varies depending on instructor. Major emphases include reading critically and the initial steps of conducting original research.

Prerequisite: At least two courses from the American Studies list or USA300H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

**USA400H1 Topics in American Studies [24S]**

In-depth examination of specific themes relating to American Studies.

Prerequisite: At least two courses from the American Studies list

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

**USA401H1 Topics in American Studies [24S]**

In-depth examination of specific themes relating to American Studies.

Prerequisite: At least two courses from the American Studies list

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

**USA402H1 Topics in American Studies [24S]**

In-depth examination of specific themes relating to American Studies.

Prerequisite: At least two courses from the American Studies list

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

**USA403H1 Topics in American Studies [24S]**

In-depth examination of specific themes relating to American Studies.

Prerequisite: At least two courses from the American Studies list

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

**USA494H1 Independent Studies**

Independent Studies. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

**USA495Y1 Independent Studies**

Independent Studies. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

# Anatomy

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## Faculty

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### Professor and Chair of the Division

C. Morshead, PhD

### Professors Emerita

P.A. Stewart, PhD

I.M. Taylor, MD

M.J. Wiley, MSc, PhD

### Professor

A.M. Agur, MSc, PhD

### Associate Professors

P. Koeberle, PhD

H.S. Sun, MD, MSc, PhD

### Associate Professors, Teaching Stream

B. A. Ballyk, B.Sc.H, M.Sc. Ph.D.

J. LaPrade, Ph.D.

### Assistant Professor, Teaching Stream

Dr. Mubarak Bidmos, MBBS, MSc, PhD, PG Dip Transf. Med/

## Anatomy Courses

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### ANA300Y1 Human Anatomy and Histology [86L/18P]

Structure of the human body and its relationship to function. Basic Human Histology, Gross Anatomy, and Neuroanatomy.

Prerequisite: BIO130H1

Exclusion: ANA126Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### ANA301H1 Human Embryology [48L]

Human embryology from fertilization to the end of the fetal period. Current concepts in mammalian morphogenesis applied to the development of the various organ systems; etiologies and pathogenesis of some of the more common human congenital abnormalities.

Prerequisite: BIO130H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### ANA400H1 Anatomy Dissection [24P/24S]

A focussed series of Anatomical dissections will be made and the surgical implications of the findings will be the subject of seminars. Attitudes to dissection of the human body, complications of surgery and other relevant issues will be discussed.

Prerequisite: ANA300Y1 and permission of department. Normally a "B+" standing will be required

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### ANA498Y1 Project in Anatomy [TBA]

A research project in Histology, Cellular or Molecular Biology, Developmental Biology, Neuroanatomy or Gross Anatomy. Not eligible for CR/NCR option.

Prerequisite: Permission of a professor to supervise the project

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## Faculty

### University Professor Emeritus

R.B. Lee, MA, Ph D, FRSC

### Professors Emeriti

F.D. Burton, MA, Ph D (UTSC)  
 J.J. Chew, MA, Ph D  
 R.B. Drewitt, Ph D  
 M.R. Kleindienst, MA, Ph D (UTM)  
 J. Mavalwala, M Sc, Ph D  
 F.J. Melbye, MA, Ph D (UTM)  
 S. Nagata, MA, Ph D (U)  
 S.B. Philpott, MA, Ph D  
 A.K. Ray, M Sc, Ph D  
 W.J. Samarin, BA, Ph D  
 B.A. Sigmon, MS, Ph D (UTM)  
 G.A. Smith, MA, Ph D (U)  
 D.H. Turner, BA, Ph D (T)

### Associate Professors Emeriti

M.A. Latta, MA, Ph D (UTSC)  
 M.D. Levin, MA, Ph D (N)

### Professor and Chair of the Department

E.B. Banning, MA, Ph D (U)

### Professors

D.R. Begun, MA, Ph D  
 J.P. Boddy, MA, Ph D, FRSC  
 M. Chazan, M Phil, Ph D (V)  
 G.G. Coupland, MA, Ph D  
 G.W. Crawford, MA, Ph D, FRSC (UTM)  
 M. Danesi, MA, Ph D, FRSC (V)  
 T.M. Friesen, MA, Ph D  
 I. Kalmar, MA, Ph D (W, V)  
 M.J. Lambek, MA, Ph D, FRSC (UTSC)  
 T. Li, MA, Ph D (U)  
 H.V. Luong, MA, Ph D  
 E. Parra, BS, Ph D (UTM)  
 S.K. Pfeiffer, MA, Ph D  
 D. Sellen, MA, Ph D  
 J. Sidnell, MA, Ph D (UTM)  
 H. Wardlow, MA, Ph D, MPH

### Associate Professors

S. Bamford, MA, Ph D (UTSC)  
 J. Barker, MA, Ph D  
 F. Cody, MA, Ph D (UTM, AI)  
 H. Cunningham, MA, Ph D (U)  
 G. Daswani, MSc, Ph D (UTSC)  
 N. Dave, MA, Ph D  
 G.S. Gillison, BA, Ph D (T)  
 S. Lehman, MA, Ph D  
 B. McElhinny, MA, Ph D  
 H. Miller, MA, Ph D (UTM)  
 A. Muehlebach, MA, Ph D (UTM)  
 V. Napolitano, MA, Ph D  
 T.L. Rogers, MA, Ph D (UTM)  
 T. Sanders, MA, Ph D (UTM)  
 S. Satsuka, MA, Ph D

L.A. Sawchuk, MA, Ph D (UTSC)  
 M. Schillaci, MA, Ph D (UTSC)  
 M. Silcox, Ph D (UTSC)  
 D.G. Smith, MA, Ph D (UTM)  
 J. Song, Ph D  
 E. Swenson, MA, Ph D

### Assistant Professors

B. Dahl, MA, Ph D (UTSC)  
 G. Dewar, MA, Ph D (UTSC)  
 T. Galloway, MA, Ph D (UTM)  
 S. M. Hillewaert, MA, Ph D (UTM)  
 K. Kilroy-Marac, Ph D (UTSC)  
 C. Krupa, MA, Ph D (UTSC)  
 K. Maxwell, MA, Ph D  
 L. Mortensen, MA, Ph D (UTSC)  
 A. Paz, Ph D (UTSC)  
 J. Teichroeb, MA, Ph D (UTSC)  
 B. Viola, M Sc, Ph D  
 L. Xie, MA, Ph D (UTM)  
 D. Young, MA, Ph D (UTSC)

### Lecturers

M. Cummings, MA, Ph D (UTSC)  
 J. Gamble, MA, Ph D  
 A. K. Patton, MA, Ph D

Anthropology examines the complexity and diversity of human experience, past and present, through evolutionary, archaeological, social, cultural, and linguistic perspectives. As such, Anthropology is a truly interdisciplinary venture that spans the natural sciences, social sciences, and humanities. This broad mandate has led to the division of the discipline into three broad areas of research: Archaeology; Evolutionary Anthropology; and the study of Society, Culture and Language.

Archaeologists study the material remains of the human past. Archaeological methods range widely, from the study of artifacts to the analysis of plant and animal remains, and Archaeological research covers a vast expanse of time from the earliest stone tools to the complex record left by modern industrial society. Archaeologists also grapple with a range of theoretical issues including material culture, culture change, identity, and ritual. Many archaeologists today also work in collaboration with local communities and engage with the questions of archaeological ethics.

Evolutionary Anthropology is the study of the biological diversity of humans, the history of this diversity, and the biological relationships between humans and non-human primates. Major foci in Evolutionary Anthropology include Human Biology, the study of modern humans; Osteology, the study of the human skeleton; Paleoanthropology, the study of human evolution; and Primatology, the study of non-human primates. Evolutionary anthropologists integrate biological and social variables in their explanations of the effects of evolution on humans and other primates.

At the core of the study of Society, Culture and Language is the question of how we humans organize our lives together, and why we do so in such vastly different ways. The orientation is global and contemporary. We explore social relations: relations between kin and neighbours, between genders and generations, between ethnic groups and nations, between rich and poor, between people and the natural environment that sustains them, and between people and their gods. We also explore the production and communication of meanings through rituals, images,

# Anthropology

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memories, symbols and linguistic codes. Topics include environment, power, ideology, identity, subjectivity, media, sexuality, ethics, affect, activism, health, cities, work and international development.

A training in anthropology prepares students to think clearly and critically; to engage with a wide range of perspectives, experiences, and world views; and to reach ethically sound decisions. Programs available within the Department of Anthropology provide excellent preparation for careers in business, or public service and the non-profit sector, especially in areas where international and human diversity issues are important. Courses in anthropology provide a unique grounding and can be fruitfully combined with courses in a wide variety of other disciplines in the sciences, social sciences, and humanities. Undergraduate Program Administrator/Student Counsellor: Anthropology Building, 19 Russell Street, Room 258 (416-978-6414).

## Anthropology Programs

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PLEASE NOTE THAT NOT ALL COURSES ARE OFFERED EVERY YEAR. CONSULT THE CURRENT TIMETABLE FOR COURSE OFFERINGS.

\* Note: ANT courses are those offered with the following prefixes: ANT, ABS, ARH, HAJ, JAL, JAH and JGA.

### Anthropology Major (General) (Arts Program)

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol.

Courses for admission: ANT100Y1 with a final mark of at least 67% or ANT200Y1 or ANT203Y1 or ANT204H1 or ANT207H1 with a final mark of at least 70%.

Major program:

(6.5 full courses or their equivalent)

First and/or Second Year

1. ANT100Y1
2. ANT207H1
3. 1.0 FCE from ANT200Y1, ANT203Y1
4. 0.5 from ANT204H1, ANT208H1, ANT253H1

Upper years

5. 2.5 FCE at the 300+-level from either Group A or Group B or Group C, including at least 0.5 FCE at the 400-level.
6. 1.0 additional FCE from a Group other than that used to meet requirement #5

### Anthropology Minor (General) (Arts Program)

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol.

Courses for admission: ANT100Y1 with a final mark of at least 67% or ANT200Y1 or ANT203Y1 or ANT204H1 or ANT207H1 with a final mark of at least 70%.

Minor program:

(4 full courses or their equivalent including at least one 300-level course; excluding ANT497Y/ANT498H/ ANT499H)

First and/or Second Year

1. ANT100Y1
2. 2 FCEs from ANT200Y1, ANT203Y1, ANT204H1, ANT207H1, ANT208H1, ANT253H1

Upper years

3. One full course equivalent at the 300+ level from either Group A or Group B or Group C

### Anthropology Major (Evolutionary) (Science Program)

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol.

Courses for admission: ANT100Y1 with a final mark of at least 67% or ANT203Y1 with a final mark of at least 70%.

(7.5 full courses or their equivalent, including at least 2 FCE at the 300+ level, 0.5 FCE of which must be at the 400-level)

First Year and/or Second Year:

1. BIO120H1
2. ANT100Y1 or BIO220H1. If BIO220H1 is taken, students must take an additional 0.5 FCE in ANT
3. ANT203Y1

Upper Years:

4. 2.0 FCE from ANT208H1, ANT333Y1, ANT334H1, ANT335Y1, ANT336H1
5. 2.5 additional FCE from: Group B and/or ANT406H1, ANT415Y1, ARH312Y1
6. 0.5 FCE at the 400-level from Group B

### Anthropology Specialist (Society, Culture, and Language) (Arts Program)

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol.

Courses for admission: ANT207H1 with a final mark of at least 70%.

(10 full courses or their equivalent, including at least 2 FCE at the 400 level)

First and/or Second Year

1. ANT204H1 and ANT207H1

Upper years

2. ANT370H1 and ANT380H1
3. 6 FCE from Group C including at least 0.5 FCE course from Subgroup C(i)
4. ANT475H1 and an additional 1.5 FCE at the 400-level

Note: Students who enrolled in the Specialist in Anthropology (Social/Cultural) in 2009-10 or 2010-11 and who did not take ANT210H1 are strongly encouraged to take ANT380H1, but may instead take an additional half course from Group C

## Anthropology Major (Society, Culture, and Language) (Arts Program)

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol.

Courses for admission: ANT100Y1 with a final mark of at least 67% or ANT207H1 with a final mark of at least 70%.

(6.5 full courses or their equivalent including at least 2.0 FCE at the 300+ level and at least 1 FCE at the 400 level)

First and/or Second Year

1. ANT207H1
2. ANT204H1 or ANT253H1

Upper years

3. ANT370H1 or ANT425H1
4. Five additional FCE from Group C including at least 1 FCE at the 400 level. Students who want to focus more specifically on the role of language in culture and society should take ANT253H1, ANT425H1, and courses in the C (ii) Subgroup

## Environmental Anthropology Minor (Arts Program)

A program focused on understanding the diverse nature of interactions between humans and their environments, both in the past and in modern global society. Consult the Undergraduate Office, Department of Anthropology (416-978-6414).

(4 full courses or their equivalent; must include at least one full-course equivalent at the 300+-level)

1. ANT100Y1/(ENV221H1, ENV222H1/GGR222H1)/ENV222Y1/GGR222Y1
2. ANT200Y1/ (ANT204H1 + ANT207H1/0.5 300 level Social Anthropology course)
3. Two FCE's from: ABS250H1, ABS402H1; ANT315H1, ANT336H1, ANT346H1, ANT351H1, ANT364H1, ANT366H1, ANT368H1, ANT371H1, ANT374H1, ANT376H1, ANT409H1, ANT410H1, ANT415Y1, ANT420H1, ANT430H1, ANT450H1

## Anthropology Groups

### Group A: (Archaeology)

ANT200Y1, ANT299Y1, ANT311Y1, ANT314H1, ANT315H1, ANT316H1, ANT317H1, ANT318H1, ANT319Y1, ANT320H1, ANT372H1, ANT390H1, ANT406H1, ANT407H1, ANT409H1, ANT410H1, ANT411H1, ANT412H1, ANT415Y1, ANT416H1, ANT419H1, ANT420H1, ANT491Y1/ANT491H1, ANT497Y1/ANT498H1/ANT499H1; ARH305H1, ARH306Y1, ARH309H1, ARH312Y1, ARH360H1, ARH361H1/ARH361Y1, ARH482H1, ARH494H1, ARH495H1; VIC225Y1

### Group B: (Evolutionary)

ANT203Y1, ANT208H1, ANT299Y1, ANT330Y1, ANT333Y1,

ANT334H1, ANT335Y1, ANT336H1, ANT338H1, ANT371H1, ANT390H1, ANT430H1, ANT432H1, ANT434H1, ANT435H1, ANT436H1, ANT438H1, ANT481H1, ANT491Y1/ANT491H1, ANT497Y1/ANT498H1/ANT499H1; HAJ453H1

### Group C: (Society, Culture, and Language)

ANT204H1, ANT207H1, ANT208H1, ANT299Y1, ANT322H1, ANT324H1, ANT343H1, ANT345H1, ANT346H1, ANT347Y1, ANT348H1, ANT349H1, ANT351H1, ANT356H1, ANT358H1, ANT364H1, ANT366H1, ANT368H1, ANT369H1, ANT370H1, ANT371H1, ANT372H1, ANT374H1, ANT376H1, ANT378H1, ANT380H1, ANT384H1, ANT390H1, ANT426H1, ANT435H1, ANT440H1, ANT441H1, ANT445H1, ANT447H1, ANT449H1, ANT450H1, ANT451H1, ANT452H1, ANT456H1, ANT457H1, ANT460H1, ANT462H1, ANT473H1, ANT474H1, ANT475H1, ANT476H1, ANT480H1, ANT484H1, ANT485H1, ANT486H1, ANT490Y1, ANT491Y1/ANT491H1, ANT497Y1/ANT498H1/ANT499H1; JAH391Y0/JAH391H1; JNH350H1; NEW250Y1; NMC356H1; VIC225Y1

### Subgroup C (i): (Society, Culture and Language-Area)

ANT327H1, ANT340H1, ANT341H1, ANT458H1, ANT468H1, ANT472H1, ANT477H1; NEW316H1; NMC241H1

### Subgroup C(ii): (Society, Culture and Language –Linguistic)

ANT253H1, ANT329H1, ANT425H1, ANT427H1, ANT483H1, ANT497Y1/ANT498H1/ANT499H1; JAL328H1, JAL353H1, JAL355H1, JAL401H1; SLA380H1

\*\*\*ANT390H1 This course may be placed in either Group A or B or C depending on the topic which will vary from year to year.

## See also

Aboriginal Studies - See Aboriginal Studies

Archaeology - See Archaeology

## Anthropology Courses

Anthropology offers Social Science and Science Courses; below are first, Social Science courses, then Science courses.

## Anthropology Social Science Courses

### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### ANT100Y1 Introduction to Anthropology [48L/12T]

Society and culture from various anthropological perspectives: socio-cultural, evolutionary, archaeological, and linguistic.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3) + Living Things and Their Environment (4)

# Anthropology

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## **ANT200Y1 Introduction to Archaeology [48L/24T]**

How did art and technology develop in the course of human evolution? What led to the development of agriculture and settled village life? How did social inequality and urbanism emerge? This course takes a global perspective to explore the archaeological evidence that sheds light on these questions and other aspects of prehistory and early history. Students will engage with the challenges posed by new discoveries and also with recent developments in archaeological method and theory. The goal of the course is to involve students with the current state of archaeological research and some of the major issues archaeologists work to address.

Recommended Preparation: ANT100Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT204H1 Anthropology of the Contemporary World (formerly ANT204Y1) [24L/12T]**

A course focused on recent anthropological scholarship that seeks to understand and explain the transformation of contemporary societies and cultures. Topics may include some of the following: new patterns of global inequality, war and neo-colonialism, health and globalization, social justice and indigeneity, religious fundamentalism, gender inequalities, biotechnologies and society etc.

Exclusion: ANT204Y1

Recommended Preparation: ANT100Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT207H1 Core Concepts in Social and Cultural Anthropology [24L/12T]**

Society, culture, kinship, exchange, community, identity, politics, belief: these and other core concepts are explored in this course, which lays the foundation for advanced courses in social and cultural anthropology.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT208H1 Medical Anthropology: an Evolutionary Perspective on Human Health [24L/10T]**

Introduction to applied evolutionary medical anthropology. It explores evidence for the evolution of human vulnerability to disease across the life cycle (conception to death) and implications for health of contemporary populations in gendered cross-cultural perspective.

Recommended Preparation: ANT100Y1/BIO120H1

Distribution Requirement Status: Social Science or Science

Breadth Requirement: Living Things and Their Environment (4)

## **ANT253H1 Language & Society [24L]**

This course introduces linguistic analysis with a view towards its application to the study of the relation between culture and social structure. The interplay of pronunciation, grammar, semantics, and discourse with rituals, ideologies, and constructions of social meaning and worldview are discussed in tandem with the traditional branches of linguistic analysis: phonology, morphology, grammar, syntax, and semantics. The objective of the course is to provide a broad framework for understanding the role of language in society.

Exclusion: JAL253H1

Recommended Preparation: ANT100Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **ANT299Y1 Research Opportunity Program**

Credit course for supervised participation in faculty research project.

Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **ARH305H1 Archaeological Interpretation [24L]**

Transforming archaeological results into statements about people and their life ways. Covers basic archaeological theory, including research design, sampling, stratigraphy, seriation, formation and testing or evaluation of hypotheses, regional analyses. Introduces some of the major schools of archaeological theory, including New Archaeology and Post-Processual Archaeology.

Prerequisite: ANT200Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **ARH306Y1 Archaeological Field Methods [12L/61P]**

Intensive instruction in archaeological field methods and acquisition of field skills, including archaeological search and survey, site mapping, laying out excavation grids, use of theodolites, total station, and GPS, stratigraphic excavation, stratigraphy, field recording, screening sediment, Ontario license and reporting requirements. Normally this course would take place on campus in the summer. This course has a mandatory Lab Materials Fee of \$25 to cover non-reusable materials. The fee will be included on the student's ACORN invoice.

Prerequisite: ANT200Y1 or (NMC260H1 and NMC262H1) or NMC261Y0

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **ARH309H1 Archaeology, Ethics, and the Public [24L]**

An analysis of ethics in contemporary archaeology that covers reburial and repatriation, interpretation of the archaeological record in the context of historically oppressed groups, ethnic minorities, and non-western societies, the ethics of collecting and managing cultural property, relationships with the media, the debates surrounding looting, and other issues.

Prerequisite: ANT200Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT311Y1 Archaeological Fieldwork**

Practical field training through six weeks of excavation on an archaeological site. Basic principles of artifact handling and classification. (Offered only in Summer Session) Not eligible for CR/NCR option.

Prerequisite: ANT200Y1

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **ARH312Y1 Archaeological Laboratory [28L/44P]**

Techniques for making archaeological data meaningful after excavation or survey. Archaeological measurements, compilation of data, database design, archaeological systematics, and sampling theory in the context of lithics, pottery, floral, faunal and other archaeological remains.

Prerequisite: ANT200Y1 and a half statistics course (e.g. GGR270H1\*, STA220H1, STA221H1, STA257H1, STA261H1, ANTC35H3\*\*). Note:

\*Geography Pre- or co-requisites waived for Anthropology and Archaeology students; \*\* to be taken at the Scarborough Campus

Distribution Requirement Status: Social Science

Breadth Requirement: The Physical and Mathematical Universes (5)



## **ANT314H1 Archaeology of the Pacific Northwest [24L]**

An archaeological survey of the human prehistory of northwestern North America from the late Pleistocene to the time of early European contact. Geographical coverage will include the Northwest Coast, California, and the Intermontane Plateau.

Prerequisite: ANT200Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT315H1 Arctic Archaeology [24L]**

Archaeology and ethnohistory of Arctic cultures. Emphasis is on variation in social organization, settlement pattern, economy, ideology, and interaction with the expanding European world-system.

Prerequisite: ANT200Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT316H1 Ancient Cultures of Mesoamerica [24L]**

This course provides an introduction to the cultures of Mesoamerica, from the first arrival of indigenous peoples to the appearance of the Spaniards in the sixteenth century. Students will become acquainted with cultures including Olmec, Zapotec, Teotihuacan, Maya, and Aztec, while also considering issues of method and evidence.

Prerequisite: ANT200Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT317H1 Archaeology of Eastern North America [24L]**

This course examines the precontact and early contact period culture history of eastern North America, including Ontario, through archaeological evidence. Topics covered include the earliest peopling of the region at the end of the Ice Age, diversity of hunter-gatherer societies, introduction of agriculture, and the development of the dynamic First Nations societies who eventually met and interacted with Europeans.

Prerequisite: ANT200Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT318H1 The Preindustrial City and Urban Social Theory [24L]**

This course offers a comparative examination of the rise and organization of ancient cities through a detailed investigation of urban social theory. We will explore competing anthropological interpretations of urban process while probing the political, ideological, and economic structures of the worlds earliest cities. Students will have the opportunity to consider a broad range of subjects, including mechanisms of city genesis; urban-rural relations; the intersections of city and state; and historical variation in urban landscapes, ideologies, and political economies.

Prerequisite: ANT200Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT319Y1 Archaeology of North America (formerly ANT310Y1) [48L]**

This course examines human prehistory in North America, North of Mexico, from the time of earliest occupation to European contact. Special topics include Paleoindian and Archaic adaptations, the rise of complex hunter-gatherers, origins of farming and the evolution of complex chiefdoms.

Prerequisite: ANT200Y1

Exclusion: ANT309H1, ANT310Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT320H1 Ancient Cultures of the Andes [24L]**

This class offers intensive study of the archaeology and culture history of the Andean region prior to the Spanish conquest. The complexity and distinctiveness of Andean social organization, political institutions, religious ideologies, and economic practices have long fascinated anthropologists. Ultimately, the course will explore Andean cultures over a 10,000 year period, highlighting key debates, current research projects, and innovative theoretical approaches shaping contemporary archeological scholarship in South America and beyond.

Prerequisite: ANT100Y1 or ANT200Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT322H1 Anthropology of Youth Culture [24L]**

This course will present various perspectives on the nature and dynamics of youth culture. It will discuss the research accumulated over the past quarter century on youth lifestyles, from fashion and music to the formation and spread of slang. It will also look at the various critical and controversial aspects of adolescence in contemporary culture.

Prerequisite: ANT204H1 or ANT207H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT324H1 Tourism & Globalization (formerly ANT443H1) [24L]**

The course uses tourism as a lens to examine global connections. Particular focus will be on the politics of cultural encounters. Drawing examples from diverse ethnographic materials, the course explores how different visions of the world come into contact, negotiated and transformed, and how tourist encounters shape peoples everyday lives.

Prerequisite: ANT204H1 or ANT207H1

Exclusion: ANT443H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT327H1 "Diversity": Critical/Comparative Studies of Indigeneity, Multiculturalism and (Settler) Colonialism [24L]**

How do societies understand and manage their own diversity? This course unites critical studies of multiculturalism and settler colonialism to study Canada, Australia, New Zealand, and the U.S., also examining strategies in other sites for managing diversity which are framed differently (e.g. superdiversity (Europe), co-existence (Japan), multiracialism (Hawai'i), mestizozness (Mexico)).

Prerequisite: ANT204H1 or ANT253H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **JAL328H1 Writing Systems [24L]**

Introduction to writing systems; their historical development, their relationship to language, and their role in culture and society. (Given by the Departments of Anthropology and Linguistics) (Not offered every year)

Prerequisite: ANT100Y1/LIN101H1/LIN200H1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

# Anthropology

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## **ANT329H1 Language & Power Structure (formerly ANT329Y1) [24L/4T]**

The role of language and symbolism in the representation and manipulation of ideology and power structure. Case materials drawn from the study of verbal arts, gender, law, advertising, and politics with a focus on North America.

Prerequisite: ANT204H1 or ANT207H1 or ANT253H1 or VIC223Y1 or one of 200+ series H1 course in SOC or POL or LIN or Women's Studies

Exclusion: ANT329Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **ANT340H1 Anthropology of Latin America [24L]**

Provides a framework for understanding current anthropological issues in the different geo-political regions of Latin America. Special attention will be paid to historical/conceptual development of the discipline in the region, and the course will introduce a debate about the death and resurgence of area studies.

Prerequisite: ANT207H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT341H1 China in Transition (formerly ANT341Y1) [24L]**

This course offers a general introduction to transformations in modern and contemporary China from an anthropological perspective. This course covers major aspects of Chinese culture, history, and society in a global context.

Prerequisite: ANT207H1

Exclusion: ANT341Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT343H1 Social Anthropology of Gender (formerly ANT343Y1) [24L]**

Social anthropological perspectives on variations in gender roles and systems. Examines, through comparison of ethnography, the relationship of gender to social organization, economic and political processes, belief systems and social change.

Prerequisite: ANT207H1

Exclusion: ANT343Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT345H1 Global Health: Anthropological Perspectives [24L]**

This course examines medical anthropologists' contributions to, and critiques of, global health policies and programs. Topics covered include: colonialism and health, the political ecology of disease, indigenous constructions of illness and healing, medical pluralism, the politics of primary health care, population policies, reproductive health, and AIDS.

Prerequisite: ANT207H1 or permission of the instructor

Recommended Preparation: ANT348H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT346H1 Anthropology of Food [24L]**

Social anthropological perspective on the nature and meaning of food production, culinary cultures, industrial food, food as metaphor, and famine and hunger.

Prerequisite: ANT204H1 or ANT207H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT347Y1 Metropolis: Global Cities [48L]**

The role of culture, cultural diversity, space and performance in urban institutions and settings. The cultural context and consequence of urbanization.

Prerequisite: ANT207H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT348H1 Medical Anthropology: Social-Cultural Perspectives (formerly "Anthropology of Health") [24L/5T]**

This course provides an advanced introduction to medical anthropology as a sub-field of social-cultural anthropology. Students will learn about a range of approaches and concepts useful for analysing health and illness as social, cultural, political and historical phenomena: illness narratives and experience, subjectivities, medical pluralism, bio-power, and structural violence. Topics will include inequities in health, the relationship between medical anthropology and global health, medical humanitarianism, and the role of medical anthropologists in activism and advocacy.

Prerequisite: ANT204H1 or ANT207H1 or permission of the instructor

Exclusion: ANT348Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT349H1 Anthropology and New Technologies (formerly ANT442H1) [24L]**

This course explores the relationship between technology and culture through a focus on new media and technological infrastructures.

Anticipating a future of driverless cars and big data, we examine how social theorists, cultural critics and ethnographers have sought to understand the socio-cultural dimensions of earlier waves of rapid technological change.

Prerequisite: ANT207H1

Exclusion: ANT442H1

Distribution Requirement Status: Social Science

Breadth Requirement: Creative and Cultural Representations (1)

## **ANT351H1 Contested Environments [24L]**

This course utilizes a social movements perspective to examine the various kinds of conflicts emerging over environment, including disputes over food, animal rights, parks, wilderness, energy, and water. Building on the anthropological literature on landscape and political ecology, this course explores the various ways in which social movement constituencies are responding to and engaging with the uncertain and uneven nature of environmental change.

Prerequisite: ANT204H1 or ANT207H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **JAL353H1 Conversational Structures [36L]**

An introduction to the detailed observation of ordinary conversational interaction, and to some of the main ways in which such interaction is organized. The focus is on developing the capacity to discern orderliness in the details of everyday interaction, and beginning independent research in this area. (Given by the Departments of Anthropology and Linguistics)

Prerequisite: LIN101H1, LIN102H1/LIN200H1/ANT253H1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **JAL355H1 Language and Gender [24L]**

An introduction to some of the principal questions of feminist theory, as viewed from sociolinguistics. Topics include: socialization into gendered discourse patterns, cultural and ethnic differences in gendered interactions; the role of language and gender in legal, medical and labour settings; multilingualism, migration, imperialism and nationalism; sexuality, desire and queer linguistics, language, gender and globalization.

Prerequisite: One FCE at the 200-level in LIN/ANT/JAL/SOC/WGS Recommended

Preparation: ANT204H1/ANT253H1/SOC200H1/SOC214H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT356H1 Anthropology of Religion [24L]**

This course introduces anthropological definitions of religion; debates on rituals and rites of passage; rationality, religion and modernity; belief and body; religion and the media. It also engages with studies in the anthropology of popular and transnational religion, and the politics of religious movements.

Prerequisite: ANT207H1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **ANT358H1 Medical Anthropology and Social Justice [24L]**

It is widely acknowledged that sharp disparities in disease burden and access to medical care characterize global patterns in health. These disparities affect the life chances of much of the world's population, based on class position, gender, and geographical region.

Prerequisite: ANT204H1 or ANT207H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ARH360H1 Prehistory of the Near East (formerly ANT360Y1) [24L]**

From earliest times through the rise of complex hunter-gatherers, and the food producing revolution to politically complex societies in Southwest Asia.

Prerequisite: ANT200Y1 or NMC260H1 and NMC262H1

Exclusion: ARH360Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ARH361H1 Field Archaeology [TBA]**

Opportunity for students participating in non-degree credit archaeological digs to submit reports, field notes and term papers for degree credit. Not eligible for CR/NCR option.

Prerequisite: Permission of Undergraduate Co-ordinator and Supervisor

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **ANT364H1 Environment & Globalization (formerly ANT364Y1) [24L]**

This course will examine the relationships between humans and the environment in the context of contemporary efforts to develop within or in opposition to the political economy of neoliberal globalization. We will critically examine the discourses of progress and environment within a broader theoretical inquiry of structure/agency and power.

Prerequisite: ANT204H1 or ANT207H1

Exclusion: ANT364Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT366H1 Anthropology of Activism and Social Justice (formerly ANT366Y1) [24L]**

Explores how anthropologists have traditionally studied social movements and how new social movements have challenged anthropologists to rethink some of their ethnographic methods and approaches. Some specific movements covered include those related to indigenous rights, environmentalism, refugees, gay and lesbian issues, biotechnology, new religions, and globalization.

Prerequisite: ANT207H1

Exclusion: ANT366Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT368H1 Nature, Culture, Human [24L]**

What is "nature" and how does it relate to the way in which "culture" is conceptualized? How do race, class, gender, sexuality and ability structure our experiences of both nature and ourselves as human beings? This course explores these questions through engagements with a variety of texts.

Prerequisite: ANT204H1

Exclusion: ANT110H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT369H1 Anthropology in Action [24L]**

This course highlights the diverse ways that social/cultural anthropologists engage with the world beyond the university. Students learn about the many practical applications of anthropological methods and theory. As well, the ethical and political complexities of applied anthropology and activism in anthropology are considered.

Prerequisite: ANT204H1 or ANT207H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT370H1 Introduction to Social Anthropological Theory [24P]**

An in-depth critical review of foundational ideas in the development of the practice of Anthropology. Topics may include questioning fieldwork, origins and legacies of functionalism, cultural materialism, politics of culture, power and political economy, globalization and post modernism, gender and post-structuralism.

Prerequisite: ANT207H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT371H1 Human Nutritional Ecology (formerly ANT471H1) [24L]**

A detailed review of human dietary adaptations, subsistence strategies and the suite of cognitive, cultural and life history traits that make humans so adaptable. Focus is on the relevance of the past to understanding the modern world food system and finding solutions to contemporary problems in population, food, and health.

Prerequisite: ANT203Y1 or ANT207H1 or ANT208H1

Exclusion: ANT471H1

Distribution Requirement Status: Social Science or Science

Breadth Requirement: Society and its Institutions (3)

# Anthropology

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## **ANT372H1 Cultural Property [24L]**

This course explores the relationship between cultural property and everyday life through the themes of movement, ownership and value. Case studies, current events and debates help students understand how heritage is informed by the multiple values of cultural property. This course addresses issues of cultural property and heritage in the contemporary world that are relevant to all subfields of anthropology. Prerequisite: ANT100Y1 or ANT110H1 or ANT200Y1 or ANT204H1 or ANT207H1 or ANT253H1

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ANT374H1 Rethinking Development, or the Improvement of the World [36L]**

Development, or deliberate intervention to improve the lives of people deemed to be lacking, or left behind, has shaped the modern world for at least a century. Drawing on historical and ethnographic studies, this course examines the trajectory of development as a concept and practice, and traces its effects.

Prerequisite: ANT207H1 or permission of the instructor  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ANT376H1 Anthropology of Animals [24L]**

The relationship between humans and other animals is one of the most hotly debated topics of our times. Through key classic and contemporary writings, this course introduces students to the interdisciplinary field of animal studies, and explores how anthropologists and other theorists have critically engaged in debates about animal and human distinctions. Prerequisite: ANT204H1 or ANT207H1

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ANT378H1 Gift, Money, and Finance [24L]**

This course introduces dialogue between anthropological literature and other disciplinary studies in regards to the economy and culture of gift and money transaction as a key aspect of human society. Studying the history of gift and money economy from agricultural societies and diverse developments of finance market culture in recent era through various perspectives (e.g., ethnographic, sociological, politico-economic, and historical views), this course aims to train students developing a critical understanding of capitalism.

Prerequisite: ANT204H1 or ANT207H1  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ANT380H1 Craft of Social/Cultural Anthropology (formerly ANT210H1) [36S]**

This course introduces students to the skills they need to conduct ethnographic research, in particular, participant observation, in-depth interview, as well as writing fieldnotes and research proposals. The emphasis is on interactive, workshop-style small group learning.

Prerequisite: ANT207H1  
Exclusion: ANT210H1  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ANT384H1 Special Topics in Society, Culture and Language [24L]**

This lecture-format course focuses on a relatively broad topic in socio-cultural and/or linguistic anthropology. Topics change from year to year. For the 2015-16 academic year, the title of this course is "Nature, Culture, Human".

Prerequisite: ANT207H1  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ANT390H1 Special Topics in Anthropology [24L]**

This lecture-format course focuses on a relatively broad topic in anthropology. Topics change from year to year. See Anthropology website for more details.

Prerequisite: 9.0 FCEs. Further prerequisites vary from year to year, consult the department.  
Distribution Requirement Status: Social Science

## **JAH391H1 Topics in Anthropology and History [24S]**

Anthropological and Historical perspectives on topics that vary from year to year.  
Recommended Preparation: ANT204H1 or a course in European History  
Distribution Requirement Status: Humanities or Social Science  
Breadth Requirement: Society and its Institutions (3)

## **JAH391Y0 Topics in Anthropology and History [48S]**

Anthropological and Historical perspectives on topics that vary from year to year.  
Recommended Preparation: ANT207H1 or a course in European History  
Distribution Requirement Status: Humanities or Social Science  
Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

## **ANT395Y0 Special Topics in Anthropology [48S]**

Studies in anthropology taken abroad. Areas of concentration vary depending on the instructor and year offered.  
Recommended Preparation: ANT100Y1 or ANT200Y1 or ANT203Y1 or ANT204H1 or ANT207H1  
Distribution Requirement Status: Social Science  
Breadth Requirement: None

## **ANT396Y0 Special Topics in Anthropology [48S]**

Studies in anthropology taken abroad. Areas of concentration vary depending on the instructor and year offered.  
Recommended Preparation: ANT100Y1 or ANT200Y1 or ANT203Y1 or ANT204H1 or ANT207H1  
Distribution Requirement Status: Social Science  
Breadth Requirement: None

## **ANT398H0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.  
Distribution Requirement Status: Social Science  
Breadth Requirement: None

## **ANT399Y0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.  
Distribution Requirement Status: Social Science  
Breadth Requirement: None

## **JAL401H1 Field Linguistics [48P]**

Practice in language analysis based on elicited data from a native speaker of a foreign language, emphasizing procedures and techniques. (Given by the Departments of Anthropology and Linguistics)

Prerequisite: Completion of LIN322H1 and LIN331H1 or permission of the instructor

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **ANT406H1 Lithic Analysis [24L/12P]**

Core reduction strategies, replication, experimental archaeology, use-wear, design approaches, ground stone, inferring behaviour from lithic artifacts.

Prerequisite: ANT200Y1 and ARH312Y1 and ARH305H1

Distribution Requirement Status: Social Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **ANT407H1 Inka and Aztec States [24L]**

This course provides a comparative study of the emergence, organization, and transformation of the two historically-documented states of the native Americas: the Inka and the Aztec. Students will have the opportunity to analyze ethnohistorical and archaeological data in order to critically evaluate models of the pre-industrial state while gauging the anthropological significance of either convergence or particularity in the historical development of centralized political formations.

Prerequisite: ANT200Y1 and ARH305H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT409H1 Landscape Archaeology [24L/12P]**

Archaeological survey, spatial analysis of archaeological evidence over landscapes and territories, and ways archaeologists attempt to interpret landscapes, regional settlement systems, agricultural land use, regional exchange and communication, and past people's perceptions of or ideas about landscape.

Prerequisite: ARH305H1

Recommended Preparation: GGR270H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT410H1 Hunter-Gatherers Past & Present [24S]**

Examines the diversity of recent hunter-gatherer societies, as a source of analogues for understanding the archaeological record of past foraging peoples.

Prerequisite: ARH305H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT411H1 Advanced Archaeological Theory [24S]**

Seminar in the critical examination of major schools of archaeological thought.

Prerequisite: ARH305H1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **ANT412H1 Historical Archaeology [16L/8P]**

Introduces the problems, methods and some of the material culture of colonial and industrial archaeology with emphasis on Canada and colonial America. Covers the use of documentary evidence, maps, architecture, and a variety of artifact classes.

Prerequisite: ANT200Y1 or HIS374H1 or HIS384H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT415Y1 Laboratory in Faunal Archaeo-Osteology [48P/48S]**

Examination and interpretation of faunal material from archaeological sites as evidence for culture.

Prerequisite: ARH312Y1

Distribution Requirement Status: Social Science or Science

Breadth Requirement: Living Things and Their Environment (4) + The Physical and Mathematical Universes (5)

## **ANT416H1 Archaeology of Ritual and Identity [24L]**

This course offers a comparative survey of archaeological approaches to ritual practice as it relates to identity politics, personhood, and the negotiation of power relations in past societies. An important goal of the seminar is to introduce students to social theories on the inherent materiality of ritual performance, whether orchestrated in everyday practice or in elaborate religious and political spectacles.

Prerequisite: Completion of a minimum of 12.0 FCEs

Recommended Preparation: ANT200Y1, ARH305H1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **ANT419H1 Current Debates in Palaeolithic Archaeology [24S]**

Current research in Palaeolithic Archaeology reflecting emerging issues.

Prerequisite: ANT200Y1 or ANT203Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT420H1 Archaeology of Inequality [24L]**

How social complexity is manifested in the archaeological record. Origins and evolution of prehistoric complex societies, from small-scale chiefdoms to large-scale states.

Prerequisite: ANT200Y1 and ARH305H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT425H1 Language in Anthropological Thought (formerly ANT325H1) [24L]**

How ideas about language fit into the overall views of humankind as expressed by selected anthropologists, linguists, sociologists, and philosophers.

Prerequisite: ANT204H1 or ANT207H1 or ANT253H1 and 0.5 300+ level course from Group C

Exclusion: ANT425Y1; ANT325H1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **ANT426H1 Western Views of the Non-West [24S]**

The history and present of western concepts and images about the 'Other', in anthropological and other scholarship and in popular culture. The focus is on representations of Muslims and Jews.

Prerequisite: ANT370H1 or ANT329H1 or any 300-level course in NMC or in Jewish Studies

Distribution Requirement Status: Social Science

Breadth Requirement: Creative and Cultural Representations (1)

## **ANT427H1 Language, Ideology, & Political Economy [24S]**

Theoretical and empirical studies on the role of language in the reproduction and transformation of ideology, hegemony and political economy. Topics may include language & colonialism, imperialism, globalization, nationalism, racism, sexism, bureaucratic interactions, environmentalism, migration, gentrification. Compares and contrasts critical discourse analytic and linguistic anthropological approaches to method and politics.

Prerequisite: ANT253H1

Recommended Preparation: ANT329H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT435H1 Anthropology of Childhood and Childcare [24L]**

A detailed review of the classic and recently emerging literature on the anthropology of children, childhood, and childcare. Focus is on theories for evolution of human parenting adaptations, challenges in research methodology and implications for contemporary research, practice and policy in the area of care and nutrition of infants and children.

Prerequisite: ANT203Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Living Things and Their Environment (4)

## **ANT440H1 Society in Transition [36S]**

Modernity, globalization, and neoliberalism have emerged as three distinct, yet connected, concepts in anthropological studies of social, cultural, political and economic changes around the world. This course critically examines the various meanings of these three concepts, and tests their usefulness as analytical tools to think productively about societies in transition in specific historical and ethnographic contexts. Topical focus varies by year, and may include the changing character of work and welfare, property and markets, country and city, media and mobilization, and others. Check the course outline for details.

Prerequisite: ANT207H1 and ANT370H1 or permission of the instructor

Exclusion: ANT440Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT441H1 Love, Sex, and Marriage [24S]**

Beginning with anthropology's early work on kinship, and ending with recent analyses of sex work and the globalization of ideologies of romantic love and companionate marriage, this course will investigate how emotional and sexual relationships are produced, used, conceptualized, and experienced both within particular societies and transnationally.

Prerequisite: ANT207H1 and ANT343H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT445H1 Science as Culture and Practice [24S]**

This course examines science and technology from an anthropological perspective. Throughout the course, in addition to introducing major concepts of science studies, we will examine multiple concrete things, like computers as cultural artifacts, connected to wider social, political, economic, ideological, and cultural contexts.

Prerequisite: ANT207H1

Recommended Preparation: one science course

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT447H1 Ethnographic Practicum: Metropolis [24S]**

Drawing on a wide range of urban ethnography, we investigate how theories of contemporary urban transformation can be used to develop insights into the myriad social and cultural changes now underway in the city of Toronto. Students will design and conduct a field research project in a Toronto neighbourhood.

Prerequisite: ANT207H1 and ANT347Y1

Recommended Preparation: ANT380H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT449H1 Ethnographic Practicum: Infrastructures [24S]**

From sewer systems to social media, infrastructures help to structure social relations and cultural experience. This course examines ethnographic approaches to the study of infrastructures. Course topics range from year to year, and could include how the landscape of new media infrastructures is changing our lives, the way water is channelled in Toronto, or debates about how to accommodate public transportation, cars, cyclists and pedestrians on city streets around the world. Students will design and conduct a field research project.

Prerequisite: ANT207H1 and ANT349H1

Recommended Preparation: ANT380H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT450H1 Nature, Culture and the City [24S]**

As of 2007, for the first time in human history, more than half the world's peoples lived in cities. It is estimated that by 2030 over 60% will be urban-dwellers. This demographic shift suggests that for many (if not most) people, their primary encounter with "nature" will be urban based. This course explores the idea of "urban-nature" by 1) focusing on the ways in which various theorists have challenged traditional ways of viewing both "the city" and "nature" and 2) encouraging students to develop their own critical perspectives through ethnographic engagements with the city of Toronto.

Prerequisite: ANT204H1 or ANT207H1 and a 300-level course or above in Society, Culture and Language

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT451H1 History of Anthropological Thought: The Search for Human Universals [24S]**

This course concentrates on original late 19th Century to mid-20th Century works by Lewis Henry Morgan, Emile Durkheim, Arnold van Gennep, Marcel Mauss, Claude Lévi-Strauss and others who tried to establish universal principles of social and cultural life as classificatory kinship, sacred and profane, rites of passage, reciprocity, and structuralism.

Prerequisite: ANT207H1 and at least one full course equivalent in Society, Culture and Language

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT452H1 Anthropology & Human Rights [24S]**

The concept of human rights in its universal claims rises fundamental questions for anthropology as it challenges a central value of the discipline: cultural relativism. Students are asked to consider epistemological and theoretical questions and case studies (e.g. claims of rights by ethnic collectivities).

Prerequisite: ANT204H1 or ANT207H1 or PCJ260Y1 or PCJ360H1, and one 300 level course in Society, Culture and Language

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT456H1 Queer Ethnography [24L]**

This course explores, first, how and where forms of desire and sexual practice have become sites of anthropological inquiry and exemplars of particular cultural logics. Tracing, then, the transnational turn in the anthropology of sexuality, the course engages important debates about culture, locality, and globalization. By focusing on the transnational movement of desires, practices, and pleasures through activism, mass media, and tourism, the course asks how sex is global and how globalization is thoroughly sexed. Course material will stress, but not be limited to, forms of same-sex or otherwise queer sexualities.

Prerequisite: ANT207H1 and any 300-level course in Society, Culture and Language

Exclusion: ANT343H1/ANT343Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT457H1 Anthropology of Material Culture [24L]**

The course addresses the cultural and social significance of material culture in specific cultural settings, and the role that artifacts have played in the history of anthropological thought from early typological displays to the most recent developments of material culture studies.

Prerequisite: ANT200Y1 or ANT207H1 and a minimum of 12 FCEs

Distribution Requirement Status: Social Science

Breadth Requirement: Creative and Cultural Representations (1)

## **ANT458H1 Settler-Colonialism and Indigenous Health in Canada [24S]**

This course draws on anthropological and historical literatures to explore the relationship between the health of Indigenous people and Canadian settler-colonialism. In conceptualising this relationship, we focus on critical analysis of the role of biomedical health-care systems in settler-colonial governmentality, and how history is understood in discourses on Indigenous health.

Prerequisite: ANT345H1 or ANT348H1 or ANT358H1, or ANT460H1 or ABS350H1 or JFP450H1 or PHM450H1 or permission of the instructor

Recommended Preparation: It is recommended that students have completed 300-level undergraduate courses in both medical anthropology, and anthropology of Indigenous issues or Indigenous health

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT460H1 Global Perspectives on Womens Health [24S]**

This fourth-year seminar examines how female gender shapes health and illness. Using case studies of sexual health, fertility and its management, substance use/abuse, mental health, and occupational/labor health risks, the course investigates the material, political, and socio-cultural factors that can put women at risk for a range of illness conditions.

Prerequisite: ANT343H1 or ANT348H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT462H1 Anthropology of Affect [24S]**

This course examines how anthropologists have studied the way that people hope, imagine, love, and despise. Ethnography of the intimate realms of affect raises important questions about knowledge production and methodology as well as offering insight into how people come to act upon the world and what the human consequences of such action are. The course will also examine how the intimate is socially produced and harnessed in the service of politics and culture. Topics will include grief and its lack; dreams and activism; love and social change; memory and imperialism; sexuality and care; and violence and hope.

Prerequisite: ANT207H1 and any 300-level course in Society, Culture and Language

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **ANT468H1 Ethnography of the Papua New Guinea Highlands [24S]**

Since "first contact" in the mid-20th Century, Highlands ethnographies have played a central role in debates about kinship, systems of exchange and relations between the sexes in small scale societies. The course examines traditional warfare, sorcery, rites of passage, myths and ideologies of conception and "the person."

Prerequisite: ANT207H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT472H1 Japan in Global Context: Anthropological Perspectives (formerly ANT354Y1 and ANT354H1) [24L]**

This course examines how what we know as Japan and its culture has been constructed through global interactions. Topics include gender and sexuality, race and ethnicity, social and family life, work and leisure, and Japanese identity amid changing global power relations.

Prerequisite: ANT204H1 or ANT207H1

Exclusion: ANT354Y1; ANT354H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT473H1 Ethnographic Practicum: The University [36S]**

Students carry out original ethnographic research projects on some aspect of life in the University of Toronto: its students, staff and faculty; its hierarchies and habits; and the everyday practices in classrooms, labs, dining halls, offices, clubs, and residence corridors. Class time is used for collective brainstorming, feedback and analysis.

Prerequisite: ANT380H1 or permission of the instructor

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT474H1 Ethnographies of HIV/AIDS: Risk, Vulnerability, and Care [24S]**

This course examines HIV/AIDS globally and ethnographically focusing on how gendered political economies create HIV vulnerability; the experiences of sexual minorities; how religious institutions shape practices of social care and exclusion; and anthropological critiques of HIV awareness campaigns and counseling as sites of governmentality.

Prerequisite: ANT207H1 and ANT348H1 or ANT345H1 or ANT358H1 or ANT343H1

Recommended Preparation: ANT343H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT475H1 Reading Ethnography [24P]**

Students read several full-length ethnographies, both classical and contemporary, and debate what makes for sound ethnographic research and writing, as well as what ethnography is and "should" be as a genre of writing and representation.

Prerequisite: ANT207H1 and ANT370H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

# Anthropology

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## **ANT476H1 Body, Self and Sociality [36S]**

This seminar class examines 'the body' as a historically and culturally contingent category, the material site and means of practice, and a foundation point for identity and self-fashioning. We consider the relevance of cultural meanings to biomedical practices, the centrality of the body to consumer techno-society, and the body's role as a locus of experience, political inscription, and struggle.

Prerequisite: ANT370H1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **ANT477H1 Transnational Korea in and outside the Peninsula (formerly ANT377H1) [24S]**

This course addresses reading ethnography as a tool to understand compressed and complex modernity such as Korean societies, both in and outside of the Korean peninsula. In particular, this course aims to develop students' critical thinking on class, ethnicity, gender, family, and migration in Korea and diasporic societies of Koreans in Canada, China, Japan, and US.

Prerequisite: ANT207H1 and at least one 300+ course in social sciences and humanities

Exclusion: ANT377H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT480H1 Special Topics in Anthropological Research [24S]**

Unique opportunity to explore a particular anthropological topic in-depth. Topics vary from year to year.

Prerequisite: Any 200 level Anthropology course and 1.0 FCE at the 300+ level

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **ARH482H1 Special Topics in Archaeology [24S]**

Unique opportunity to explore a particular archaeological topic in-depth. Topics vary from year to year.

Prerequisite: ARH305H1

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **ANT483H1 Special Topics in Linguistic Anthropology [24S]**

This course will focus on an advanced topic in Linguistic Anthropology. Topic will vary from year- to-year.

Prerequisite: ANT253H1 and 1.0 FCE 300 level Group C (Society, Culture and Language) course

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **ANT484H1 Special Topics in Social Cultural Anthropology [24S]**

Unique opportunity to explore a particular Social Cultural Anthropology topic in-depth. Topics vary from year to year.

Prerequisite: ANT207H1 and 1 FCE 300 level Group C (Society, Culture and Language) course

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT485H1 Topics in Emerging Scholarship (Society, Culture and Language) [24S]**

Taught by an advanced PhD student or postdoctoral fellow, and based on his or her doctoral research and area of expertise, this course presents a unique opportunity to explore intensively a particular Socio-cultural or Linguistic Anthropology topic in-depth. Topics vary from year to year.

Prerequisite: ANT207H1 and 1 FCE 300+ Group C (Society, Culture and Language) course

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT486H1 Special Topics: Socio-Cultural Research Seminar [24S]**

Unique opportunity to explore a particular Social Cultural Anthropology topic in-depth. Topics vary from year to year.

Prerequisite: ANT207H1 and 1 FCE 300+ Group C (Society, Culture and Language) course

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT490Y1 Field Course in Social and Cultural Anthropology [24L/52P]**

An instructor-supervised experiential study project in social and cultural anthropology. Course takes place in an off-campus setting. Not eligible for CR/NCR option.

Prerequisite: ANT204H1 or ANT207H1 and two additional Society, Culture and Language courses

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT491H1 Internship in Anthropology [24P]**

This course is an opportunity to apply acquired knowledge in anthropology or archeology in a work placement environment. Opportunities may include local community organizations, international development organizations, museum or heritage projects, or media production projects. Only internships that require knowledge and skills in anthropology and/or archeology will be considered. Student must fulfill responsibilities of the internship as well as complete a final research paper. If qualified, the student's internship supervisor will mark the final paper for the course; if not, an appropriate academic supervisor will be assigned from within the Dept. of Anthropology. Not eligible for CR/NCR option.

Prerequisite: Fourth year; major or specialist in a program in Anthropology; 3.0 FCEs in Anthropology

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ANT491Y1 Internship in Anthropology [48P]**

This course is an opportunity to apply acquired knowledge in anthropology or archeology in a work placement environment. Opportunities may include local community organizations, international development organizations, museum or heritage projects, or media production projects. Only internships that require knowledge and skills in anthropology and/or archeology will be considered. Student must fulfill responsibilities of the internship as well as complete a final research paper. If qualified, the student's internship supervisor will mark the final paper for the course; if not, an appropriate academic supervisor will be assigned from within the Dept. of Anthropology. Not eligible for CR/NCR option.

Prerequisite: Fourth year; major or specialist in a program in Anthropology; 3.0 FCEs in Anthropology

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)



## **ARH494H1 Topics in Emerging Scholarship (Archaeology) [24S]**

Taught by an advanced PhD student or postdoctoral fellow, and based on his or her doctoral research and area of expertise, this course presents a unique opportunity to explore intensively a particular Archaeology topic in-depth. Topics vary from year to year.

Prerequisite: ARH305H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ARH495H1 Archaeology Research Practicum**

Laboratory or practical research on an archaeological project that emphasizes methods and research design in archaeology. Students must obtain the consent of a Supervisor before enrolling. Students are required to give an oral presentation of research results to an open meeting of the Archaeology Centre at the conclusion of the course.

Application must be made to the Anthropology Department. Not eligible for CR/NCR option.

Prerequisite: A minimum of 14 credits, permission of Supervisor and Undergraduate Coordinator.

Exclusion: ANT497Y1

Recommended Preparation: ARH305H1, ARH312Y1

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **ANT497Y1 Independent Research [TBA]**

Supervised independent research on a topic agreed on by the student and supervisor before enrolment in the course. Open in exceptional circumstances to advanced students with a strong background in Anthropology. Course Supervisor must be a member of the Anthropology faculty. Application for enrolment should be made to the Department in the preceding term. A maximum of one year of Independent Research courses is allowed per program. Not eligible for CR/NCR option.

Prerequisite: A minimum of 10 credits, permission of Supervisor and Undergraduate Coordinator.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **ANT498H1 Independent Research [TBA]**

Supervised independent research on a topic agreed on by the student and supervisor before enrolment in the course. Open in exceptional circumstances to advanced students with a strong background in Anthropology. Course Supervisor must be a member of the Anthropology faculty. Application for enrolment should be made to the Department in the preceding term. A maximum of one year of Independent Research courses is allowed per program. Not eligible for CR/NCR option.

Prerequisite: A minimum of 10 credits, permission of Supervisor and Undergraduate Coordinator.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **ANT499H1 Independent Research [TBA]**

Supervised independent research on a topic agreed on by the student and supervisor before enrolment in the course. Open in exceptional circumstances to advanced students with a strong background in Anthropology. Course Supervisor must be a member of the Anthropology faculty. Application for enrolment should be made to the Department in the preceding term. A maximum of one year of Independent Research courses is allowed per program. Not eligible for CR/NCR option.

Prerequisite: A minimum of 10 credits, permission of Supervisor and Undergraduate Coordinator.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## Anthropology Science Courses

### **ANT203Y1 The Nature of Humans [48L/24P]**

This course examines where humans fit in the fabric of the natural world. It explores the history of ideas about humans in nature, humans as primates, the story of human evolution and modern human physical and genetic diversity.

Recommended Preparation: ANT100Y1/BIO120H1, BIO220H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### **ANT208H1**

See description in Social Science courses above.

### **ANT330Y1 Paleoanthropology Field School (Offered on an irregular basis) [24L/78P]**

This course provides background in the practical and theoretical aspects of fieldwork in Paleoanthropology. Students are trained in the treatment and analysis of fossil vertebrates, plant macro- and micro-fossils and sediments. Excursions to paleoanthropological localities of *Homo erectus* and *Homo sapiens*, and excavation at a hominoid site. (Joint undergraduate-graduate) Not eligible for CR/NCR option.

Prerequisite: ANT203Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### **ANT333Y1 Living Primate Adaptations [48L/24P]**

A survey of living primates, this lab-oriented course describes and compares the diverse behavioural and anatomical adaptations that are characteristic to this order of mammals. The understanding of the biological diversity and evolutionary history of primates is important for further understanding of human adaptation and evolution.

Prerequisite: ANT203Y1

Exclusion: ANT333H1

Recommended Preparation: ANT334H1; BIO120H1, BIO220H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### **ANT334H1 Human Skeletal Biology (formerly ANT334Y1) [24L/24P]**

Exploration of the development and maintenance of the human skeleton and dentition, with emphasis on application to archaeological, forensic and biomedical sciences.

Prerequisite: ANT203Y1

Exclusion: ANT334Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### **ANT335Y1 Human Evolution [24L/36P]**

This course takes the student on a survey of human evolution from our ape ancestors to modern humans. Students will learn to identify skulls, teeth and limb bones, explore hundreds of casts, and learn how researchers understand human origins and trends in the development of human anatomy and behavior.

Prerequisite: ANT203Y1

Exclusion: ANT429H1, ANT332H5, ANT333H5, ANT434H5, ANTC17H3

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

# Anthropology

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## **ANT336H1 Evolutionary Anthropology Theory [24L]**

This course will explore the foundational and leading concepts in evolutionary anthropology. Historically important readings and current concepts will be presented and discussed in the context of research, especially in areas of human population biology, ecology and the evolution of *Homo sapiens*. Topics will include behavioral ecology and life history theory, as well as a critique of the adaptationist program.

Prerequisite: ANT203Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **ANT338H1 Molecular Anthropology and Human Evolution [24L/12P]**

Molecular anthropology is an interdisciplinary field combining biology, genetics, evolution and anthropology. In this class, we will explore the use of DNA for the study of past migrations and admixture patterns, the evolution of pathogens, plant and animal domestication and especially the relationships between recent and archaic humans.

Prerequisite: ANT203Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **ANT371H1**

See above (in social science section) for course description.

## **ANT415Y1**

See above in Social Science section.

## **ANT430H1 Primate Conservation Biology [24L]**

The focus of this course is on the science of primate conservation biology in an anthropological context. Topics will include primate biodiversity and biogeography, human impacts, and conservation strategies/policies. The effects of cultural and political considerations on primate conservation will also be discussed.

Prerequisite: ANT203Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **ANT432H1 The Evolving Human Skull [12L/24P]**

The comparative and functional anatomy of the human skull from an evolutionary perspective. Foci include cranial anatomy, the face, mastication, diet, brains and cognition. Includes an extensive lab component using a large collection of primate skeletons and fossil human casts.

Prerequisite: ANT335Y1

Exclusion: ANT326Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **ANT434H1 Health, Diet & Disease in the Past [24L/12P]**

Advanced exploration of the life histories of past populations, through the application of palaeodietary analyses, palaeopathology and other appropriate research methods.

Prerequisite: ANT334H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **ANT435H1**

See above (in social science section) for course description.

## **HAI453H1 AIDS: A Global Perspective [6L/18S]**

Seminars explore the global AIDS crisis, adopting the medical-anthropological perspective of Paul Farmer's *Infections and Inequalities*. Varying epidemiological profiles of AIDS are placed in broader social, cultural, and political-economic frameworks. The impact of globalization and structural inequality on local cultures and lifestyles provides an essential backdrop to the discussions.

Prerequisite: 14 FCE complete, AND either (HMB300H1/ HMB301H1/ HMB302H1/ HMB303H1/ HMB323H1) OR (ANT203Y1/ANT208H1, 0.5 FCE from a ANT300+ level course from Group B- Evolutionary)

Distribution Requirement Status: Social Science or Science

Breadth Requirement: Society and its Institutions (3)

## **ANT436H1 Primate Ecology & Social Behavior [24L]**

This course will provide an overview of the ecology and social behavior of extant nonhuman primates. Topics will include socioecology, conservation biology, biogeography, aggression and affiliation, community ecology, communication, and socio-sexual behavior. There will also be extensive discussions of methods used in collecting data on primates in the field.

Prerequisite: ANT203Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **ANT438H1 Topics in Emerging Scholarship (Biological Anthropology) [24S]**

Taught by an advanced PhD student or postdoctoral fellow, and based on his or her doctoral research and area of expertise, this course presents a unique opportunity to explore intensively a particular Biological Anthropology topic in-depth. Topics vary from year to year.

Prerequisite: ANT203Y1 and 0.5 FCE 300+ Group B (Evolutionary) course

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **ANT481H1 Special Topics in Biological Anthropology [24S]**

Unique opportunity to explore in-depth a particular topic in Biological Anthropology. Topics vary from year to year.

Prerequisite: ANT203Y1 and 0.5 FCE 300+ Group B (Evolutionary) course

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## Introduction

The Archaeology Program focuses on the study of past human societies primarily through their material remains, or “material culture.” Archaeologists explore the nature of and changes in past cultures around the world through survey, excavation and analyses of stone tools, pottery, bones, plant remains, architecture and other cultural residues. Some of the major research foci of archaeologists are the behaviour and adaptations of early hominins, diversity of hunter-gatherer societies, origins of agriculture, pastoralism, urbanism and politically complex states, the workings of ancient exchange systems, and the development of class-based and gender-based political and economic inequalities in complex societies. Working archaeologists often specialize geographically, chronologically or thematically. Classical archaeologists, for example, specialize in the cultures of the ancient Greco-Roman world, while palaeoethnobotanists explore ways that botanical residues of ancient and prehistoric cultures can inform us about their economies and social systems. The specialist, major and minor programs allow students to explore archaeology in an interdisciplinary setting.

Students in the specialist or major program should consult the program coordinator or faculty members in their intended areas of specialization for advice on the selection of courses. Those intending to go on to graduate studies in departments such as Classics, East Asian Studies, Fine Art History or Near and Middle Eastern Civilizations should pay particular attention to language requirements at the graduate level.

The Archaeology Specialist (Arts program) is designed for students who would like to concentrate in archaeology while drawing on the teaching resources of diverse departments. See details below. Students interested in pursuing graduate studies should combine it with study of the ancient and modern languages relevant to their primary area of interest.

The Archaeology Major (Arts program) is designed for students who would like to pursue their interests in archaeology in conjunction with a Major in another field, such as Art, Classics, Earth Science, History, or Near and Middle Eastern Civilizations. See details below.

The Archaeology Minor (Arts program) allows students to sample archaeology while pursuing their main interest in another discipline. See details below.

For all these programs, students are encouraged to seek counselling and information from the Anthropology Undergraduate Administrator/Student Counsellor, Anthropology (416-978-6414).

Careers in archaeology usually require graduate training, although some aspects of archaeology in the public sector can be pursued with an undergraduate degree. Students completing our program have also successfully pursued careers in teaching, tourism, and cultural resource management.

## Archaeology Programs

1. Enrolment in the Specialist, Major and Minor Programs is limited. Students must obtain at least the specified mark(s) in the required course(s) as listed in the program requirements to be eligible to enrol.
2. Only ONE Archaeology Program may be selected.

### Archaeology Specialist (Arts Program)

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol.

Courses for admission: ANT200Y1 with a final mark of at least 70%.

(11 full courses or their equivalent, including at least 4 FCE at the 300+ level and 1 FCE at the 400 level)

First Year:

1. ANT200Y1
2. Statistical Requirement: GGR270H1 (Geography pre- or co-requisites waived for Archaeology and Anthropology students); or 0.5 FCE from STA220H1, STA221H1, STA247H1, STA248H1, STA255H1, STA257H1, STA261H1, or ANTC35H3 (at UTSC)
3. ANT100Y1 or CLA160H1. If CLA160H1 is taken, students must take an additional 0.5 FCE from the following: CLA230H1, CLA231H1, CLA232H1, CLA233H1; FAH206H1, FAH207H1; GGR100H1, GGR101H1; NMC260H1, NMC262H1

Upper Years:

4. ARH305H1, ARH309H1, ARH312Y1, ANT411H1
5. Field Requirement: ANT311Y1 or ARH306Y1 or NMC261Y0 or ARH361Y1 or ARH361H1 or ANT418H5 (at UTM). If ARH361H1 or ANT418H5 is taken, students must take an additional 0.5 FCE from ANT.
6. 5.0 FCE from Groups A and B, of which 2.0 FCE must be from Group A and 2.0 FCE must be from Group B and 1.0 FCE from either group

Note that students may substitute ARH495H1 (Research Practicum) for 0.5 FCE of this requirement (assignment to Group A or B to be determined by Undergraduate Coordinator).

### Archaeology Major (Arts Program)

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol.

Courses for admission: ANT100Y1 with a final mark of at least 67% or ANT200Y1 with a final mark of at least 70%.

(7 full courses or their equivalent, including at least 2 FCE at the 300+ level and 0.5 FCE at the 400-level)

First Year:

1. ANT200Y1
2. ANT100Y1 or CLA160H1. If CLA160H1 is taken, students must take an additional 0.5 FCE from the following: CLA230H1, CLA231H1, CLA232H1, CLA233H1; FAH206H1, FAH207H1; GGR100H1, GGR101H1; NMC260H1, NMC262H1

Upper Years:

3. ARH305H1 and ARH309H1
4. 1 FCE from: ARH306Y1, ARH312Y1, ARH361Y1, ARH361H1, ANT311Y1, NMC261Y0, NMC369Y1, NMC465H1, NMC466H1
5. 2.5 FCE from: Group A
6. 0.5 FCE from: Group B

# Archaeology

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## Archaeology Minor (Arts Program)

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol.

Courses for admission: ANT200Y1 with a final mark of at least 70%.

(4 full course equivalents, including at least 1 FCE at the 300- or 400-levels)

1. ANT200Y1
2. ARH305H1 and ARH309H1
3. 1.5 FCE from Group A
4. 0.5 FCE from Group B

If ARH312Y is completed, it will be considered a Group A course.

## Archaeology Groups

### Group A: Theoretical and Methods

1. Theoretical: ANT370H1, ANT372H1, ANT409H1, ANT410H1, ANT411H1, ANT416H1, ANT420H1; HIS425H1; VIC225Y1
2. Archaeometry: CHM317H1, CHM414H1, CHM416H1; GGR337H1; JGA305H1; NMC369Y1
3. Ceramic and Lithic Analysis: ANT406H1; NMC369Y1, NMC462Y1, NMC465H1, NMC466H1, NMC469Y1
4. Geoarchaeology: ANT409H1; GGR272H1, GGR273H1, GGR301H1, GGR307H1, GGR337H1, GGR373H1, GGR390H1, GGR413H1; ESS330H1, ESS331H1; JGA305H1
5. Osteoarchaeology and Zooarchaeology: ANT334H1, ANT335Y1, ANT338H1, ANT415Y1, ANT432H1, ANT434H1; EEB318H1, EEB323H1, EEB324H1
6. Paleoethnobotany: EEB330H1, EEB340H1; GGR305H1, GGR390H1; JGE331H1
7. Urbanism and Settlement: ANT318H1

### Group B: Area Courses and Cultural History

1. Classical and Aegean Archaeology: CLA230H1, CLA231H1, CLA232H1, CLA233H1, CLA362H1, CLA363H1, CLA364H1, CLA366H1, CLA367H1, CLA368H1, CLA369H1, CLA371H1, CLA389H1, CLA392H1, CLA403H1; FAH206H1, FAH207H1, FAH303H1, FAH309H1, FAH401H1, FAH407H1, FAH486H1; HIS320H1
2. Egyptian Archaeology: JAL328H1; NMC343H1, NMC344H1, NMC362Y1, NMC368H1, NMC382Y1, NMC461Y1, NMC467H1, NMC468H1
3. European and Celtic Archaeology: FAH318H1, FAH327H1, FAH328H1, FAH420H1, FAH421H1; HIS321H1, HIS323H1, HIS336H1, HIS357Y1, HIS362H1, HIS403H1, HIS412Y1, HIS424H1, HIS432H1; SMC344Y1, SMC337H1, SMC338H1
4. Historical Archaeology: ANT412H1, FAH376H1; GGR240H1, GGR241H1, GGR336H1, GGR421H1; HIS369H1, HIS374H1, HIS384H1
5. Islamic Archaeology: HIS303H1; NMC348Y1, NMC365Y1, NMC366Y1, NMC374H1, NMC376H1, NMC393H1, NMC394H1, NMC396Y1
6. Near Eastern Archaeology: JAL328H1; NMC346H1, NMC347H1, NMC360H1, NMC361H1, NMC363H1, NMC364H1, NMC370H1,

NMC461Y1, NMC466H1

7. North and South American Prehistory: ANT314H1, ANT315H1, ANT316H1, ANT317H1, ANT319Y1, ANT320H1, ANT407H1; HIS369H1

8. Old World Prehistory: ANT419H1; ARH360H1

9. East Asian Archaeology: EAS406Y1, EAS411H1, EAS412H1, EAS438H1

## Archaeology Courses

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### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### ARH305H1 Archaeological Interpretation [24L]

Transforming archaeological results into statements about people and their life ways. Covers basic archaeological theory, including research design, sampling, stratigraphy, seriation, formation and testing or evaluation of hypotheses, regional analyses. Introduces some of the major schools of archaeological theory, including New Archaeology and Post-Processual Archaeology.

Prerequisite: ANT200Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

### JGA305H1 Environmental and Archaeological Geophysics [24L/12P]

Application of near-surface geophysical methods to investigate environmental and archaeological sites; in particular magnetometry, resistivity, ground-probing radar, and seismic surveys. Course will cover background on the various methods, and allow students to run field surveys and present on case studies.

Prerequisite: ESS241H1 or ANT200Y1 or GGR201H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### ARH306Y1 Archaeological Field Methods [12L/61P]

Intensive instruction in archaeological field methods and acquisition of field skills, including archaeological search and survey, site mapping, laying out excavation grids, use of theodolites, total station, and GPS, stratigraphic excavation, stratigraphy, field recording, screening sediment, Ontario license and reporting requirements. Normally this course would take place on campus in the summer. This course has a mandatory Lab Materials Fee of \$25 to cover non-reusable materials. The fee will be included on the student's ACORN invoice.

Prerequisite: ANT200Y1 or (NMC260H1 and NMC262H1) or NMC261Y0

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **ARH309H1 Archaeology, Ethics, and the Public [24L]**

An analysis of ethics in contemporary archaeology that covers reburial and repatriation, interpretation of the archaeological record in the context of historically oppressed groups, ethnic minorities, and non-western societies, the ethics of collecting and managing cultural property, relationships with the media, the debates surrounding looting, and other issues.

Prerequisite: ANT200Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ARH312Y1 Archaeological Laboratory [28L/44P]**

Techniques for making archaeological data meaningful after excavation or survey. Archaeological measurements, compilation of data, database design, archaeological systematics, and sampling theory in the context of lithics, pottery, floral, faunal and other archaeological remains.

Prerequisite: ANT200Y1 and a half statistics course (e.g. GGR270H1\*, STA220H1, STA221H1, STA257H1, STA261H1, ANTC35H3\*\*). Note:

\*Geography Pre- or co-requisites waived for Anthropology and Archaeology students; \*\* to be taken at the Scarborough Campus

Distribution Requirement Status: Social Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **ARH360H1 Prehistory of the Near East (formerly ANT360Y1) [24L]**

From earliest times through the rise of complex hunter-gatherers, and the food producing revolution to politically complex societies in Southwest Asia.

Prerequisite: ANT200Y1 or NMC260H1 and NMC262H1

Exclusion: ARH360Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ARH361H1 Field Archaeology [TBA]**

Opportunity for students participating in non-degree credit archaeological digs to submit reports, field notes and term papers for degree credit. Not eligible for CR/NCR option.

Prerequisite: Permission of Undergraduate Co-ordinator and Supervisor

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **ARH361Y1 Field Archaeology [TBA]**

Opportunity for students participating in non-degree credit archaeological digs to submit reports, field notes and term papers for degree credit. Not eligible for CR/NCR option.

Prerequisite: Permission of Undergraduate Co-ordinator and Supervisor

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **ARH398H0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **ARH399Y0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **ARH482H1 Special Topics in Archaeology [24S]**

Unique opportunity to explore a particular archaeological topic in-depth. Topics vary from year to year.

Prerequisite: ARH305H1

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **ARH494H1 Topics in Emerging Scholarship (Archaeology) [24S]**

Taught by an advanced PhD student or postdoctoral fellow, and based on his or her doctoral research and area of expertise, this course presents a unique opportunity to explore intensively a particular Archaeology topic in-depth. Topics vary from year to year.

Prerequisite: ARH305H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ARH495H1 Archaeology Research Practicum**

Laboratory or practical research on an archaeological project that emphasizes methods and research design in archaeology. Students must obtain the consent of a Supervisor before enrolling. Students are required to give an oral presentation of research results to an open meeting of the Archaeology Centre at the conclusion of the course. Application must be made to the Anthropology Department. Not eligible for CR/NCR option.

Prerequisite: A minimum of 14 credits, permission of Supervisor and Undergraduate Coordinator.

Exclusion: ANT497Y1

Recommended Preparation: ARH305H1, ARH312Y1

Distribution Requirement Status: Social Science

Breadth Requirement: None

# Architecture and Visual Studies

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A Program of the Faculty of Arts & Science and the John H. Daniels Faculty of Architecture, Landscape, and Design

The Architectural Studies Major programs were transferred from the Faculty of Arts & Science to the John H. Daniels Faculty of Architecture, Landscape, and Design effective September 1, 2012. Students interested in pursuing the Major programs may apply for admission to the Daniels Faculty. For information regarding the Architectural Studies programs and courses, please visit the Daniels website: [www.daniels.utoronto.ca](http://www.daniels.utoronto.ca).

The Visual Studies Specialist and Major programs were transferred from the Faculty of Arts & Science to the John H. Daniels Faculty of Architecture, Landscape, and Design effective September 1, 2014. Students interested in pursuing the Visual Studies Specialist or Major program may apply for admission to the Daniels Faculty ([www.daniels.utoronto.ca](http://www.daniels.utoronto.ca)).

If you have any questions about the Architectural Studies or Visual Studies programs, please contact the Daniels Faculty Registrar's Office at [registrar@daniels.utoronto.ca](mailto:registrar@daniels.utoronto.ca).

The Visual Studies Minor is a Faculty of Arts & Science program. Requirements are listed below.

## Architecture and Visual Studies Programs

### Visual Studies Minor (Arts Program)

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be based on a student's mark(s) in the required course(s). The precise mark thresholds outlined below are an estimate of what will be required in the coming program admission cycle. Achieving those mark(s) does not necessarily guarantee admission to the program in any given year.

Required courses: completion of at least four full course equivalents including VIS120H1/JAV120H1 and VIS130H1/JAV130H1 and an average of at least a B in each of VIS120H1/JAV120H1 and VIS130H1/JAV130H1.

Program requirements

(No more than four Visual Studies full courses or their equivalent, including at least one full 300-level course or its equivalent.)

Note:

No more than 4 full courses may be taken in a Minor program

1. VIS120H1/JAV120H1 and VIS130H1/JAV130H1
2. Six half-courses in VIS
3. Note: VIS minors are not permitted to take VIS401 and VIS402, or any Independent VIS courses

### Visual Studies Programs

The Visual Studies Specialist and Major programs were transferred from the Faculty of Arts & Science to the John H. Daniels Faculty of Architecture, Landscape, and Design effective September 1, 2014. Students interested in pursuing the Visual Studies Specialist or Major program may apply for admission to the Daniels Faculty ([www.daniels.utoronto.ca](http://www.daniels.utoronto.ca)).

For Arts & Science students enrolled in the program before September 2014, please refer to the relevant Calendar below for program

information.

Enrolled in 2014: 2014-15 Calendar

Enrolled in 2013: 2013-14 Calendar

Enrolled in 2012: 2012-13 Calendar

Enrolled in 2011 or before: select the relevant archived Calendar on the home page of this Calendar

### Architecture Programs

The Architectural Studies Major programs were transferred from the Faculty of Arts & Science to the John H. Daniels Faculty of Architecture, Landscape, and Design effective September 1, 2012. Students interested in pursuing the Major programs may apply for admission to the Daniels Faculty. For information regarding the Architectural Studies programs and courses, please visit the Daniels website: [www.daniels.utoronto.ca](http://www.daniels.utoronto.ca).

For Arts & Science students enrolled in the program before September 2012, please refer to the relevant Calendar below for program information.

Enrolled in 2012: 2012-13 Calendar

Enrolled in 2011: 2011-12 Calendar

Enrolled in 2010 or before: select the relevant archived Calendar on the home page of this Calendar

### Architecture and Visual Studies Courses

Architecture and Visual Studies course descriptions can be found on the Daniels website at [www.daniels.utoronto.ca](http://www.daniels.utoronto.ca). Elective courses are available for Arts & Science students.

If you have any questions about the Architecture or Visual Studies courses please contact the Daniels Faculty Registrar's Office at [registrar@daniels.utoronto.ca](mailto:registrar@daniels.utoronto.ca).

## Faculty

### Professors Emeriti

C.T. Bolton, MSc, PhD  
C.M. Clement, BSc, MA, PhD  
M.J. Clement, MSc, PhD  
C.C. Dyer, MSc, PhD (University of Toronto Scarborough)  
J.D. Fernie, MSc, PhD, FRSC  
R.F. Garrison, BA, PhD  
P.P. Kronberg, MSc, PhD, DSc  
S.W. Mochnacki, MSc, PhD  
J.R. Percy, BSc, MA, PhD (University of Toronto Mississauga)  
S.M. Rucinski, MSc, PhD  
E. R. Seaquist, MA, PhD

### Professor and Chair

R.G. Carlberg, MSc, PhD, FRSC

### Associate Chair, Graduate Studies

M.H. van Kerkwijk, MA, PhD

### Associate Chair, Undergraduate Studies

D.-S. Moon, PhD

### University Professor

J.R. Bond, OC, MS, PhD, FRSC, FRS \*

### Professors

R. Abraham, BSc, DPhil  
P. Artymowicz, MSc, PhD (University of Toronto Scarborough) \*  
B. Gaensler, BSc DPhil, FAA (Director, Dunlap Institute)  
J.B. Lester, MS, PhD (University of Toronto Mississauga) \*  
P.G. Martin, MSc, PhD, FRSC \*  
N.W. Murray, BSc, PhD \*  
C.B. Netterfield, BSc, PhD \*  
A.C. Thompson, BSc, PhD \*  
H.K.C. Yee, BAsC, PhD, FRSC

### Associate Professors

C.D. Matzner, BA, MA, PhD  
U-L. Pen, MSc, PhD \*  
M. Reid, MSc, PhD \*  
S. Stanley, MA, PhD \*  
Y. Wu, PhD

### Assistant Professors

J. Bovy, MA, PhD  
R. Hlozek, BSc (Hon), MSc, DPhil \*  
J. P. Lowman, MSc, PhD (University of Toronto Scarborough)  
K. Menou, DEA, PhD (University of Toronto Scarborough)  
H. Neilson, BSc, PhD  
H. Pfeiffer, PhD \*  
H. Rein, BA, PhD  
S. Sivanandam, BSc (Hon), MSc, PhD \*  
K. Vanderlinde, BSc, PhD \*  
D. Valencia, BAsC, MA, PhD (University of Toronto Scarborough)

### Status Only Faculty

J. J. Dubinski, BSc, MSc, PhD (Associate Professor)  
R. Jayawardhana, BS, AM, PhD  
\* Cross-appointed

## Introduction

Astronomy explores the universe beyond the earth and attempts to understand the physical processes that describe its contents. Essentially all civilizations have developed astronomy to some degree, with records extending back to the Babylonians. The modern development of astronomy began with Galileo turning a telescope to the sky and the heliocentric model of the solar system. Astronomy and astrophysics have undergone a revolution in the past fifty years as telescopes ranging from the radio to the gamma ray have discovered the relict radiation from the Big Bang, stars and galaxies that were forming not long after, ultradense neutron stars and black holes, as well as planets around other stars. Astronomy as a discipline is a distinctive integration of many of the sciences. At the introductory level it is used to provide a non-technical overview of the scientific approach to questions and our current understanding. At the more advanced level a quantitative physical understanding of astrophysical systems is developed. A graduate in astronomy has a wide grounding in modern physical science which is important for a wide range of roles in society.

Several courses are offered to suit persons of diverse backgrounds and depths of interest. Two beginning courses (AST101H1, AST201H1) require no special knowledge of mathematics or other sciences and are best suited to students taking non-science programs. These courses develop an understanding of the universe in a qualitative way and in terms of natural laws familiar to us on Earth. AST121H1 is an introductory astronomy course for all science students, while AST210H1 is intended for science students who do not intend to pursue an astronomy program. AST251H1 is best suited to life science students.

The remaining courses are designed for physical sciences and astronomy program students. For all Astronomy & Astrophysics programs, the first astronomy courses normally start in the second year, as they require the mathematical and physical grounding provided in the first year. In third year, after further physics and mathematics, follow more advanced theoretical study as well as a lab course that includes the use of the campus telescopes. For the major program, this is complemented by electives in more advanced mathematics, physics or numerical methods, as well as an introduction to astrophysical research. For the Astronomy & Physics specialist program, intensive training in all aspects of physics is added, allowing supervised, forefront research in fourth year, and preparing for a career in (astro)physical research via graduate studies or otherwise.

The Department works closely with two related academic units, the Canadian Institute for Theoretical Astrophysics (CITA) and the Dunlap Institute for Astronomy and Astrophysics (DI). With a national mandate, CITA fosters research in theoretical aspects of the discipline, including the exploitation of high performance computers in house and in SciNet. Complementary to this, a focus of DI is on the design and development of astronomical instrumentation. Undergraduate students will find diverse research opportunities through the Department and these two cognate units.

Undergraduate Enquiries: [ungrad.sec@astro.utoronto.ca](mailto:ungrad.sec@astro.utoronto.ca) (416-946-5243)

Web site: <http://www.astro.utoronto.ca>

## Astronomy and Astrophysics Programs

# Astronomy and Astrophysics

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Astronomy & Astrophysics programs have unlimited enrolment and no specific admission requirements. All students who have completed at least 4.0 courses are eligible to enrol.

## Astronomy & Physics Specialist (Science program)

The Astronomy & Physics Specialist program combines rigorous training in the full spectrum of core physics subfields with their application in astronomy. Lecture courses are complemented by practical courses, and the program culminates in a supervised research project, where all the skills learned are used, and which is intended to be published.

(14 full courses or their equivalent, including at least 4 at the 300+ level, and at least 1 at the 400 level)

First Year:

MAT137Y1/MAT157Y1, MAT223H1/MAT240H1; PHY151H1, PHY152H1

Second Year:

AST221H1, AST222H1; MAT237Y1/MAT257Y1/MAT235Y1, MAT244H1/MAT267H1; PHY250H1, PHY252H1, PHY256H1 (MAT237Y1, MAT244H1 recommended)

Third Year:

1. APM346H1; AST320H1, AST325H1/AST326Y1; PHY224H1, PHY254H1, PHY354H1, PHY356H1
2. One of MAT224H1, MAT327H1, MAT334H1, MAT363H1, STA257H1

Fourth Year:

1. AST425Y1; PHY350H1, PHY450H1
2. One half course from PHY324H1, PHY357H1, PHY358H1, PHY385H1, PHY407H1, PHY408H1, PHY483H1, JPE395H1
3. One half course from AST430H1, PHY454H1, PHY456H1, PHY460H1, PHY483H1, PHY484H1, PHY495H1
4. HPS200H1/JPH441H1, or another course with a significant emphasis on Social and Ethical Responsibility approved by the Undergraduate Chair.

Notes:

1. Second-year students who wish to keep open the option of pursuing a physics specialist degree should consider taking PHY254H1 in 2nd year.
2. Third-year students are invited and fourth-year students are expected to attend the weekly departmental colloquia and G2000 talks.

## Astronomy & Astrophysics Major (Science program)

This program is appropriate for students interested in a more flexible and diverse undergraduate program. It may be tailored to be a natural counterpart to a second major in Mathematics, Physics or Computer Science; students should consult the undergraduate chairs of Astronomy & Astrophysics and the respective departments for advice on course selection.

(8 full courses or their equivalent, including at least 2 at the 300+ level, and at least 0.5 at the 400 level)

First Year:

(MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1; (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

Second Year:

1. AST221H1, AST222H1; MAT235Y1/MAT237Y1; PHY252H1
2. One of PHY224H1, PHY250H1, PHY254H1, PHY256H1

Third Year:

AST320H1, AST325H1/AST326Y1

Third or fourth year:

1. HPS200H1/JPH441H1, or another course with a significant emphasis on Social and Ethical Responsibility approved by the Undergraduate Chair.
2. At least one of: CSC336H1, CSC350H1, CSC351H1, CSC456H1; ECE385H1; PHY350H1, PHY354H1, PHY356H1, PHY357H1, PHY358H1, PHY385H1, PHY407H1/PHY408H1, PHY450H1, JPE395H1
3. Any other APM/AST/CTA/CSC/MAT/PHY/STA at the 300+ level to make up the total of 8 full-course equivalents.

Fourth Year:

AST424H1

Notes:

1. The Astronomy & Astrophysics Major program is not designed primarily for students intending to pursue graduate studies in Astronomy & Astrophysics. Such students should consider the Astronomy & Physics Specialist program, or consult the Undergraduate Chair about their course selections.
2. Students interested in pursuing a research project in fourth year (AST425Y1) should consult the undergraduate chair.
3. Third-year students are invited and fourth-year students are expected to attend the weekly departmental colloquia and G2000 talks.

## Astronomy & Astrophysics Minor (Science program)

A program designed for students looking to add breadth to a program in another, perhaps unrelated discipline.

(4 full courses or their equivalent)

1. AST221H1, AST222H1, AST320H1, AST325H1/AST326Y1
2. (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)
3. PHY252H1 and one of PHY224H1, PHY250H1, PHY254H1, PHY256H1

Notes:

1. PHY131H1, PHY132H1 and PHY151H1, PHY152H1 require (MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1 and PHY252H1 requires MAT235Y1/MAT237Y1/MAT257Y1.
2. Faculty of Applied Science & Engineering equivalents to the physics courses can be substituted. Please consult the Undergraduate Chair.

## Astronomy and Astrophysics Courses

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### First Year Seminars

The PMU199Y1 and PMU199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).



## **AST101H1 The Sun and Its Neighbours [24L/12T]**

Our place in the Universe. Phenomena we see in the sky. What we know about the Sun, the planets and comets, and the formation of the solar system – and how we know it. What makes planets suitable for life. Finding out about the nearest stars and their planets. This course is intended for students with no science or engineering background.

Exclusion: AST121H1, AST221H1. Also excluded are CIV100H1, CIV102H1, any 100- or higher-series CHM/PHY courses taken previously or concurrently (with the exception of PHY100H1, PHY202H1, PHY205H1, CHM101H1)

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **AST121H1 Origin and Evolution of the Universe [24L]**

The origin of the Universe and all that it contains, from the chemical elements, stars and galaxies, and life. The course is intended for students who are enrolling in science and engineering courses.

Prerequisite: SPH4U Physics; MCB4U Calculus

Exclusion: AST101H1, AST201H1, AST210H1. Also excluded are AST221H1, AST222H1 if taken previously or concurrently

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **AST201H1 Stars and Galaxies [24L/12T]**

What we know about the properties and life cycles of stars, of galaxies, and of the Universe itself – and how we know it. How astronomers develop methods for understanding phenomena that span such vast ranges in distance and time. This course is intended for students with no science or engineering background.

Exclusion: AST121H1, AST210H1, AST221H1, AST222H1. Also excluded are CIV100H1, CIV101H1, CIV102H1 and any 100- or higher-series CHM or PHY courses taken previously or concurrently (with the exception of PHY100H1, PHY202H1, PHY205H1, CHM101H1)

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **AST210H1 Great Moments in Astronomy [24L]**

From the Copernican Revolution to twentieth century astrophysics. Emphasis is placed on the process of discovery which has led to major advances in knowledge about the Universe. The course includes an outline of some of the most significant puzzles of our day and an examination of the potential for new revolutions in our knowledge. This course is best suited to science students.

Exclusion: AST101H1, AST121H1, AST201H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **AST221H1 Stars and Planets [36L]**

The (astro)physics of stars and planets, their observed variety, their structure, formation and evolution. Introduction to telescopes and instrumentation.

Prerequisite: PHY132H1/PHY152H1/PHY180H1

Exclusion: AST101H1/AST201H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **AST222H1 Galaxies and Cosmology [36L]**

The (astro)physics of stellar systems, galaxies, and the Universe, their structure, formation, and evolution.

Prerequisite: AST221H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **AST251H1 Life on Other Worlds [24L]**

Scholarly discussion of the probability that there are planets with life elsewhere in the universe, from the perspective of current ideas concerning the origin and evolution of the universe, the solar system and life. Search techniques and possibilities for interstellar travel and space colonies are discussed. Intended for life sciences students.

Exclusion: AST221H1/AST222H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **AST299Y1 Research Opportunity Program**

Credit course for supervised participation in faculty research project.

Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: None

## **AST320H1 Introduction to Astrophysics [24L]**

The formation, equilibrium and evolution of structure on all astronomical scales from the largest to the smallest: universe, clusters of galaxies, galaxies, clusters of stars, gas clouds and stars.

Prerequisite: PHY252H1/PHY294H1; AST221H1, AST222H1 (or equivalent AST readings; consult the instructor)

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **AST325H1 Introduction to Practical Astronomy [39P]**

Through experiment and observation, develop the core skills to collect, reduce, and interpret astronomical data. Develop understanding and usage of telescopes, instruments, and detectors; reduction and analysis methods; simulations and model fitting; data and error analysis.

Prerequisite: AST221H1, AST222H1 (or equivalent readings, consult the instructor)

Exclusion: AST326Y1

Recommended Preparation: basic programming/scripting, numerical techniques (e.g., through CSC108H1/CSC148H1, CSC260H1).

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **AST326Y1 Practical Astronomy [78P]**

Through experiment and observation, develop the core skills to collect, reduce, and interpret astronomical data. Develop understanding and usage of telescopes, instruments, and detectors; reduction and analysis methods; simulations and model fitting; data and error analysis. This course is an expanded version of AST325H1 that gives a wider exposure to practical astronomy.

Prerequisite: AST221H1, AST222H1 (or equivalent readings; consult the instructor)

Exclusion: AST325H1

Recommended Preparation: basic programming/scripting, numerical techniques (e.g., through CSC108H1/CSC148H1, CSC260H1)

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

# Astronomy and Astrophysics

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## **AST396Y0 Research Topic Abroad [TBA]**

Course credit for research, lab work, or field studies abroad under the supervision of a faculty member. Not eligible for CR/NCR option.

Prerequisite: Completed at least 8.5 FCEs and no more than 14.0 FCEs including courses in AST, or permission of the instructor

Distribution Requirement Status: Science

Breadth Requirement: None

## **AST398H0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: None

## **AST399Y0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: None

## **AST424H1 Introduction to Astrophysical Research [24L]**

A literature study that develops methods and skills applicable to research in the physical sciences, with an emphasis on communication, including writing proposals and reports, and delivering presentations. This course is intended for students in the final year of the Astronomy & Astrophysics Major. Students are required to attend the weekly departmental colloquia and G2000 talks. Not eligible for CR/NCR option.

Prerequisite: AST320H1

Exclusion: AST425Y1

Recommended Preparation: AST325H1/AST326Y1

Distribution Requirement Status: Science

Breadth Requirement: None

## **AST425Y1 Research Topic in Astronomy**

A research project done in consultation with an individual staff member in the Department leading to a detailed written report and oral presentation.

This course is intended for students in the final year of the Astronomy and Physics specialist program. Students must enrol with the Undergraduate Secretary of the Department. Not eligible for CR/NCR option.

Prerequisite: AST320H1 and two of AST325H1/AST326Y1, PHY324H1, PHY350H1, PHY354H1, PHY356H1, PHY357H1, PHY358H1, PHY407H1/PHY408H1, PHY450H1, JPE395H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **AST430H1 Supervised Study in Astronomy & Astrophysics**

An individual study program chosen by the student with the advice of, and under the direction of, a staff member. Not eligible for CR/NCR option.

Prerequisite: Minimum GPA of 3.5 in Astronomy program courses

Permission of the Undergraduate Chair and the prospective adviser

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## Faculty

### University Professors Emeriti

D.H. MacLennan, BA, M Sc, Ph D, FRSC, O.C.  
M.A. Packham, BA, Ph D, FRSC

### Professors Emeriti

R.A. Anwar, M Sc, Ph D  
R.R. Baker, B Sc, Ph D  
A. Bennick, M Sc D, Ph D  
N. Camerman, B Sc, Ph D  
G.E. Connell, BA, Ph D, FRSC, O.C.  
J.W. Gurd, BA, Ph D  
T. Hofmann, Dip Chem, D Sc Tech  
C.J. Ingles, B Sc, Ph D  
D.E. Isenman, B Sc, Ph D  
A.O. Jorgensen, Ph D  
V.K. Kalnins, M Sc, Ph D  
B.G. Lane, BA, Ph D  
H.G. Lawford, B Sc, Ph D  
A. Marks, MD, Ph D  
R.K. Murray, MB, Ch B, MS, Ph D  
R.H. Painter, B Sc, Ph D (T)  
D.E. Pulleyblank, B Sc, Ph D  
B.H. Robinson, B Sc, Ph D  
B. Sarkar, M Phar  
H. Schachter, BA, MD, Ph D, FRSC  
J.M. Segall, B Sc, Ph D  
C.H. Siu, BA, Ph D  
D.O. Tinker, B Sc, Ph D  
G.R. Williams, B Sc, Ph D, D Sc (S), FRSC  
S. Wodak, L.C. Ph D

### Professor and Chair of the Department

J.R. Nodwell, B Sc, Ph D

### Professors

K. Adeli, B Sc, M Sc, Ph D  
L. Attisano, B Sc, Ph D  
D.W. Andrews, B Sc, Ph D  
D. Bazett-Jones, M Sc, Ph D  
C.E. Bear, M Sc, Ph D  
G.W. Brown, B Sc, Ph D  
A. Chakrabarty, B Sc, Ph D  
H.S. Chan, B Sc, Ph D  
D.M. Clarke, B Sc, Ph D  
A.R. Davidson, B Sc, Ph D  
C.M. Deber, B Sc, Ph D, FRSC  
O.P. Ernst, Dipl-Chem, Dr rer nat  
J. Forman-Kay, B Sc, Ph D  
S. Grinstein, B Sc, Ph D, FRSC  
W. Houry, B Sc, Ph D  
P.L. Howell, B Sc, Ph D  
A. Kapus, Ph D, MD  
L. Kay, B Sc, Ph D, FRSC, FRS  
F.W. Keeley, B Sc, Ph D  
S.O. Kelley, BA, Ph D  
A. Klip, M Sc, Ph D, FRSC  
P.N. Lewis, B Sc, Ph D  
C.A. Lingwood, B Sc, Ph D  
L.A. Moran, B Sc, Ph D  
M. Ohh, Ph D, PDF

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G. Privé, B Sc, Ph D  
S. Prosser, B Sc, M Sc, D Phil  
M.L. Rand, B Sc, Ph D  
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J. Rini, B Sc, Ph D  
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J. Rubinstein, B Sc, Ph D  
F. Sicheri, B Sc, Ph D, FRSC  
I. Stagljar, B Sc Dipl-Mol Biol, Ph D  
W. Trimble, B Sc, Ph D, FRSC  
D.B. Williams, M Sc, Ph D  
C.M. Yip, BA Sc, Ph D  
D.B. Zamble, B Sc, Ph D, PDF

### Associate Professors

S. Angers, B Sc, Ph D  
C. Enenkel, Dipl-Chem, Dr rer nat  
J.R. Glover, B Sc, Ph D  
W. Kahr, MD, Ph D, FRCPC  
A. McQuibban, B Sc, M Sc, Ph D  
T. F. Moraes, B Sc, M Sc, Ph D  
A. Muise, B Sc, MD, Ph D  
A. F. Palazzo, B Sc, Ph D  
J. Parkinson, B Sc, Ph D  
R. Pomès, B Eng, Ph D  
R. Screatton, B Sc, Ph D  
S. Sharpe, B Sc, Ph D  
C.A. Smibert, B Sc, Ph D  
B. Steipe, MD, Ph D  
A.R. Wilde, B Sc, Ph D

### Associate Professors, Teaching Stream

S. Andreopoulos, B Sc, M Sc, Ph D  
A. Khan-Trottier, B Sc, Ph D

### Assistant Professors

A. W. Ensminger, B Sc, Ph D, PDF  
G.D. Fair, B Sc, Ph D, PDF  
P. Gilbert, B Sc, Ph D, PDF  
J-P Julien, B Sc, Ph D  
P.K. Kim, B Sc, Ph D  
W. Lee, MD, Ph D, PDF  
M. Lemaire, MD, Ph D  
J.T. Maynes, B Sc, MD, Ph D  
R.A. Melnyk, B Sc, Ph D  
V. Mennella, Ph D, PDF  
J. Watts, B Sc, Ph D, PDF

### Assistant Professor, Teaching Stream

S. Patterson, B Sc, Ph D

### Lecturer

N. Lee, B Sc, M Sc, Ph D

## Introduction

Biochemistry is the study of the chemistry of living organisms. Biochemists seek a molecular explanation of life by attempting to understand its underlying principles. Biochemistry is concerned with the relevance of a molecule to an organism and the correlations between its structure and its function. Modern biochemistry grew out of the application of chemical techniques to biological problems and is the

# Biochemistry

foundation of biological science and medicine. In many ways it combines biology and chemistry but the subject now covers such a broad range of activity that it is difficult to draw a neat border around biochemistry. Some of the most exciting areas of current biochemistry research include:

- structural biology
- enzyme mechanisms
- signal transduction and regulation
- biotechnology
- molecular cell biology
- gene expression and development
- metabolic diseases
- proteomics and bioinformatics
- molecular evolution
- protein folding
- membranes and transport

The Biochemistry Specialist Program is academically oriented and designed to provide students with a fundamental understanding of the theoretical and practical aspects of the discipline. The program offers training in problem solving specifically using a molecular approach. Biochemistry specialists will gain experience in critical thinking and the skills required to evaluate scientific rationale. The Biochemistry Major Program offers students fundamental training in the science and gives each student in the program the chance to combine Biochemistry with another relevant Major Program. This may be within the Life Sciences or Basic Sciences, or may be within the arts. For example, the combination of Biochemistry with Economics or with English could provide students with training relevant to the fields of investment within biotechnology or scientific journalism. Students who excel within the Biochemistry Major Program may be offered the chance to enter the Specialist Program at the third year. Frequently students who have completed a B.Sc. in the Specialist Program continue their studies in graduate programs in Biochemistry and other Life Sciences. Graduates from either the Specialist or Major Programs may find employment in research and teaching. Employers include universities and colleges, government laboratories, clinical biochemistry laboratories, forensic laboratories, pharmaceutical companies, biotechnology companies, and many other industries. Skills learned in the Biochemistry Specialist and Major Programs are also helpful in other areas such as marketing, finance, and law. Some biochemistry graduates continue their studies in medicine, dentistry or other health related programs.

Students considering choosing either the BCH Specialist or BCH Major program are encouraged to attend program information sessions held by the department in October and March. Please note that the Specialist program is the accepted route to graduate studies in Biochemistry and to careers in research.

Undergraduate Coordinator Dr. S. Andreopoulos,  
undergrad.coordinator.biochem@utoronto.ca

Undergraduate Administrator Jennifer Haughton,  
jennifer.haughton@utoronto.ca

Enquiries: Medical Sciences Building, Room 5207 (416-978-2700)

Web site: [www.biochemistry.utoronto.ca](http://www.biochemistry.utoronto.ca)

## Biochemistry Programs

### Biochemistry Specialist

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's marks in the 3.0 required first-year courses:

First Year

(BIO120H1, BIO130H1); (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1; (MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1 with an average of at least 70% in these 3.0 full-course equivalents (FCEs) and a final mark of at least 60% in each course.

While it is difficult to predict what will be competitive course marks and average in a given year, based on previous years, the estimate is: course marks = mid 80s; average = mid 80s.

Achieving these estimated marks does not guarantee admission to the program in any given year.

Note: Students must apply to this program on the Arts & Science Faculty Registrar's Office website (see the Program Enrolment web site for instructions).

See the departmental web site at [www.biochemistry.utoronto.ca](http://www.biochemistry.utoronto.ca) for more information.

(14 full courses or their equivalent, including at least five 400-series courses)

First Year: (BIO120H1, BIO130H1); (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1; and (MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1

First or Second Year: (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

[PHY131H1, PHY132H1 recommended]

Second Year:

1. BCH242Y1; BIO230H1/BIO255H1; CHM220H1; CHM247H1/CHM249H1

2. One of: BIO260H1/HMB265H1/CHM223H1

Third Year: BCH340H1; (BCH377H1, BCH378H1); MGY311Y1

Fourth Year:

1. BCH478H1

2. Four half courses from the following list, including at least two BCH courses:  
BCH422H1/BCH425H1/BCH426H1/BCH440H1/BCH441H1/BCH444H1/  
BCH445H1/  
BCH446H1/BCH447H1/BCH448H1/BCH449H1/BCH479H1/BCB420H1/  
CHM447H1/MGY420H1/MGY425H1/MGY428H1/MGY451H1/MGY452H1/  
MGY470H1

3. BCH372Y1/(BCH373H1/BCH375H1)/BCH374Y1/BCH472Y1/BCH473Y1:  
One full credit from these optional research project courses may be taken for the Specialist program\*\*.

Note: Some of the MGY courses noted above have BIO260H1 as a prerequisite.

Over the course of the Specialist program, additional credits (to bring the program total to 14 full courses or their equivalent) from the following list: BCH350H1/BIO220H1/BIO260H1/CHM217H1 (Analytical Chemistry)/CHM223H1 (Physical Chemistry II)/CHM326H1 (Quantum Mechanics, Spectroscopy)/CHM328H1 (Physical Chemistry) /CHM342H1 (Organic Synthesis)/CHM347H1 (Organic Chemistry of Biological Compounds)/CSC108H1/CSC148H1 (Introductory Computer Science, only one CSC course can be chosen)/HMB265H1/MAT235Y1/MAT237Y1 (Calculus II)/STA220H1/STA221H1/ any suitable 300-level course from CHM/CSB/EEB/HMB/IMM/LMP/MGY/PCL/PSL (departmental approval required)

\*\* Additional BCH research project courses can be taken as part of the 20 full credits needed for your degree, but if you take more than one full credit project course, each must be taken with a different research supervisor.

## Biochemistry Major

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's marks in the 3.0 required first-year courses:

### First Year

(BIO120H1, BIO130H1); (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1; (MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1 with an average of at least 70% in these 3.0 full-course equivalents (FCEs) and a final mark of at least 60% in each course.

While it is difficult to predict what will be competitive course marks and average in a given year, based on previous years, the estimate is: course marks = high 70s; average = high 70s.

Achieving these estimated marks does not guarantee admission to the program in any given year.

Note: Students must apply to this program on the Arts & Science Faculty Registrar's Office website (see the Program Enrolment web site for instructions).

For more information, refer to the Biochemistry website at: [www.biochemistry.utoronto.ca](http://www.biochemistry.utoronto.ca)

NOTE: Students CANNOT combine a Biochemistry Major with a Cell & Molecular Biology Major.

8 full courses or their equivalent, including two 400-series half-year courses as noted below.

First Year: (BIO120H1, BIO130H1); (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1; (MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1

Second Year: BCH210H1; BIO230H1/BIO255H1; CHM247H1/CHM249H1

Third Year:

1. BCH311H1

2. BCH370H1

3. 1.5 full-course equivalents from the following list:

BIO220H1/BIO260H1/CHM217H1/CHM220H1/HMB265H1/BCH340H1/A NY 300-level course(s) in CHM/CSB/EEB/HMB/IMM/LMP/MGY/PCL/PSL (departmental approval required). Note: Field courses may not be used to fulfill the 1.5 FCEs.

Fourth Year: Two of:

BCH422H1/BCH425H1/BCH426H1/BCH440H1/BCH441H1/BCH444H1/BCH445H1/BCH446H1/BCH447H1/BCH448H1/BCH449H1/CHM447H1

## Bioinformatics and Computational Biology Specialist

The genomic and post-genomic era brings opportunities for new insight into all aspects of biology and medicine, based on the computational analysis of very large datasets in a biological context. The Bioinformatics and Computational Biology Program is an interdepartmental, interdisciplinary Program of Study that balances computer-science and life-science courses towards that goal. As a Specialist Program it is designed to prepare students for graduate studies in the field.

The Program is formally administered by the Department of Biochemistry and co-sponsored by the Departments of Cell and Systems Biology, Computer Science, Ecology and Evolutionary Biology, and Molecular Genetics; all sponsoring Departments have clear trajectories to extend the Program into graduate studies in the respective Department.

This program has unlimited enrolment and no specific admission requirements. All students who have completed at least 4.0 courses are eligible to enrol.

However students are advised that the very rigorous courses that are part of the Program, the very limited overlap in course material between the theory-centric and the biology-centric courses, and the different academic cultures in the life- and computer sciences, make this Program suitable only for the academically strongest and most highly motivated students on campus. As a rule of thumb, students who expect to do well should be able to regularly perform at the top 20% level in their classes.

You should seek advice from both the Program Director and the Department of Computer Science on how to distribute your courses.

For additional information, please refer to <http://biochemistry.utoronto.ca/bcb>

Specialist program:  
(12.5 full courses or their equivalent)

First or second year

The following courses are common prerequisites for required courses in the Program.  
(5 credits total):

(MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1; (CSC108H1, CSC148H1); (CSC165H1, CSC236H1)/CSC240H1<sup>(1)</sup>; CSC263H1/CSC265H1; (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1; BIO130H1/BIO150Y1.

Upper years:

The following courses are Program requirements (7.5 credits total):

STA247H1/STA255H1/STA257H1; CSC207H1; CSC209H1; CSC373H1; BIO230H1/BIO250Y1/(BIO240H1, BIO241H1)/BIO255H1/BIO255Y1; BIO260H1/HMB265H1; (BCH210H1, (BCH311H1/MGY311Y1))/BCH242Y1; BCH441H1/CSB472H1; BCB330Y1; BCB410H1; BCB420H1; BCB430Y1.

Course substitutions are possible with written permission of the Program Director. Note that the requirements for a co-sponsoring Department's major can normally be fulfilled with 0.5 to 3.5 additional credits. All Major programs in the co-sponsoring life science departments require BIO120H1, however it is not formally a part of this Specialist Program's requirements.

(1) The "missing" half-credit of the substitution does not have to be replaced. For details, please refer to the Computer Science Program instructions in this Calendar.

## Biochemistry Courses

### Bioinformatics and Computational Biology Courses

#### BCB330Y1 Special Project in Bioinformatics and Computational Biology [TBA]

An opportunity for specialized individual research in bioinformatics and computational biology by arrangement with the course coordinator and a supervisor. Significant background in both life science and computer science courses is required. Not eligible for CR/NCR option.

Prerequisite: Permission of the course coordinator.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

#### BCB410H1 Applied Bioinformatics [24L]

Practical introduction to concepts, standards and tools for the implementation of strategies in bioinformatics and computational biology. Student led discussions plus a strong component of hands-on exercises.

Prerequisite: BCH311H1/MGY311Y1;

(CSC324H1/CSC373H1/CSC375H1) or permission of the course coordinator

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

#### BCB420H1 Computational Systems Biology [24L]

Current approaches to using the computer for analyzing and modeling biology as integrated molecular systems. Lectures plus hands-on practical exercises. The course extends and complements an introductory Bioinformatics course, such as BCH441H1.

Prerequisite: BCH441H1/CSB472H1 or permission of the course coordinator

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

#### BCB430Y1 Advanced Special Project in Bioinformatics and Computational Biology [TBA]

An opportunity for advanced specialized individual research in bioinformatics and computational biology by arrangement with the course coordinator and a supervisor. Significant background in both life science and computer science courses is required. BCB330Y1 is a recommended preparation for this course however students should not normally conduct their project in the same laboratory or continue their previous project. Not eligible for CR/NCR option.

Prerequisite: Permission of the course coordinator

Recommended Preparation: BCB330Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### Biochemistry Courses

NOTE\*\*\*Students that do not meet the Program requirements for PE/AE courses must email Jennifer Haughton (jennifer.haughton@utoronto.ca) for permission to enrol in the course.

#### BCH210H1 Biochemistry I: Proteins, Lipids and Metabolism [36L/24T]

Proteins, enzymes, membranes and the metabolism of carbohydrates and lipids. This course is intended for students who are NOT taking BCH242Y1 as part of their program.

Prerequisite: Successful completion of (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1 NOTE: CHM1\*\* WITH COURSE EXCLUSION TO CHM138H1 AND CHM139H1 meet the Prerequisite requirement for BCH210H1. SC1\*\* DOES NOT COUNT as a Prerequisite. CHM140Y5 (UTM) is equivalent to CMH139H1 ONLY. CHMA10H3 & CHMA11H3 (UTSC) are equivalent to CHM139H1 ONLY. CHMB41H3/CHMB42H3 (UTSC) are equivalent to CHM138H1 ONLY. Students with a SDF in CHM135H1/CHM136H1/CHM138H1/CHM139H1 are not permitted to enrol in BCH210H1 until a final passing grade (50%) appears on the transcript.

Exclusion: BCH242Y1, CHM265H5(UTM)/CHM361H5(UTM)/CHM362H5(UTM)/BGYC12H3(UTSC) and BGYC13H3(UTSC)

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

#### BCH242Y1 Introduction to Biochemistry [64L/12T/14P]

An introductory course that will serve as the foundation for BCH courses taken in Third and Fourth years by students specializing in biochemistry and related specialist programs. The major topics include protein structure, enzyme mechanisms, cellular and molecular biology, lipid and membrane structure and function, and carbohydrate, lipid, and amino acid metabolism and bioenergetics. Please note that there are five laboratories accompanying this course.

Prerequisite: (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1

Exclusion: BCH210H1, CHM261H5 (UTM)/CHM361H5(UTM)/CHM362H5 (UTM)/BGYC12H3 (UTSC) and BGYC13H3 (UTSC)

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4) + The Physical and Mathematical Universes (5)

#### BCH299Y1 Research Opportunity Program

Credit course for supervised participation in faculty research project.

Details at <http://www.artsci.utoronto.ca/current/course/rop> Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: None

#### BCH311H1 Biochemistry II: Nucleic Acids and Biological Information Flow [24L/12T]

Nucleic acids and flow of information in biological systems. Information storage and transmission by nucleic acids, as well as new molecular technologies will be discussed. Registration in one of the tutorial sessions is mandatory. Note: Students that have a SDF in BCH210H1 are not permitted to enrol in BCH311H1 until a final passing grade (50%) appears on the transcript. BCH2\*\* WITH COURSE EXCLUSION TO BCH210H1 meets the prerequisite requirement for BCH311H1.

Prerequisite: BCH210H1/(BGYC12H3 and BGYC13H3 [UTSC])

Exclusion: MGY311Y1, PSL350H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **BCH340H1 Proteins: from Structure to Proteomics [24L/6T]**

Proteins are the main functional units in the cell and are part of almost every biochemical process. They catalyze many metabolic reactions and also play central roles in signaling pathways. Some proteins have crucial structural and mechanical functions. In this course, a detailed overview of protein structure, stability, folding, and protein-ligand interactions will be given with strong emphasis on discussing the basic principles in the field. Biophysical, theoretical, and proteomic methods used to study protein stability and folding and protein-ligand interactions will be presented. Protein misfolding diseases will also be discussed. The course will offer a solid basis in protein biochemistry. It is recommended for those interested in pursuing graduate studies or professional degrees in health or medicine.

Prerequisite: BCH210H1/BCH242Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **BCH350H1 Antibiotics and antibiotic targets [24L/12T]**

This course will cover the action of the biochemical targets of the existing antibiotics (nucleotide-, RNA-, DNA-, protein- and cell wall synthesis, the manner in which these pathways are inhibited in antimicrobial therapy and the biochemical basis of antibiotic resistance. The biochemistry and origin of naturally occurring and synthetic antibiotics will be introduced. (Enrolment limited.)

Prerequisite: BCH242Y1/(BCH210H1, BCH311H1)

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **BCH370H1 Laboratory Course in Biochemical Techniques [6L/42P]**

This course reinforces theoretical principles through experiments that encompass pH and buffers, spectrophotometry, chromatography, protein electrophoresis, enzyme kinetics and DNA isolation and analysis. Intended for students who are not proceeding further in biochemistry. It is highly recommended that students take this course in their third year as space is limited and priority will go to third-year students. cGPA of 2.5 is required for non-Biochemistry Majors and Specialists. This course will be offered in the FALL & WINTER terms. No enrolment will be permitted after the start of class. (Enrolment limited.)

Prerequisite: BCH210H1

Exclusion: BCH377H1, CHM379H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **BCH372Y1 Summer Research in Biochemistry [144P]**

Real-world opportunity to apply theoretical knowledge and hone technical skills through full-time research in an active research laboratory for students who have completed second year. Students are responsible for arranging for supervision by a Department of Biochemistry faculty member in advance of the academic year-end. Participants must have a minimum cGPA of 3.0 and the approval of the course coordinator. Not eligible for CR/NCR option.

Prerequisite: BCH242Y1, and permission of Department

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **BCH373H1 Research Project in Biochemistry [72P]**

(replaced with BCH374Y1)

Distribution Requirement Status: Science

## **BCH374Y1 Research Project in Biochemistry [12T/144P]**

(formerly BCH373H1, BCH375H1)

This course provides an opportunity to perform specialized research in biochemistry under the direct supervision of Biochemistry Department Faculty. A cGPA of 3.3 is required for students in Major programs and a cGPA of 3.0 is required for students in Specialist programs. Not eligible for CR/NCR option.

Prerequisite: For Specialist: BCH242Y1; BIO230H1;

CHM247H1/CHM249H1, and permission of the Department. For Major: BCH210H1; BIO230H1; CHM247H1/CHM249H1, and permission of the Department.

Exclusion: BCH373H1, BCH375H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **BCH375H1 Research Project in Biochemistry [72P]**

(replaced with BCH374Y1)

Distribution Requirement Status: Science

## **BCH377H1 Biochemistry Laboratory I [12L/48P]**

An introduction to fundamental laboratory techniques in modern biochemistry. Experiments illustrate and develop the concepts described in lecture courses and serve as a foundation for more advanced training in biochemistry laboratory courses. Enrollment in this course is generally restricted to students enrolled in the Biochemistry, Immunology, and Molecular Genetics & Microbiology (Genetics Stream) Specialist programs.

Prerequisite: BCH242Y1

Exclusion: BCH370H1, CHM379H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **BCH378H1 Biochemistry Laboratory II [12L/48P]**

This course builds upon the fundamental laboratory techniques acquired in BCH377H1. Students gain hands-on experience in experimental design and data analysis, exploring numerous modern and classic biochemistry and molecular biology experimental techniques used in research laboratories. Enrollment in this course is generally restricted to students enrolled in the Biochemistry Specialist program.

Prerequisite: BCH377H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **400-level courses**

NOTE: Students who have completed University of Toronto at Mississauga's CHM361H5 and CHM362H5 may enroll in 400-series lecture courses if they obtain permission of the Department.

## **BCH422H1 Membrane Proteins: Structure, and Function [24L]**

Structural features of membrane proteins, their biogenesis and methods of analysis. Function of membrane proteins as transporters, channels, pumps and receptors. Molecular aspects of disease processes linked to membrane proteins.

Prerequisite: BCH210H1/BCH242Y1; BCH311H1/

MGY311Y1/PSL350H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **BCH425H1 Structural Biology: Principles and Practice [24L]**

Theory of modern biophysical techniques as applied to the study of the structure and function of macromolecules; emphasis on X-ray crystallography, electron cryomicroscopy, NMR spectroscopy, and other spectroscopic methods.

Prerequisite: BCH210H1/BCH242Y1. This is a problem-solving course and will require use of skills from introductory physics, math, and/or chemistry courses.

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **BCH426H1 Regulation of Signalling Pathways [24L]**

A variety of questions relating to signal transduction are investigated. How is calcium regulated in the cell and how does calcium regulate cell function? How are extracellular signals such as morphogens, growth factors or insulin, received and transmitted by intracellular proteins including kinases and phosphatases to control cellular proliferation and differentiation?

Prerequisite: BCH210H1/BCH242Y1;

BCH311H1/MGY311Y1/PSL350H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **BCH427H1 Advanced Molecular Biophysics [24L]**

(This course is not offered for the 2016 - 2017 Academic Year)

This course provides a focused study of concepts in thermodynamics, statistical mechanics and quantum mechanics through examples dealing with important current problems in molecular biophysics. Concepts in thermodynamics and statistical mechanics will be surveyed through applications to protein folding, while principles of quantum mechanics will be emphasized through a study of nuclear magnetic resonance spectroscopy.

Prerequisite: CHM326H1/CHM338H1/PHY356H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **BCH440H1 Protein Biosynthesis [24L]**

"The life of proteins: from birth to death". This course is presented as eight themes. 1. Structure, assembly, and evolution of the ribosome. 2. mRNA synthesis, maturation, and localization. 3. Mechanisms and regulation of translation initiation. 4. Fidelity during translation elongation. 5. Translation termination and translation-mediated mRNA decay. 6. Nascent protein folding and molecular chaperones. 7. Protein aging, misfolding and disease. 8. Protein degradation via the ubiquitin proteasome system and autophagy. In addition to the lectures, students will work in groups during tutorial sessions to interpret a recent paper related to one of the eight themes to be formally presented during regular class hours.

Prerequisite: BCH210H1/BCH242Y1;

BCH311H1/MGY311Y1/PSL350H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **BCH441H1 Bioinformatics [24L/12T]**

This course is an introduction to computational methods and internet resources in modern biochemistry and molecular biology. The main topics include: sequence and genome databases, sequence alignment and homology search, use and interpretation of molecular structure, and phylogenetic analysis. Assignments focus on hands-on competence building with web-based bioinformatics tools and databases, downloadable software including a molecular viewer and a multiple sequence alignment editor, and the statistics workbench and programming language "R". For syllabus details see:

[www.biochemistry.utoronto.ca/undergraduates/courses/BCH441H/](http://www.biochemistry.utoronto.ca/undergraduates/courses/BCH441H/)

Note BCH420H1 extends this syllabus to computational topics of systems biology.

Prerequisite: BCH210H1/BCH242Y1;

BCH311H1/MGY311Y1/PSL350H1 or special permission of the course coordinator

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **BCH444H1 Protein Trafficking in the Secretory & Endocytic Pathways [24L]**

This course examines the molecular details of the secretory and endocytic pathways in the cell. Some of the specific topics covered will include protein translocation into the ER, chaperones and protein folding in the ER, retrotranslocation and protein degradation, the Unfolded Protein Response (UPR), vesicle biogenesis and ER-Golgi transport, regulated secretion, basic concepts in endocytosis and protein sorting in polarized cells. Emphasis is placed on current experimental approaches. A good understanding of basic biochemical methods is an asset. Participants must have a minimum cGPA of 2.8.

Prerequisite: BCH210H1/BCH242Y1;

BCH311H1/MGY311Y1/PSL350H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **BCH445H1 Organelles in Cell Function and Death [24L]**

Advanced principles and concepts of cell biology are covered including the structure, biogenesis, and dynamic behavior of cell organelles. The specific contributions to the life and death of the cell are highlighted. Signaling events that integrate cellular communication are discussed. Specifically, the interplay between the Endoplasmic Reticulum, Peroxisomes and Mitochondria is highlighted. Mitochondrial biogenesis and membrane dynamics as they relate to apoptosis and cellular signaling/integration are presented as they relate to human disease. State-of-the-art imaging techniques and the contributions of cell biology to modern day advances in medicine are also presented.

Prerequisite: BCH210H1/BCH242Y1; BIO230H1/BIO255H1;

BCH311H1/MGY311Y1/PSL350H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **BCH446H1 Membrane Dynamics of the Cell Surface [24L]**

This course covers the principles and concepts related to molecular cell biology of the cell surface in multicellular organisms. Topics include: cytoskeleton and organization of membrane dynamics; cell-cell and cell-matrix interactions and signaling; cell migration and adhesion; maintenance of cell polarity; turnover and renewal of membrane by vesicular trafficking; structure and function of primary cilia, cytonemes and tunneling nanotubes; ectosomes and non-canonical secretion pathways; viral uptake by macropinocytosis and engulfment by phagocytosis. Note: cGPA of 2.5 is required for non-Biochemistry Majors and Specialists. (Enrolment limited.)

Prerequisite: BCH210H1/BCH242Y1;

BCH311H1/MGY311Y1/PSL350H1, and permission of department.

Exclusion: CSB331H1, CSB428H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)



## **BCH447H1 Molecular Evolution [24L]**

This course will examine the fundamental concepts of evolution with an emphasis on molecular evolution. We will discuss selected controversial topics such as molecular clocks, alternative splicing, junk DNA, random genetic drift vs. natural selection, the Three Domain Hypothesis and whether humans are evolving. We will examine various evolutionary hypotheses that scientists are proposing as alternatives to the Modern Synthesis.

Prerequisite: BCH210H1/BCH242Y1;

BCH311H1/MGY311Y1/PSL350H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **BCH448H1 Structure and Function of the Nucleus [24L]**

This course examines the structure and function of the cell nucleus and the genome through the lens of biochemistry, molecular biology, cell biology and evolution. A focus is placed on the major scientific developments that shaped our current understanding. Topics that will be covered are eukaryogenesis, junk DNA, the structure of DNA and chromatin, the transfer of information between genotype and phenotype, the filtering of information found in the genome into biologically relevant molecules such as mRNA, the processing and export of these products from the nucleus into the cytoplasm, and the translation of mRNA into protein. We will also investigate how various organelles, such as the endoplasmic reticulum and mitochondria, played a role in the evolution of the nucleus. Finally we will investigate how biological information is partitioned during mitosis.

Prerequisite: BCH210H1/BCH242Y1;

BCH311H1/MGY311Y1/PSL350H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **BCH449H1 Medical Biochemistry [24L/12T]**

This course will apply core biochemical principles to explain the pathogenesis of emerging diseases at the molecular level and describe advanced biochemical technologies used to understand and treat these illnesses. Students will be exposed to how biochemical principles influence medical diagnoses, therapy and the development of new drugs.

Prerequisite: BCH242Y1/(BCH210H1, BCH311H1), BIO230H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **BCH472Y1 Advanced Summer Research Project in Biochemistry [144P]**

Real-world opportunity to apply theoretical knowledge and hone technical skills through full-time research in an active research laboratory for students who have completed third year. Students are responsible for arranging for supervision by a Department of Biochemistry faculty member in advance of the academic year-end. Participants must have a minimum cGPA of 3.0 and the approval of the course coordinator. Not eligible for CR/NCR option.

Prerequisite: BCH340H1; BCH377H1; BCH378H1; and permission of Department

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **BCH473Y1 Advanced Research Project in Biochemistry [144P]**

This course provides opportunities to pursue an original individual research project in a particular area of biochemistry, under the direct supervision of a Biochemistry Department faculty member. A cGPA of 3.3 is required for students in Major programs and a cGPA of 3.0 is required for students in Specialist programs. Not eligible for CR/NCR option.

Prerequisite: Specialist – BCH340H1; BCH377H1; BCH378H1;

MGY311Y1; and permission of Department. Major – BCH370H1;

BCH311H1; and permission of Department.

Corequisite: BCH478H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **BCH478H1 Advanced Biochemistry Laboratory [24L/84P]**

Experiments extend students' technical abilities as well as their knowledge and application of practical theory. This course is designed as an advanced successor in a progression of biochemistry laboratory experiences in BCH242Y1, BCH377H1 and BCH378H1 that will equip students with a spectrum of practical abilities that are of vital importance in scientific research.

Prerequisite: BCH340H1;BCH377H1;BCH378H1/(CHM361H5 [UTM] + CHM362H5 [UTM]) + CHM371H5 [UTM]; MGY311Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **BCH479H1 Advanced Seminar in Biochemistry [24S]**

This seminar course will foster close interactions between students and Faculty and encourage in depth discussion not only of results but the ways the results were presented and the rationales for experimental design. Critical thinking skills will be developed, as will presentation skills, as students become presenters of results and take on the role of scientist presenting and analyzing new findings. Writing skills will be developed through an essay assignment. Students within the audience will also have access to the experimental papers and be encouraged to pose thoughtful questions about research and the ways that research can be communicated within the scientific community. Thus the new seminar course will foster an appreciation of scientific writing and give students a venue to develop their communication skills. The goal of the seminar course is to improve both the written and oral scientific communication skills of our Specialist students, as well as to increase their knowledge of key papers in Biochemistry.

Prerequisite: BCH340H1;BCH377H1;BCH378H1; and permission of Department

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## Introduction

Given by Members of the Departments of Cell & Systems Biology and Ecology & Evolutionary Biology

Students are advised to consult courses listed by these Departments.

Biology is the scientific study of life. At no time in history has biology been more visible and important to human life and the future of our planet. The study of biology has vast applications: in understanding one's own body, in grappling with the ethical questions that face humanity and in understanding the interdependent web of living organisms on the planet. The biological sciences are experiencing a revolution. Important discoveries occur weekly as scientists and their students around the world develop and use new techniques, theories, and approaches.

The University of Toronto has many faculty members conducting research and teaching courses in the biological sciences. Within the Faculty of Arts and Science, St. George campus, there is no single biology department; members of the departments of Cell & Systems Biology and Ecology & Evolutionary Biology teach biology courses across this broad spectrum. Each of these departments offers its own programs and courses, and jointly offers the Biology programs and, with Molecular Genetics, the Genome Biology Major program. Courses are available in the broad subject areas of cell and molecular biology, developmental biology, ecology, evolutionary biology, genetics, physiology, and genome biology. Students should consult the Cell & Systems Biology and Ecology & Evolutionary Biology entries in this Calendar.

Because many areas of biology draw on mathematics and the physical sciences, background preparation in calculus and chemistry from high school is required for students pursuing some programs in biology and recommended for others.

Students entering their first year in the life sciences take BIO120H1 and BIO130H1. These courses are taken by students who have successfully completed Grade 12 Biology (or an equivalent course); BIO130H1 also requires students to have successfully completed Grade 12 Chemistry (or an equivalent course). One or both of these half courses is a prerequisite for almost all further courses in the life sciences.

Students in the **Biology Specialist** and **Biology Major** programs obtain a foundation in the core areas of cell and molecular biology, ecology, evolutionary biology, physiology and genetics; as well as in calculus, chemistry and statistics (Specialist), or chemistry (Major). In the upper years, students take advanced courses in these areas, and can also include courses in the biological sciences offered by other units. In their final year, students take at least one full-year or two half-year (Specialist) or one half-year (Major) advanced integrative, inquiry-based course in the biological sciences offered by the departments of Cell & Systems Biology and Ecology & Evolutionary Biology, including seminar, independent research project, and field courses. Students who wish to focus on either plant and microbial biology or animal biology can take courses within these programs that concentrate in these subject areas. The **Biology Minor** program offer students an introduction to cell and molecular biology, ecology, evolutionary biology, and physiology. The **Biology Minor (joint with NUS)** program is offered jointly with the National University of Singapore): students complete 2.0 FCEs at the University of Toronto and 2.0 FCEs on exchange in Singapore.

Genomics, the study of the structure, function and evolution of the genome, is among the newest and most rapidly growing fields of both basic and applied science, and nearly all of the more traditional disciplines in biology are being revolutionized by genomic tools. The growing flood of data on the DNA, RNA, and protein sequences of organisms provides unprecedented opportunities to address fundamental

biological questions such as the causes of disease, the genetic basis of development, the extent and causes of adaptive evolution, and the nature of gene regulation. Genome biology is a highly interdisciplinary field, encompassing concepts and practices from such diverse fields as cell and molecular biology, evolutionary genetics, and computer science. Students in the **Genome Biology Major** program will receive a uniquely broad training in these concepts and practices, with a key focus on conceptual training in molecular biology, bioinformatics and evolutionary genetics, and practical training in both computational and wet-lab genomics research. A key focus of the program is to train biologists in the breadth of knowledge and skills required to understand, generate, and use results from genomics. The Genome Biology Major program begins with a core set of courses providing a foundation in biology in the first and second years of study. In the upper years, the departments of Cell & Systems Biology, Ecology & Evolutionary Biology, and Molecular Genetics offer a range of courses that cover various aspects of genomics. These include advanced lecture, seminar, and laboratory courses in addition to research project courses that take students into active labs to pursue their own research. A critical requirement of this program is a practical laboratory component that provides hands-on experience with the collection and/or analysis of genomic datasets.

The diverse course offerings in the Biology and Genome Biology programs allows students to customize their educational experience to match their personal interests.

## Biology Programs

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### Biology Specialist (Science program)

The Biology Specialist, Major, and Minor programs are administered through the Department of Ecology & Evolutionary Biology. Contact: [undergrad.eeb@utoronto.ca](mailto:undergrad.eeb@utoronto.ca)

(12 full courses or their equivalent including at least 1.0 FCE at the 400 series)

Students who have taken BIO150Y1, do not take BIO120H1 and BIO220H1 in this program. Students who have taken BIO240H1 and BIO241H1, do not take BIO130H1 and BIO230H1 in this program.

First Year (3.0 FCEs): BIO120H1; BIO130H1; CHM135H1 (formerly CHM139H1), CHM136H1 (formerly CHM138H1)/CHM151Y1; (MAT135H1, MAT136H1)/MAT135Y1/MAT137Y1/MAT157Y1

Higher Years:

1. 2.5 FCEs: BIO220H1; BIO230H1/BIO255H1; BIO251H1; BIO270H1/PSL300H1; BIO260H1/HMB265H1

2. 0.5 FCE statistics from: EEB225H1, PSY201H1, STA220H1, STA257H1, GGR270H1

3. 0.5 FCE from chemistry, physics or statistics: CHM220H1, CHM247H1/CHM249H1; PHY131H1, PHY151H1; PSY202H1; STA221H1, STA255H1, STA261H1

4. 1.5 FCE at the 200+ series from: BCH; BIO; CJH332H1; CSB (excluding CSB200Y1, CSB201H1, CSB202H1); EEB (excluding EEB202H1, EEB204H1, EEB206H1, EEB214H1, EEB215H1); EHJ352H1; ENV234H1, ENV334H1; ENV432H1; IMM250H1; JHE353H1, JHE355H1; MGY200H1, MGY277H1; NFS284H1; PSY397H1, PSY497H1

5. 0.5 FCE at 300+ series in **plant or microbial biology** from:

CSB340H1, CSB350H1, CSB351Y1, CSB353H1, CSB450H1, CSB452H1, CSB459H1, CSB460H1, CSB475H1; EEB328H1, EEB330H1, EEB331H1, EEB340H1, EEB403H1/0, EEB405H1/0, EEB428H1, EEB440H1, EEB445H1

6. 0.5 FCE at 300+ series in **animal biology** from: CJH332H1; CSB325H1, CSB327H1, CSB328H1, CSB330H1, CSB331H1, CSB332H1, CSB343H1, CSB345H1, CSB346H1, CSB426H1, CSB428H1, CSB429H1, CSB430H1, CSB431H1, CSB432H1, CSB435H1, CSB445H1, CSB447H1, CSB483H1; EEB322H1, EEB380H1, EEB382H1, EEB384H1, EEB386H1, EEB388H1, EEB390H1, EEB440H1; EHJ352H1  
NOTE: BIO270H1 and BIO271H1 are prerequisites for 300+ series CSB courses in physiology.

7. 2.0 FCEs at 300+ series (at least 1.0 FCE must be from Group 1) from:  
Group 1: CJH332H1; CSB; EEB; EHJ352H1; ENV334H1, ENV432H1; JHE353H1, JHE355H1; NUS; PSY397H1, PSY497H1  
Group 2: ANA; ANT333Y1, ANT338H1, ANT430H1, ANT436H1; BCH; HMB; IMM; NFS; MGY; PCL; PSL

8. 1.0 FCE at 400-series from: CSB; EEB; HMB499Y1

NOTE: Students who wish to focus on either **plant or microbial biology**, or **animal biology** should take courses in 7. and 8. that concentrate in these subject areas as listed in 5. and 6., respectively.  
BIO271H1/PSL301H1 is highly recommended for students concentrating in animal biology and is a prerequisite for 300+ series CSB courses in physiology.

## Biology Major (Science program)

The Biology Specialist, Major, and Minor programs are administered through the Department of Ecology & Evolutionary Biology. Contact: [undergrad.eeb@utoronto.ca](mailto:undergrad.eeb@utoronto.ca)

(8 full courses or their equivalent including at least 1.5 FCEs at the 300+ series and 0.5 FCE at the 400 series)

First Year (2.0 FCEs): BIO120H1; BIO130H1; CHM135H1 (formerly CHM139H1), CHM136H1 (formerly CHM138H1)/CHM151Y1

Higher Years:

1. 2.5 FCEs: BIO220H1; BIO230H1/BIO255H1; BIO251H1; BIO270H1/PSL300H1; BIO260H1/HMB265H1

2. 1.5 FCE from: BCH; BIO; CJH332H1; CSB (excluding CSB200Y1, CSB201H1, CSB202H1); EEB (excluding EEB202H1, EEB204H1, EEB206H1, EEB214H1, EEB215H1); EHJ352H1; ENV234H1, ENV334H1; IMM250H1; JHE353H1, JHE355H1; MGY200H1, MGY277H1; NFS284H1; PSY397H1, PSY497H1

3. 1.5 FCEs at 300+ series from: ANA; ANT333Y1, ANT338H1, ANT430H1, ANT436H1; BCH; CJH332H1; CSB; EEB; EHJ352H1; ENV334H1; HMB; IMM; JHE353H1, JHE355H1; MGY; NUS; PCL; PSL; PSY397H1, PSY497H1

4. 0.5 FCE at 400-series from: CSB; EEB; HMB499Y1

NOTE: Students who wish to focus on either **plant or microbial biology**, or **animal biology** should take courses in 2., 3., and 4. that concentrate in these subject areas (as listed below).

CSB and EEB courses in **plant or microbial biology**: CSB340H1, CSB350H1, CSB351Y1, CSB353H1, CSB450H1, CSB452H1, CSB459H1, CSB460H1, CSB475H1; EEB268H1, EEB328H1, EEB330H1, EEB331H1, EEB340H1, EEB405H1, EEB428H1, EEB440H1, EEB445H1

CSB and EEB courses in **animal biology**: BIO271H1/PSL301H1; CJH332H1; CSB325H1, CSB327H1, CSB328H1, CSB330H1, CSB331H1, CSB343H1, CSB345H1, CSB346H1, CSB426H1, CSB428H1, CSB429H1, CSB430H1, CSB431H1, CSB432H1, CSB435H1, CSB445H1, CSB447H1, CSB483H1; EEB263H1, EEB266H1, EEB267H1, EEB322H1, EEB380H1, EEB382H1, EEB384H1, EEB386H1, EEB388H1, EEB390H1, EEB440H1; EHJ352H1. (BIO271H1/PSL301H1 is highly recommended for students concentrating in animal biology and is a prerequisite for 300+ series CSB courses in physiology.)

## Biology Minor (Science program)

The Biology Specialist, Major, and Minor programs are administered through the Department of Ecology & Evolutionary Biology. Contact: [undergrad.eeb@utoronto.ca](mailto:undergrad.eeb@utoronto.ca)

(4 full courses or their equivalent)

First Year (1.0 FCE): BIO120H1; BIO130H1

Higher Years:

1. 1.0 FCE from: BIO220H1; BIO230H1/BIO255H1; BIO251H1; BIO270H1/PSL300H1; BIO271H1/PSL301H1; BIO260H1/HMB265H1

2. 2.0 FCEs (1.0 FCE must be at the 300+ series) from: BIO; CJH332H1; CSB (excluding CSB200Y1, CSB201H1, CSB202H1); EEB (excluding EEB202H1, EEB204H1, EEB206H1, EEB214H1, EEB215H1); EHJ352H1; ENV234H1, ENV334H1, ENV432H1; HMB265H1; JHE353H1, JHE355H1; MGY200H1, MGY277H1; NUS; PSY397H1, PSY497H1

## Biology Minor (offered jointly with the National University of Singapore)

This Type 3 minor program represents a unique opportunity to study biology in a different cultural environment. For more information, contact the Centre for International Experience ([cie.utoronto.ca](http://cie.utoronto.ca)).

(4 full courses or their equivalent)

First Year (1.0 FCE): BIO120H1; BIO130H1

Higher Years:

1. 1.0 FCE from: BIO220H1; BIO230H1/BIO255H1; BIO251H1; BIO270H1/PSL300H1; BIO271H1/PSL301H1; BIO260H1/HMB265H1; ENV234H1

2. 2.0 FCEs: any available LSM courses at the National University of Singapore for which you have the appropriate equivalent U of T course prerequisite and for which space is available (note: 1.0 FCE at NUS must be at the 3000 or 4000 level). You enrol through the NUS generic courses at U of T: NUS301H0, NUS302H0, etc. For a list of LSM courses see: <http://www.lifesciences.nus.edu.sg/lsm.html>. To discuss exclusions and prerequisites contact the EEB Undergraduate Office.

# Biology

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## Genome Biology Major (Science program)

This program is a joint program of the departments of Cell & Systems Biology, Ecology & Evolutionary Biology, and Molecular Genetics. It is administered through the Department of Cell & Systems Biology.

(8 full courses or their equivalent)

First year: BIO120H1, BIO130H1; (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1; (MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1

Higher years:

1. BIO220H1, BIO230H1/BIO255H1; BIO260H1/HMB265H1; EEB225H1/STA220H1
2. Genomics fundamentals: BCH311H1/CSB349H1/MGY311Y1, CSB352H1; EEB323H1
3. 0.5 FCE laboratory course from: CSB472H1, CSB474H1; EEB460H1
4. 1.0 FCE genomics elective from: CSB330H1, CSB350H1, CSB397Y0, CSB427H1, CSB435H1, CSB450H1, CSB473H1, CSB490H1, CSB491H1, CSB497H1/CSB498Y1/CSB499Y1; EEB362H1, EEB459H1, EEB497H1/EEB498Y1/EEB499Y1; EHJ352H1; MGY350H1, MGY360H1, MGY428H1, MGY470H1, MGY480Y1

NOTE: Students taking CSB397Y0, CSB490H1, CSB491H1, CSB497H1/CSB498Y1/CSB499Y1, EEB497H1/EEB498Y1/EEB499Y1 or MGY480Y1 are encouraged to conduct a genomics-related research project.

## Other Biology Programs:

Animal Physiology: see Cell & Systems Biology

Biodiversity and Conservation Biology: see Ecology & Evolutionary Biology

Biology, Human: see Human Biology

Cell and Molecular Biology: see Cell & Systems Biology

Developmental Biology: see Cell & Systems Biology

Environmental Biology: see Ecology & Evolutionary Biology

Ecology & Evolutionary Biology: see Ecology & Evolutionary Biology

## Biology Courses

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### JMB170Y1 Biology, Models, and Mathematics [48L/24T]

Applications of mathematics to biological problems in physiology, genetics, evolution, growth, population dynamics, cell biology, ecology, and behaviour. Mathematical topics include: power functions and regression; exponential and logistic functions; binomial theorem and probability; calculus, including derivatives, max/min, integration, areas, integration by parts, substitution; differential equations, including linear constant coefficient systems; dynamic programming; Markov processes; and chaos. This course is intended for students in Life Sciences.

Corequisite: BIO120H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### NUS301H0 Life Sciences Course A [TBA]

A 3000-level Life Sciences (LSM) course offered at the National University of Singapore. For course offerings see: [www.lifesciences.nus.edu.sg/lsm.html](http://www.lifesciences.nus.edu.sg/lsm.html)

Prerequisites and Exclusions: see the EEB website ([www.eeb.utoronto.ca/Learning/programs.htm](http://www.eeb.utoronto.ca/Learning/programs.htm))

Prerequisite: BIO120H1, BIO130H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### NUS302H0 Life Sciences Course B [TBA]

A 3000-level Life Sciences (LSM) course offered at the National University of Singapore. For course offerings see: [www.lifesciences.nus.edu.sg/lsm.html](http://www.lifesciences.nus.edu.sg/lsm.html)

Prerequisites and Exclusions: see the EEB website ([www.eeb.utoronto.ca/Learning/programs.htm](http://www.eeb.utoronto.ca/Learning/programs.htm))

Prerequisite: BIO120H1, BIO130H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### NUS303H0 Life Sciences Course C [TBA]

A 3000-level Life Sciences (LSM) course offered at the National University of Singapore. For course offerings see: [www.lifesciences.nus.edu.sg/lsm.html](http://www.lifesciences.nus.edu.sg/lsm.html)

Prerequisites and Exclusions: see the EEB website ([www.eeb.utoronto.ca/Learning/programs.htm](http://www.eeb.utoronto.ca/Learning/programs.htm))

Prerequisite: BIO120H1, BIO130H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### NUS304H0 Life Sciences Course D [TBA]

A 3000-level Life Sciences (LSM) course offered at the National University of Singapore. For course offerings see: [www.lifesciences.nus.edu.sg/lsm.html](http://www.lifesciences.nus.edu.sg/lsm.html)

Prerequisites and Exclusions: see the EEB website ([www.eeb.utoronto.ca/Learning/programs.htm](http://www.eeb.utoronto.ca/Learning/programs.htm))

Prerequisite: BIO120H1, BIO130H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### NUS401H0 Life Sciences Course E [TBA]

A 4000-level Life Sciences (LSM) course offered at the National University of Singapore. For course offerings see: [www.lifesciences.nus.edu.sg/lsm.html](http://www.lifesciences.nus.edu.sg/lsm.html)

Prerequisites and Exclusions: see the EEB website ([www.eeb.utoronto.ca/Learning/programs.htm](http://www.eeb.utoronto.ca/Learning/programs.htm))

Prerequisite: BIO120H1, BIO130H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### NUS402H0 Life Sciences Course F [TBA]

A 4000-level Life Sciences (LSM) course offered at the National University of Singapore. For course offerings see: [www.lifesciences.nus.edu.sg/lsm.html](http://www.lifesciences.nus.edu.sg/lsm.html)

Prerequisites and Exclusions: see the EEB website ([www.eeb.utoronto.ca/Learning/programs.htm](http://www.eeb.utoronto.ca/Learning/programs.htm))

Prerequisite: BIO120H1, BIO130H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## Biology Courses

BIO120H1

Adaptation and Biodiversity

See Ecology & Evolutionary Biology

BIO130H1

Molecular and Cell Biology

See Cell & Systems Biology

BIO220H1

From Genomes to Ecosystems in a Changing World

See Ecology & Evolutionary Biology

BIO230H1

From Genes to Organisms

See Cell & Systems Biology

BIO251H1

Form, Function and Development in Plants

See Ecology & Evolutionary Biology

BIO255H1

Cell and Molecular Biology with Advanced Laboratory

See Cell & Systems Biology

BIO260H1

Concepts in Genetics

See Cell & Systems Biology

BIO270H1

Animal Physiology I

See Cell & Systems Biology

BIO271H1

Animal Physiology II

See Cell & Systems Biology

## Faculty

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### Professor and Director

N.W. Murray, BSc, PhD

### Associate Chair

U-L. Pen, MSc, PhD

### University Professor

J.R. Bond, OC, MS, PhD, FRSC, FRS

### Professors

P.G. Martin, MSc, PhD, FRSC

A.C. Thompson, BSc, PhD

### Associate Professor

H. Pfeiffer, BSc, PhD

## Introduction

The Canadian Institute for Theoretical Astrophysics (CITA) is an incorporated national institute hosted by the University of Toronto, conducting research covering all of modern astrophysical theory and analysis during this remarkable age of cosmic discovery. CITA has firmly established itself as one of the top five places in the world for such research; despite its small size CITA has had a large impact on the world-wide astrophysics community. Research at CITA is carried out by about 20 research fellows, 30 graduate students, and a limited number of undergraduate students, all supervised by full-time faculty members.

Where do elements, planets, solar systems, stars, galaxies, the Universe, and life, come from? Questions like these fascinate everyone. Theorists at CITA analyze, interpret, and explain the astronomical observations that illuminate such questions, using laboratory-tested physical laws, or as recently seen, new physical laws that the observations require but which laboratory experiments have not been able, so far, to detect. The observational data are supplied by the recent and ongoing explosion in astronomical hardware, including current observatories like the 10-meter class Keck telescope, ALMA, the Hubble space telescope, x-ray, infrared, and ultra-violet space telescopes, and a host of others.

CITA courses are designed for students interested in doing undergraduate research in theoretical astrophysics, and are appropriate for computer science, engineering science, physical sciences and astronomy program students.

CITA works closely with two related academic units, the Department of Astronomy and Astrophysics (DAA) and the Dunlap Institute for Astronomy and Astrophysics (DI). The DAA is engaged in a broad range of research, with an emphasis on observational astronomy. A main focus of DI is on the design and development of astronomical instrumentation. Undergraduate students will find diverse research opportunities through CITA and these two cognate units.

Undergraduate Enquiries: [pen@cita.utoronto.ca](mailto:pen@cita.utoronto.ca) (416-978-6477)

Web site: <http://www.cita.utoronto.ca>

## Canadian Institute for Theoretical Astrophysics Courses

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### CTA200H1 Computational Astrophysics [24L/12T]

Research in theoretical astrophysics encompasses cosmology, galaxy formation and black holes. This course introduces students to modern computational techniques using large scale parallel numerical simulations, carried out at CITA and SciNet. This is an intensive two-week course taught in May.

Prerequisite: MAT135Y1/MAT137Y1/MAT157Y1; (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1) or their equivalent.

Recommended Preparation: Physical science, mathematics and computation, or engineering

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### CTA299Y1 Research Opportunity Program [TBA]

Credit course for supervised participation in faculty research project.

Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Prerequisite: MAT135Y1/MAT137Y1/MAT157Y1; (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1) or their equivalent

Recommended Preparation: Physical science, mathematics and computation, or engineering

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### CTA395Y0 Research Topic [TBA]

Course credit for research under the supervision of a faculty member.

Not eligible for CR/NCR option.

Prerequisite: Completed at least 8.5 FCEs and no more than 14.0 FCEs including courses in AST, CTA200H1, or permission

Distribution Requirement Status: Science

Breadth Requirement: None

### CTA396Y0 Research Topic Abroad [TBA]

Course credit for research or field studies abroad under the supervision of a faculty member. Not eligible for CR/NCR option.

Prerequisite: At least 8.5 FCEs and no more than 14.0 FCEs including courses in AST, CTA200H1, or permission of the instructor

Recommended Preparation: Physical science, mathematics and computation, or engineering

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### CTA495Y1 Independent Topics in Astrophysics [TBA]

A research project done in consultation with an individual staff member in the Institute leading to a detailed written report and oral presentation.

This course is intended primarily for students in the final year of the Astronomy and Physics specialist program, although it is available to students in Engineering Science, Computer Science, or Mathematics. Students must enroll with the Undergraduate Secretary, Prof. Pen. Not eligible for CR/NCR option.

Prerequisite: 1 FCE from PHY324H1, PHY350H1, PHY354H1, PHY356H1, PHY357H1, PHY358H1, PHY395H1, PHY404H1, PHY408H1, AST325H1/AST326Y1, or similar courses in Engineering Science or Mathematics.

Recommended Preparation: Physical science, mathematics and computation, or engineering

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## Faculty

### Professors Emeriti

F.M. Barrett, M Sc, Ph D  
 D.G. Butler, M Sc, Ph D, D Sc, FRSA (ZOO)  
 S.S. Desser, M Sc, Ph D (ZOO)  
 W.G. Friend, B Sc, Ph D (W) (ZOO)  
 M.C. Heath, B Sc, Ph D, FRSC (BOT)  
 J.A. Hellebust, MA, Ph D (BOT)  
 V.J. Higgins, MS, Ph D (BOT)  
 E.W. Larsen, M Sc, Ph D  
 R.A. Liversage, AM, Ph D (ZOO)  
 Y. Masui, M Sc, Ph D (ZOO)  
 T.E. Reed, BA, Ph D (ZOO)  
 P.A. Romans, M Sc, Ph D  
 B.I. Roots, B Sc, Ph D, D Sc, FRSC (ZOO)  
 J.J.B. Smith, MA, Ph D (N)  
 I. Tallan, B Sc, Ph D (ZOO)  
 S.S. Tobe, M Sc, Ph D, FRSC (ZOO)  
 J.P. Williams, B Sc, Ph D (BOT)  
 A.M. Zimmerman, MS, Ph D (ZOO)

### Associate Professor and Chair of the Department

V. Tropepe, B Sc, Ph D

### Professor and Associate Chair

D.S. Guttman, B Sc, Ph D

### Associate Professors and Associate Chairs

D. Desveaux, M Sc, Ph D  
 T.J. Harris, B Sc, Ph D

### Professors

M.G. AbouHaidar, M Sc, Ph D  
 T. Berleth, Diplom, Ph D  
 L.T. Buck, B Sc, Ph D  
 J.R. Coleman, B Sc, Ph D (U)  
 D.R. Goring, M Sc, Ph D  
 D.A. Lovejoy, B Sc, Ph D  
 P. McCourt, B Sc, Ph D  
 J. Peever, M Sc, Ph D  
 N.J. Provard, M Sc, Ph D  
 U. Tepass, M Sc, Ph D, FRSC  
 S.L. Varmuza, MS, Ph D  
 R. Winklbauer, Dipl in Bio, Ph D

### Associate Professors

A. Bruce, BA, Ph D  
 B. Chang, AB, Ph D  
 D. Christendat, B Sc, Ph D  
 D. Godt, Dipl in Bio, Ph D  
 A. Moses, BA, Ph D  
 E. Nambara, M Sc, Ph D  
 M.J. Ringuette, B Sc, Ph D  
 R. Stephenson, B Sc, Ph D  
 M. Woodin, M Sc, Ph D  
 K. Yoshioka, MS, Ph D

### Assistant Professors

J. Mitchell, BA, Ph D  
 S. Pesiajovich, B Sc, Ph D  
 S.V. Plotnikov, M Sc, Ph D

### Senior Lecturer

M. Neumann, M Sc, Ph D

### Lecturer

C. Garside, M Sc, PhD

## Introduction

†Cross-appointed

The study of life, biology, has been transformed in recent decades by powerful new ways of asking fundamental questions about how living organisms work. In particular, molecular approaches are revealing both the incredible complexity of organization at the cellular level, and the underlying principles drawn from chemistry, physics and information science that will eventually enable us to understand that complexity.

The Department of Cell and Systems Biology brings together biologists who study life at the level of molecules to functioning individual organisms. Our undergraduate programs reflect this diversity and research strength. Since cells are the basic units of life, it is important to understand how molecular mechanisms control cells and how cells organize the developmental and physiological processes of whole organisms. These relationships encompass molecular biology (Cell and Molecular Biology Specialist and Major), developmental biology (Developmental Biology Specialist), genetics and physiology (Animal Physiology Major) and their sub-disciplines. These relationships are also complex, requiring studies of dynamic molecular and cellular networks: systems biology. One core component of systems biology is the integration of large datasets arising from the genomics revolution. Computer modeling and bioinformatics are integrated with the study of detailed information about genomes (genomics), the temporal and spatial distribution of all gene transcripts (transcriptomics), cellular proteins and their physical interactions (proteomics), and small molecules that cells assimilate or synthesise (metabolomics) (Genome Biology Major).

Student Counseling and Enquiries:

Associate Chair (Undergraduate): Professor T. Harris (416-946-0873).

Contact the Undergraduate Office, Room 424 in the Ramsay Wright Laboratories (416-978-3477) and consult the departmental web site, [www.csb.utoronto.ca](http://www.csb.utoronto.ca).

## Cell and Systems Biology Programs

### Animal Physiology Major (Science program)

(8 full courses or their equivalent)

Students who have taken BIO150Y1, do not take BIO120H1 and BIO220H1 in this program. Students who have taken BIO240H1 and BIO241H1, do not take BIO130H1 and BIO230H1 in this program.

First Year: BIO120H1, BIO130H1; (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1; JMB170Y1/(MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1/(PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

Higher Years:

1. (BIO220H1, BIO230H1/BIO255H1)
2. BIO270H1, BIO271H1
3. CSB325H1
4. 0.5 FCEs from: CJH332H1; CSB332H1, CSB343H1, CSB346H1
5. 1.5 FCEs (at least 0.5 FCE must be at the 300+level) from: BCH210H1; BIO260H1/HMB265H1; CJH332H1; CSB299Y1, CSB327H1, CSB329H1, CSB330H1, CSB331H1, CSB332H1, CSB343H1, CSB345H1, CSB346H1, CSB348H1, CSB352H1, CSB397Y0; EEB263H1; PSY397H1; STA220H1
6. 0.5 FCE at the 400-level from CSB426H1, CSB432H1, CSB443H1, CSB445H1, CSB447H1, CSB492H1, CSB497H1, CSB498Y1, CSB499Y1; HMB430H1, HMB472H1, HMB496Y1, HMB499Y1; PSL432H1, PSL452H1

**Biology: see Biology**

**Bioinformatics and Computational Biology: see Biochemistry**

## Cell & Molecular Biology Specialist (Science program)

This is a limited enrolment program that can only accommodate a limited number of students. Admission will be determined with a minimum grade of 70% in BIO130H1. If the student does not achieve 70% in BIO130H1, admission can be determined with a minimum grade of 70% in BIO230H1. Achieving these marks does not necessarily guarantee admission to the program in any given year. Enrolment also requires the completion of four courses, including BIO120H1, BIO130H1; (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1; JMB170Y1/(MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1.

(12.5 full courses or their equivalent, including at least one 400-series course)

Students who have taken BIO150Y1, do not take BIO120H1 and BIO220H1 in this program. Students who have taken BIO240H1 and BIO241H1, do not take BIO130H1 and BIO230H1 in this program.

First Year:

BIO120H1, BIO130H1; (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1; JMB170Y1/(MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1.

Higher Years:

1. (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)
2. (BIO220H1, BIO230H1/BIO255H1), (BIO270H1, BIO271H1), BIO260H1/HMB265H1; BCH210H1
3. CSB330H1/CSB350H1, CSB331H1, CSB349H1, CSB428H1/CSB435H1
4. 0.5 FCE from the following: BCH422H1, BCH426H1, BCH445H1, CSB327H1, CSB447H1
5. 3.0 FCEs from the following (at least 0.5 FCE must be at the 400-level): BCH422H1, BCH426H1, BCH440H1, BCH441H1, BCH444H1, BCH445H1, CJH332H1, CSB299Y1, CSB327H1, CSB328H1, CSB329H1, CSB330H1, CSB332H1, CSB340H1, CSB350H1, CSB351Y1, CSB352H1, CSB353H1, CSB397Y0, CSB427H1, CSB428H1, CSB429H1, CSB430H1, CSB431H1, CSB435H1, CSB447H1, CSB450H1, CSB452H1, CSB458H1, CSB459H1, CSB460H1, CSB472H1, CSB473H1, CSB474H1, CSB475H1, CSB490H1, CSB491H1, CSB492H1, CSB497H1, CSB498Y1, CSB499Y1, HMB496Y1/HMB499Y1, MGY480Y1

## Cell & Molecular Biology Major (Science program)

(8 full courses or their equivalent)

Students who have taken BIO150Y1, do not take BIO120H1 and BIO220H1 in this program. Students who have taken BIO240H1 and BIO241H1, do not take BIO130H1 and BIO230H1 in this program.

First Year: BIO120H1, BIO130H1; (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1; JMB170Y1/(MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1/(PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

Higher Years:

1. (BIO220H1, BIO230H1/BIO255H1)
2. BIO260H1/HMB265H1; BCH210H1
3. CSB349H1
4. 1.0 FCE from: CSB327H1, CSB328H1, CSB331H1, CSB340H1, CSB351Y1
5. 1.5 FCE (at least 0.5 FCE must be at the 300+level and 0.5 FCE at the 400-level) from: BCH422H1, BCH426H1, BCH440H1, BCH441H1, BCH444H1, BCH445H1, CJH332H1, CSB299Y1, CSB327H1, CSB328H1, CSB329H1, CSB330H1, CSB331H1, CSB332H1, CSB340H1, CSB350H1, CSB351Y1, CSB352H1, CSB353H1, CSB397Y0, CSB427H1, CSB428H1, CSB429H1, CSB430H1, CSB431H1, CSB435H1, CSB447H1, CSB450H1, CSB452H1, CSB458H1, CSB459H1, CSB460H1, CSB472H1, CSB473H1, CSB474H1, CSB475H1, CSB490H1, CSB491H1, CSB492H1, CSB497H1, CSB498Y1, CSB499Y1, HMB496Y1/HMB499Y1, MGY480Y1. No more than 0.5 FCE in BCH can be used towards this requirement.

NOTE: Students cannot combine a Cell and Molecular Biology Major with a Biochemistry Major.

## Developmental Biology Specialist (Science program)

This is a limited enrolment program that can only accommodate a limited number of students. Admission will be determined with a minimum grade of 70% in BIO130H1. If the student does not achieve 70% in BIO130H1, admission can be determined with a minimum grade of 70% in BIO230H1. Achieving these marks does not necessarily guarantee admission to the program in any given year. Enrolment also requires the completion of four courses, including BIO120H1, BIO130H1; (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1; JMB170Y1/(MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1.

(12.5 full courses or their equivalent, including at least one 400-series course)

Students who have taken BIO150Y1, do not take BIO120H1 and BIO220H1 in this program. Students who have taken BIO240H1 and BIO241H1, do not take BIO130H1 and BIO230H1 in this program.

First Year:

BIO120H1, BIO130H1; (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1; JMB170Y1/(MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1

Higher Years:

1. BCH210H1; (BIO220H1, BIO230H1/BIO255H1), BIO260H1; CHM220H1/CHM247H1/CHM249H1
2. 1.0 FCE from BIO251H1, BIO270H1, BIO271H1
3. CSB349H1
4. CSB328H1, CSB340H1
5. 3.5 (or 2.5\*) courses from: ANA300Y1, ANA301H1; BCH340H1,



BCH370H1, BCH425H1, BCH426H1; CSB327H1, CSB329H1, CSB330H1, CSB331H1, CSB350H1, CSB352H1, CSB397Y0, CSB427H1, CSB435H1, CSB450H1, CSB459H1, CSB460H1, CSB472H1, CSB473H1, CSB474H1, CSB475H1, CSB492H1; EEB340H1, EEB460H1; IMM340H1, IMM350H1, IMM428H1; IMM429H1; MGY425H1, MGY428H1, MGY451H1, MGY452H1, MGY470H1; PSL304H1, PSL305H1, PSL420H1, PSL470H1  
6. 1.0 (or 2.0\*) courses from CSB428H1, CSB429H1, CSB430H1, CSB431H1, CSB458H1, CSB483H1, CSB497H1, CSB498Y1, CSB499Y1; HMB496Y1/HMB499Y1; MGY480Y1

\* Requirements 5. and 6. must include a total of at least 4.5 full courses

**Genome Biology: see Biology**

**Neuroscience: see Human Biology**

## Cell and Systems Biology Courses

### Lab Materials Fee

Some courses in this department have a mandatory Lab Materials Fee to cover non-reusable materials. The fee for each such course is given below in the course description, and will be included on the student's invoice on ACORN.

### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### BIO130H1 Molecular and Cell Biology [36L/15P]

One of the goals of modern biology is to understand how the basic building blocks of life give rise to biological form and function. This course provides students with a common lexicon to understand the key principles and concepts in molecular and cell biology, with a focus on how the building blocks of life lead to functioning cells. (Lab Materials Fee: \$15). Lab coat and safety glasses are required for use in laboratories; students are responsible for purchasing these items (approximate cost is \$25).

Prerequisite: SBI4U and SCH4U (Grade 12 University Preparation Biology and Chemistry) or permission of department. Please contact [bio130@utoronto.ca](mailto:bio130@utoronto.ca) for more information.

Exclusion: BIO240H1, BIO241H1, BIO250Y1, BIO255Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### CSB201H1 Molecular Biology, Biotechnology and You [TBA]

An online course intended to provide non-science students with an understanding of basic concepts in molecular biology and genetics, with particular emphasis on humans. Students will work online in groups on problem sets. The course will end with an introduction to biotechnology, including an opportunity for students to use their new knowledge to explore a real, multi-dimensional problem (e.g., cancer). Lectures will be delivered via the web and mandatory tutorials will require live webinar participation. The final exam will require attendance on the St. George campus. This course does not count towards CSB programs.

Exclusion: BIO130H1, BIO230H1, BIO240H1, BIO250Y1, BIO255H1, BIO255Y1, CSB200Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

Available Online: consult Faculty or Graduate Unit for details

### CSB202H1 Further Exploration in Biotechnology [24L/12T]

Provides non-science students with an additional opportunity to explore biotechnology and its applications in agriculture, the environment, and human health including: drug discovery, aging, and vaccines. Most lectures are viewed online before class and students work in groups during class on problem sets and case studies designed to stimulate further learning, enhance evidence-based reasoning, and promote reflection on the role of biotechnology in society. This course does not count towards CSB programs. CSB201H1 is not a prerequisite for this course.

Exclusion: BIO230H1, BIO240H1, BIO241H1, BIO250Y1, BIO255H1, BIO255Y1, CSB200Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### BIO230H1 From Genes to Organisms [36L/15P]

The genome is the "book of life," providing instructions to construct an organism. This course introduces genome biology and explores how the building blocks of life are networked into functioning organisms. We will investigate how cells perceive internal and external cues, how gene expression is shaped by this perception, and how these events give rise to tissues, organs, and whole organisms. (Lab Materials Fee: \$25). Lab coat and safety glasses are required for use in laboratories; students are responsible for purchasing these items (approximate cost is \$25).

Prerequisite: BIO130H1, (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1

Exclusion: BIO240H1, BIO241H1, BIO250Y1, BIO255H1, BIO255Y1.

Students who have only completed one of BIO240H1 or BIO241H1 can take BIO230H1 for credit.

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### BIO255H1 Cell and Molecular Biology with Advanced Laboratory [36L/33P]

The genome is the "book of life," providing instructions to construct an organism. This course introduces genome biology and explores how the building blocks of life are networked into functioning organisms. We will investigate how cells perceive internal and external cues, how gene expression is shaped by this perception, and how these events give rise to tissues, organs, and whole organisms. The Enhanced Laboratory provides the opportunity for greater laboratory skill development in modern investigative techniques and is intended for students interested in conducting their own laboratory research. (Lab Materials Fee: \$50).

Prerequisite: BIO130H1, (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1, cGPA 3.0

Exclusion: BIO230H1, BIO240H1, BIO241H1, BIO250Y1, BIO255Y1

Recommended Preparation: BCH210H1 (taken concurrently or previously)

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### BIO260H1 Concepts in Genetics [48L/12T]

This is a problem based course which discusses classical, molecular, developmental, and population genetics and genomics with emphasis on model organisms for genetic analysis.

Prerequisite: BIO230H1/BIO240H1/BIO255H1

Exclusion: HMB265H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

# Cell and Systems Biology

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## **BIO270H1 Animal Physiology I [24L/8P]**

The main ideas of physiology and the contribution of experimentation to our understanding of life processes. Uses examples from throughout the animal kingdom, and includes the physiology of homeostasis and the endocrine system. Accompanying laboratories reinforce the concepts introduced in lecture and teach relevant techniques. (Lab Materials Fee: \$10).

Prerequisite: BIO130H1/BIO150Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **BIO271H1 Animal Physiology II [24L/8P]**

The main ideas of physiology and the contribution of experimentation to our understanding of life processes. Uses examples from throughout the animal kingdom, and includes the physiology of the nervous and cardiorespiratory systems. Accompanying laboratories reinforce the concepts introduced in lecture and teach relevant techniques. (Lab Materials Fee: \$10).

Prerequisite: BIO270H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CJH332H1 Neurobiology of the Synapse (Formerly CSB332H1) [24L]**

Examination of all aspects of the synapse in both the peripheral and central nervous systems of invertebrates and vertebrates. Topics include: synapse formation, synaptic transmission, synaptic plasticity, learning and memory, and neurological disorders.

Prerequisite: BIO271H1/PSL300H1

Exclusion: CSB332H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CSB299Y1 Research Opportunity Program**

Credit course for supervised participation in faculty research project.

Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: None

## **CSB325H1 Endocrine Physiology [24L/9T]**

The regulation of physiological processes by hormones and other signalling molecules in non-human chordates. An integrated genes-to-environment approach is used to examine aspects of hormonal evolution, physiological information flow, behaviour and neuroendocrinology, and xenobiotic endocrine disruptors. Students will have the opportunity to research areas of their own interest via group interaction in a series of tutorial sessions.

Prerequisite: BIO270H1, BIO271H1

Recommended Preparation: EEB266H1, EEB267H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CSB327H1 Extracellular Matrix Dynamics and Associated Pathologies [36L]**

Examines the expression, structure and function of the four major classes of ECM macromolecules: collagen, proteoglycans, non-collagenous structural proteins and glycoproteins. In addition to forming elaborate networks that give tissues and organs their unique architectural design and biomechanical properties, ECM molecules act as potent regulators of all cellular activities. Emphasis is placed on the morphoregulatory contribution(s) of ECM molecules to normal and pathological development.

Prerequisite: BIO230H1/(BIO240H1, BIO241H1)/BIO255H1

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Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CSB328H1 Developmental Biology [24L/24P]**

Basic concepts in developmental biology. Early development of invertebrates and vertebrates will be discussed with emphasis on experimental and molecular analysis of developmental mechanisms. Tutorials demonstrate examples of descriptive and experimental embryology and discuss primary literature of selected topics in developmental biology. (Lab Materials Fee: \$25).

Prerequisite: BIO230H1/(BIO240H1, BIO241H1)/BIO255H1, BIO260H1/HMB265H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CSB329H1 Stem Cell Biology: Developmental Models and Cell-based Therapeutics [24L]**

Stem cells provide the basis for cellular diversity in multicellular organisms and have enormous therapeutic potential in regenerative medicine. The course will introduce students to the differences and similarities between stem cells from different organisms, their roles throughout development and therapeutic potentials.

Prerequisite: BIO230H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CSB330H1 Techniques in Molecular and Cell Biology [8L/52P]**

Laboratory course on molecular and cell biology research techniques used to study genes and proteins. Topics include plasmid cloning, PCR, bioinformatics, gene expression analyses, protein-protein interactions, and protein subcellular localization. (Lab Materials Fee: \$50).

Prerequisite: BIO230H1/(BIO240H1, BIO241H1)/BIO255H1, BIO260H1/HMB265H1

Recommended Preparation: BCH311H1/CSB349H1/MGY311Y1 taken concurrently

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CSB331H1 Advanced Cell Biology I: Cellular Dynamics During Development [36L]**

The development of multicellular organisms is dependent on complex cell-cell and cell-matrix dynamics. The course examines the molecules and mechanisms involved and how they act in concert to regulate distinct developmental and physiological events. Emphasis is placed on the experimental approaches and technology used to study the molecular interactions and dynamics that alter structure-function relationships in cells and organisms.

Prerequisite: BIO230H1/(BIO240H1, BIO241H1)/BIO255H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CSB340H1 Plant Development [24L]**

Plant developmental genetics at the molecular, cellular and organismal level, generation and use of genomic resources in plant model organisms. Questions address the genetic dissection of plant embryo and meristem development, plant stem cell specification and tissue patterning. Genomic approaches applicable to plant biotechnology are also covered.

Prerequisite: BIO230H1/(BIO240H1, BIO241H1)/BIO255H1, BIO260H1/(HMB265H1 with a minimum grade of 73%)

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CSB343H1 Animal Energetics [24L]**

Animal structure and function, at all levels from molecule to whole animal, are dependent on energy. This course describes how the supply, consumption, transformation, exchange and storage of energy can facilitate, constrain and limit animal function. Emphasis is placed on systems level physiological function and whole animal performance. Prerequisite: (BIO270H1, BIO271H1)/(PSL300H1, PSL301H1) Recommended Preparation: BCH210H1/BCH242Y1 Distribution Requirement Status: Science Breadth Requirement: Living Things and Their Environment (4)

## **CSB345H1 Introductory Biology of Sleep [24L]**

An introduction to the regulation of sleep-wake states and the functions of sleep - why and how animals sleep. Integrates all levels of biological organization, including molecular biology, cell biology, systems physiology, control theory, behaviour and evolution, with comparisons across phyla. Prerequisite: (BIO270H1, BIO271H1)/(PSL300H1, PSL301H1) Distribution Requirement Status: Science Breadth Requirement: Living Things and Their Environment (4)

## **CSB346H1 Neurobiology of Respiration [24L/12T]**

Integrated control of cardio-respiratory physiology and metabolism in mammals. Topics include exercise, diving, sleep and hibernation. Prerequisite: (BIO270H1, BIO271H1)/(PSL300H1, PSL301H1) Distribution Requirement Status: Science Breadth Requirement: Living Things and Their Environment (4)

## **CSB348H1 Laboratory in Comparative Animal Physiology [12L/36P]**

Experimental approaches to understanding the regulation of physiological functions in vertebrates and invertebrates. Emphasis will be directed towards examining the fundamental characteristics humans share with all animal life and also the physiological adaptations that have permitted species to exploit alternative environmental niches. (Lab Materials Fee: \$50) Prerequisite: BIO270H1, BIO271H1 Exclusion: PSL372H1 Distribution Requirement Status: Science Breadth Requirement: Living Things and Their Environment (4)

## **CSB349H1 Eukaryotic Gene Expression [30L/18T]**

Genome structure and the regulation of gene expression in eukaryotic cells. Topics include gene duplication, repetitive DNA, transcription, gene silencing and regulation, expression profiling, and nuclear reprogramming. Tutorials emphasize problem based learning exercises that relate to recent advances in the broad field of eukaryotic gene expression. Prerequisite: BIO230H1/(BIO240H1, BIO241H1)/BIO255H1, BIO260H1/HMB265H1 Exclusion: MGY311Y1, MGY420H1 Recommended Preparation: BCH210H1 Distribution Requirement Status: Science Breadth Requirement: Living Things and Their Environment (4)

## **CSB350H1 Laboratory in Molecular Plant Biology [24L/36P]**

Laboratory methods used in plant molecular biology research. Topics include vector construction, plant transformations, PCR, DNA blots, high-throughput screens, genetic mapping, and bioinformatic analyses. (Lab Materials Fee: \$50). Lab coat and safety glasses are required for use in laboratories; students are responsible for purchasing these items (approximate cost is \$25). Prerequisite: BIO230H1/(BIO240H1, BIO241H1)/BIO255H1 Recommended Preparation: BIO251H1 or higher level plant biology

course; BCH311H1/CSB349H1/MGY311Y1 concurrently Distribution Requirement Status: Science Breadth Requirement: Living Things and Their Environment (4)

## **CSB351Y1 Introductory Virology [48L/48T]**

An introduction to basic and medical virology. What you should know about viruses and the diseases they cause. Tutorials are optional. Prerequisite: BIO230H1/BIO240H1/BIO241H1/BIO255H1 Distribution Requirement Status: Science Breadth Requirement: Living Things and Their Environment (4)

## **CSB352H1 Bioinformatic Methods [6L/18P]**

Use of available programs for analyzing biological data. This is an introductory course with a strong emphasis on hands-on methods. Some theory is introduced, but the main focus is on using extant bioinformatics tools to analyze data and generate biological hypotheses. Prerequisite: BIO230H1/(BIO240H1, BIO241H1)/BIO255H1, BIO260H1/HMB265H1 Distribution Requirement Status: Science Breadth Requirement: Living Things and Their Environment (4)

## **CSB353H1 Introduction to Plant-Microbe Interactions [24L]**

Plants have co-evolved with microbes ever since their first appearance on land, resulting in sophisticated strategies of pathogenicity, symbiosis, commensalisms and mutualism. This course presents an overview of these strategies with examples of bacteria, fungi, oomycetes and viruses that have evolved intimate associations with plants, and discusses plant immune systems. Prerequisite: BIO230H1/(BIO240H1, BIO241H1)/BIO255H1 Exclusion: CSB452H1 Recommended Preparation: BIO251H1 Distribution Requirement Status: Science Breadth Requirement: Living Things and Their Environment (4)

## **CSB397Y0 Research Abroad in Cell & Systems Biology [TBA]**

An independent research project conducted in a cell biology, developmental biology, plant biology, neurophysiology, or systems biology research lab in an approved partner university. The laboratory research is supervised by a faculty member at the partner institution. Not eligible for CR/NCR option. Prerequisite: BIO230H1/BIO255H1/BIO271H1 with a minimum grade of 73%; permission of the CSB Undergraduate Associate Chair Distribution Requirement Status: Science Breadth Requirement: Living Things and Their Environment (4)

## **CSB398H0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Distribution Requirement Status: Science Breadth Requirement: None

## **CSB399Y0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option. Distribution Requirement Status: Science Breadth Requirement: None

# Cell and Systems Biology

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## **CSB426H1 Physiology of Stress and Reproduction [12L/24S]**

Students will gain an integrated understanding of how organismal and cellular stress affects the process of reproduction. The focus will be primarily on chordates and will examine genetic, cellular, organismal, behavioural, and social levels of interaction.

Prerequisite: Minimum grade of 73% in CSB325H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CSB427H1 Drosophila as a Model in Cancer Research [12L/12T/12S]**

Use of the genetic model organism *Drosophila* in biomedical research with specific emphasis on cancer research. Students will read, discuss and present classical papers and current literature in the field to enhance their ability to critically evaluate the primary scientific literature.

Prerequisite: BIO260H1/HMB265H1, two of

CSB328H1/CSB331H1/CSB349H1/MGY350H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CSB428H1 Advanced Cell Biology II: Cell Polarity and Cytoskeletal Dynamics [12L/12T/12S]**

This advanced course covers cell polarity and cytoskeletal dynamics emphasizing current literature. For each topic, the course examines (1) the proteins involved, (2) their interactions and regulation, and (3) how they organize specific cellular structures. The coordination of these complexes required for orchestrating complex cellular processes are addressed.

Prerequisite: Minimum grade of 73% in

BCH311H1/CSB349H1/MGY311Y1, minimum grade of 73% in

CSB328H1/CSB331H1/CSB340H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CSB429H1 Germ Cell Biology [12L/12T/12S]**

This course will discuss the genetic and cell biological aspects of the development of gametes, gonads, and sex related traits in animals, including invertebrates and vertebrates. In the accompanying seminar, primary literature is used to discuss selected topics in germ cell biology. Not recommended for students with fewer than 14 FCE's.

Prerequisite: Minimum grade of 77% in

CSB328H1/CSB340H1/CSB349H1/MGY311Y1/MGY312H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CSB430H1 Neurogenesis [24L/12T]**

An examination of the molecular and cellular basis of neurogenesis in development and adult nervous systems. Experimental evidence from recent studies in selected invertebrate and vertebrate model systems will be discussed. Topics include neural stem cells, regional specialization of neurogenesis, neuronal and glial differentiation, extrinsic regulation of neurogenesis, adult neurogenesis, and the evolution of neurogenesis. Students are expected to have a basic knowledge of molecular genetics, developmental biology and/or neuroanatomy. Lectures will be complemented by student directed seminars that focus on specialized research studies published in leading scientific journals.

Prerequisite: BIO260H1/HMB265H1,

CSB328H1/CSB349H1/(HMB200H1, HMB320H1)

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CSB431H1 Evolution and Development: Gastrulation [12L/12T/12S]**

Gastrulation is used to examine the molecular and cellular mechanisms of a major morphogenetic process and its evolutionary modifications.

This course includes small group discussions and presentations.

Controversial issues presented in the lectures are debated.

Prerequisite: CSB328H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CSB432H1 Advanced Topics in Cellular Neurophysiology [12L/24S]**

This course examines cellular neurophysiological processes in the developing and mature nervous systems with a focus on: (1) understanding modern techniques used in neurophysiological research; and (2) interpreting the results from neurophysiological peer-reviewed manuscripts. This course is interactive and requires students to contribute actively during lectures and seminars, including conducting a group presentation.

Prerequisite: CJH332H1/CSB332H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CSB435H1 Regulatory Networks and Systems in Molecular Biology [24L]**

This course will expose students to several of the best-understood regulatory networks in molecular biology, as well as recent technological and methodological developments. Emphasis is on the mechanistic basis for these systems, methods and models for quantitative analysis of regulatory networks and the biological logic they encode.

Prerequisite: BCH311H1/CSB349H1/MGY311Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CSB443H1 Homeostasis [6L/30S]**

This integrative physiology course focuses on active and passive mechanisms maintaining cellular and organismal function. Students debate current research and controversies in homeostasis, allostasis and performance. Emphasis is on critical evaluation of concepts, assumptions, data and interpretations. This course is interactive, and students are expected to contribute to class activities.

Prerequisite: CJH332H1/CSB325H1/CSB332H1/CSB343H1/CSB346H1 or permission of instructor

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CSB445H1 Topics in Sleep Research [6L/30S]**

Covers theories on the biological function of sleep-wake states. By means of in-depth study of primary research papers, the course focuses on sleep-related function at all levels of biological organization - from molecular biology through systems physiology to behaviour and evolutionary ecology. This course emphasizes student participation in seminar discussion and debates.

Prerequisite: (BIO270H1, BIO271H1)/(PSL300H1, PSL301H1)

Recommended

Preparation: CJH332H1/CSB332H1/CSB345H1/PSY397H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CSB447H1 Living Without Oxygen: Microbes to Mammals [18L/18S]**

In-depth examination of the unique cellular adaptations of different organisms and tissues to survival in low oxygen environments. Cellular, physiological and biochemical strategies, and systemic and whole organism responses will be investigated to uncover broad-ranging common strategies employed by diverse organisms to live without oxygen and in other stressful environments.

Prerequisite: (BIO270H1, BIO271H1)/(PSL300H1, PSL301H1)

Exclusion: CSB347H1, NUS348H0

Recommended Preparation: BCH210H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CSB450H1 Proteomics in Systems Biology [24L]**

A discussion on current proteomic approaches to understand biological processes. The role of mass spectrometry, gel electrophoresis, protein-protein interaction and structural biology in understanding how proteins function in pathways and interaction networks will be discussed.

Prerequisite: BIO230H1/(BIO240H1, BIO241H1)/BIO255H1, BCH210H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CSB452H1 Molecular Plant-Microorganism Interactions [24L]**

This course explores the molecular strategies that microbes and plants have evolved to live with each other. The variety of strategies will be summarized with emphasis on the molecular mechanisms of pathogenic relationships.

Prerequisite: BCH311H1/CSB349H1/MGY311Y1

Recommended Preparation: CSB353H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CSB458H1 Epigenetics [36S]**

A seminar course exploring non-Mendelian phenomena in plants, fungi and animals that reveal aspects of genome organization and regulation that may provide insight into genome function and evolution.

Prerequisite: BIO260H1/HMB265H1, CSB349H1/MGY311Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CSB459H1 Plant Molecular Biology and Biotechnology [24L]**

This course introduces students to major features of gene expression and signal transduction in plants. Topics include strategies for generating transgenic plants and regulating gene expression, as well as the importance of signal transduction in plant growth and survival. How plants sense and respond at the molecular level to environmental stresses such as drought, salinity, cold and disease will be discussed. The application of this basic scientific information in biotechnological strategies for improving agronomic traits will also be addressed.

Prerequisite: BCH311H1/CSB349H1/MGY311Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CSB460H1 Plant Signal Transduction [24L]**

Plant development, ecological adaptation and crop plant productivity depend on the sophisticated potential of plants to sense and compute signals to regulate their responses. An arsenal of genetic and genomic tools is employed to elucidate these plant signal transduction pathways. Examples from the original literature will be used to introduce general concepts of plant signal transduction, molecular biology and genomics and their application in understanding and influencing plant growth and development.

Prerequisite: BCH311H1/CSB349H1/MGY311Y1 or permission of instructor

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CSB472H1 Computational Genomics and Bioinformatics [24L/12T]**

Computational analyses of DNA and RNA expression data.

Understanding biological databases, sequence alignment, sequence annotation, gene prediction, computational analysis of function, motif analysis, phylogenetic analysis, and gene expression profiling analysis. Applied, theoretical and statistical issues will be addressed.

Prerequisite: BIO230H1/(BIO240H1, BIO241H1)/BIO255H1

Recommended Preparation: BIO260H1/HMB265H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CSB473H1 Chemical Genomics [24L]**

This course surveys the field of Chemical Genomics, focusing on the analysis of biological problems using chemical approaches. Topics covered include chemical genetics, combinatorial chemistry and combinatorial strategies in molecular biology. Examines both the underlying biological and chemical concepts; however, the focus is primarily biological.

Prerequisite: BIO230H1/(BIO240H1, BIO241H1)/BIO255H1, BIO260H1/HMB265H1, CHM247H1

Recommended Preparation: BCH210H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CSB474H1 Methods in Genomics and Proteomics [48P]**

This is a hands-on, laboratory based course offered through the Centre for the Analysis of Genome Evolution and Function (CAGEF). It will teach students how to produce and analyze data that are central to the fields of genomics and proteomics. Techniques taught include DNA and RNA extraction, PCR, DNA sequencing, quantitative PCR, transcript profiling using microarrays, 2D-gel proteome analysis, and associated bioinformatics analyses. (Lab Materials Fee: \$50). A lab coat is required for use in laboratories; students are responsible for purchasing this (approximate cost is \$16).

Prerequisite: BIO260H1/HMB265H1, BIO255H1/CSB330H1/CSB350H1 or by permission of the instructor

Recommended Preparation: BCH311H1/CSB349H1/MGY311Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CSB475H1 Plant Metabolomics [24L]**

This course introduces students to major features of plant metabolism. The content covers plant physiology, natural product chemistry, genetics, molecular biology, and genomics. Topics also include strategies for designing how we modulate metabolic pathways and how we utilize plants for biotechnology through metabolic engineering.

Prerequisite: BCH311H1/CSB349H1/MGY311Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CSB483H1 Seminar in Development [24S]**

Seminars analyzing major concepts in developmental biology from quantitative, physics-based and molecular perspectives.

Prerequisite: CSB328H1/CSB340H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

# Cell and Systems Biology

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## **CSB490H1 Team-Based Learning: Current Topics in Cell and Molecular Biology [8L/16S]**

A team-based learning course with emphasis on questions in the fields of protein biochemistry, synthetic biology, and the evolution of proteins and networks of protein-protein interactions. Lectures and seminars will focus on current research topics within these fields and will provide the background knowledge for students to work in teams to explore the primary research literature, and for each team to develop a formal research proposal. For details on this year's content, please go to [www.csb.utoronto.ca/undergraduate/courses/400](http://www.csb.utoronto.ca/undergraduate/courses/400).

Prerequisite: BIO260H1/HMB265H1, CSB330H1/CSB349H1/CSB352H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CSB491H1 Team-Based Research: Research in Cell and Molecular Biology [TBA]**

CSB491H1 will build on the team-based learning approaches learned in CSB490H1 to develop the laboratory and team-work skills needed to succeed in the workplace, particularly the multi-disciplinary environment that characterizes modern biological research. CSB491H1 is a team-based research course with emphasis on questions in the fields of protein biochemistry, enzymology, structural biology, metabolic engineering and protein-protein interaction. Students will form semester-long laboratory research teams to evaluate hypotheses that were developed into a research proposal in CSB490H1.

Prerequisite: CSB490H1 with a minimum grade of 77% and approval of the instructor

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CSB492H1 Advanced Topics in Cell and Systems Biology [24L]**

This advanced course covers topics in cell and systems biology at all levels of biological organization. Students learn about the wide array of state-of-the-art molecular, genomic, proteomic, cell biological, imaging, physiological and computational tools and methods that researchers use to study the behaviour of cells.

Prerequisite: CSB325H1/CSB349H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CSB497H1 Independent Research in Cell and Systems Biology I [TBA]**

An original research project (a literature review alone is not sufficient) requiring the prior consent of a member of the Department to supervise the project. The topic is to be mutually agreed upon by the student and supervisor. They must arrange the time, place, and provision of any materials and submit to the Undergraduate Office a signed form of agreement outlining details prior to being enrolled. In the Fall or Winter sessions, a commitment of 8-10 hours per week is expected for research and related course activities. In the Summer Session, the number of hours doubles (16-20 per week) as the length of the term is halved.

Many students spend more than this amount of time as they become immersed in their project. This course is normally open only to fourth year students with adequate background in Cell and Systems Biology. Course requirements include a final report, and either an oral presentation (Summer and Fall sessions) or a poster presentation (Winter session). Monthly workshops are scheduled and highly recommended. Details for enrollment are available at

<http://csb.utoronto.ca/undergraduate-studies/undergraduate-courses/undergraduate-course-level-400/>. (Lab Materials Fee: \$50). Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CSB498Y1 Independent Research in Cell and Systems Biology I [TBA]**

An original research project (a literature review alone is not sufficient) requiring the prior consent of a member of the Department to supervise the project. The topic is to be mutually agreed upon by the student and supervisor. They must arrange the time, place, and provision of any materials and submit to the Undergraduate Office a signed form of agreement outlining details prior to being enrolled. In the Fall/Winter session, a commitment of 8-10 hours per week is expected for research and related course activities. In the Summer session, the number of hours doubles (16-20 per week) as the length of the term is halved. This course is normally open only to fourth year students with adequate background in Cell and Systems Biology. Course requirements include a final report and either an oral presentation (Summer session) or a poster presentation (Fall/Winter session). Monthly workshops are scheduled and highly recommended. Details for enrollment are available at <http://csb.utoronto.ca/undergraduate-studies/undergraduate-courses/undergraduate-course-level-400/>. (Lab Materials Fee: \$50). Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CSB499Y1 Independent Research in Cell and Systems Biology II [TBA]**

Allows students to do a second independent project. Operates in the same manner as CSB497H1/CSB498Y1. (Lab Materials Fee: \$50). Not eligible for CR/NCR option.

Prerequisite: CSB497H1/CSB498Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## Faculty

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### Professor and Director

S. Akbari, BA, MA, MPH, PhD

## Introduction

The Centre for Medieval Studies provides a course in the thousand-year period from the Fall of Rome to the Fall of Constantinople, and beyond. Students can expect to cross the disciplinary boundaries of history, art, literature, philosophy, religion, and history of science, focusing not only on Europe but on the broader Mediterranean and North Sea regions.

The course opens up the Centre for the first time to undergraduate students and provides a valuable humanities breadth experience for students who want to experience the culture, poetry, and art of the Middle Ages, as well as medieval music and drama performance and manuscript studies.

## Centre for Medieval Studies Courses

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### **MST200Y1 Getting Medieval: The Many Middle Ages [48L/24T]**

Introduction to the sound, sight, and touch of the distant past, telling the story of the Middle Ages through objects from animal skin parchment to enameled icon. A series of lectures by senior faculty is complemented by hands-on learning in weekly tutorials, along with medieval drama and music performance.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

## Faculty

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### University Professor Emeritus

J.B. Jones, B Sc, Ph D, D Phil, FRSC, FCIC

### Professors Emeriti

I.G. Csizmadia, Dip Eng, M Sc, Ph D  
A.G. Harrison, M Sc, Ph D, FCIC  
R.A. McClelland, B Sc, Ph D, FRSC (University of Toronto Scarborough)  
S. McLean, B Sc, Ph D, FCIC  
M. Menzinger, Dip Eng, M Sc, Ph D (SM)  
W.F. Reynolds, M Sc, Ph D  
E.A. Robinson, B Sc, Ph D, D Sc (University of Toronto Mississauga)  
I.W.J. Still, B Sc, Ph D, D Sc (University of Toronto Mississauga)  
T.T. Tidwell, B Sc, AM, Ph D, FRSC (University of Toronto Scarborough)  
J.P. Valteau, MA, Ph D (I)  
S.G. Whittington, MA, Ph D (T)

### Senior Lecturers Emeriti

S. Skonieczny, D Sc, Ph D  
H. O. Ohorodnyk, M Sc

### Professor and Chair of the Department

R.A. Batey, BA, Ph D

### Associate Professor and Associate Chair (Graduate)

J.G. Murphy, B Sc, Ph D

### Professor and Associate Chair (Undergraduate)

M. Nitz, B Sc, Ph D

### University Professors

P.W. Brumer, B Sc, Ph D, FRSC  
E. Kumacheva, M Sc, Ph D, FRSC  
M. Lautens, B Sc, Ph D, OC, FCIC, FRSC (T)  
R.J.D. Miller, B Sc, Ph D, FRSC, FCIC  
G.A. Ozin, B Sc, D Phil, FRSC, FCIC  
J.C. Polanyi, M Sc, Ph D, D Sc, FRS, FRSC, FRSEd  
M.A. Winnik, BA, Ph D, FRSC, FCIC

### Professors

J.P. Abbatt, B Sc, Ph D, FRSC  
J. Chin, M Sc, Ph D  
D.J. Donaldson, B Sc, Ph D (University of Toronto Scarborough)  
M.C. Goh, BS, Ph D (U)  
R.E. Kapral, B Sc, Ph D, FRSC  
R.H. Kluger, AM, Ph D, FCIC, FRSC  
H.B. Kraatz, Ph D (University of Toronto Scarborough)  
U.J. Krull, B Sc, Ph D, FCIC (University of Toronto Mississauga)  
S.A. Mabury, BS, Ph D (U), FRSC  
P.M. Macdonald, M Sc, Ph D (University of Toronto Mississauga)  
R.H. Morris, B Sc, Ph D, FRSC, FCIC  
J.M. Schofield, BA, Ph D  
A.J. Simpson, B Sc, Ph D (University of Toronto Scarborough)  
M.J. Simpson, B Sc, Ph D (University of Toronto Scarborough)  
D.W. Stephan, B Sc, Ph D, FCIC, FRSC, FRSC(UK), FRS  
M. Thompson, B Sc, Ph D, D Sc, FRSC, FCIC  
G. Walker, BA, Ph D

F. Wania, B Sc, Ph D (University of Toronto Scarborough)  
A. Wheeler, B Sc, Ph D  
G.A. Woolley, B Sc, Ph D  
A. Yudin, BS, Ph D  
D.B. Zamble, B Sc, Ph D

### Associate Professors

A. Dhirani, M Sc, Ph D  
U. Fekl, M Sc, Ph D (University of Toronto Mississauga)  
S.J. Fraser, BA, Ph D (University of Toronto Scarborough)  
P. Gunning, B Sc, Ph D (University of Toronto Mississauga)  
R.A. Jockusch, BA, Ph D  
V. Kanelis, B Sc, Ph D (University of Toronto Mississauga)  
K. Kerman, M Sc, Ph D (University of Toronto Scarborough)  
D.R. McMillen, MA Sc, Ph D (University of Toronto Mississauga)  
R.S. Prosser, M Sc, Ph D (University of Toronto Mississauga)  
D.S. Seferos, B Sc, Ph D  
D. Segal, B Sc, Ph D  
J.A. Shin, AB, Ph D (University of Toronto Mississauga)  
D. Song, B Sc, Ph D  
M.S. Taylor, B Sc, Ph D  
X. Zhang, M Sc, Ph D (University of Toronto Scarborough)

### Assistant Professors

A.F. Izmaylov, M Sc, Ph D (University of Toronto Scarborough)  
S. Rousseaux, B Sc, Ph D  
M. Wilson, M Sc, Ph D

### Associate Professors, Teaching Stream

C.S. Browning, M Sc, Ph D (SM)  
S. Dalili, M Sc, Ph D, (University of Toronto Scarborough)  
A.P. Dicks, B Sc, Ph D (SM)  
C.M. Kutas, B Sc, MA  
D. F. McIntosh, B Sc, Ph D  
P.A.E. Piunno, M Sc, Ph D, (University of Toronto Mississauga)  
J. C. Poë, ARCS, M Sc, DIC, FCIC (University of Toronto Mississauga)  
W. Restivo, B Sc, (University of Toronto Scarborough)  
E. Sauer, B Sc, Ph D, (University of Toronto Scarborough)  
D.C. Stone, B Sc, Ph D

### Assistant Professors, Teaching Stream

J. D'eon, B Sc, Ph D  
L. Mikhaylichenko, M Sc, Ph D, (University of Toronto Scarborough)  
B. Morra, B Sc, Ph D

### Lecturers

A. Hadzovic, Ph D. (University of Toronto Scarborough)  
K. Quinlan, B Sc, Ph D  
M. Staikova, M Sc, Ph D  
J. Strautmanis, Ph D (University of Toronto Mississauga)

## Introduction

Chemistry is a challenging intellectual pursuit and a dominant force in shaping our civilization. Chemistry places strong emphasis on an understanding of the structures and properties of individual atoms and molecules, and on using this understanding to interpret and predict the behaviour of matter. Many of the concepts of physics, and the methods of mathematics, are basic to chemistry. Chemistry is of fundamental importance to many other subjects including astrophysics, biological sciences, environmental science, geology, materials science, and medical sciences. These and other aspects of the subject are reflected in



the courses offered, and the programs recommended by the Department.

The Department has made extensive changes to its course and program offerings in the last few years. These changes included a revision of first year courses, substantial modifications to later-year courses, and the introduction of updated specialist programs in Biological Chemistry, Materials Chemistry, Environmental Chemistry, and Synthetic & Catalytic Chemistry. Opportunity also exists to undertake a Nanoscience minor in collaboration with the National University of Singapore.

Students can choose between two first year options according to their intended area of specialization.

CHM151Y1 is the course that is strongly recommended for students who will be following one of the specialist programs involving chemistry, including Biological Chemistry and Environmental Chemistry or who will be including a substantial amount of chemistry in their degree (such as those following a chemistry major program). CHM151Y1 features a unique Course Community which significantly supports and enhances the student learning experience.

The combination of CHM135H1 and CHM136H1 is recommended for students who intend to take programs in the Life or Health Sciences that do not require a large amount of chemistry.

The outlines of these first year courses, together with those for later-year offerings, are shown in this Calendar. More detailed information is available from the Department, and is posted at [www.chem.utoronto.ca/undergrad/courseinfo.php](http://www.chem.utoronto.ca/undergrad/courseinfo.php).

Incoming first year students may find more information about the first year chemistry courses at [http://www.chem.utoronto.ca/undergrad/incoming\\_students.php](http://www.chem.utoronto.ca/undergrad/incoming_students.php). The self-assessment test can be a useful tool to measure their understanding of fundamental chemistry concepts from high school.

Students who are following programs that contain a substantial number of chemistry courses are strongly advised to take courses in the proper year (i.e. 200-series in second year, etc.). Following the correct sequence will enhance the level and balance of preparation for all later year courses, and timetable conflicts will be avoided.

Students whose current programs may be affected by the introduction of new or revised chemistry courses are advised to consult the Department at the earliest possible opportunity.

Students requiring more information about Chemistry programs and courses are invited to visit or phone the Undergraduate Office, Lash Miller Chemical Laboratories, Room 151 (416-978-6033).

## Chemistry Programs

### Biological Chemistry Specialist (Science program)

Consult Professor G. A. Woolley, Department of Chemistry.

Biological Chemistry examines Nature at the molecular level by using a combination of synthetic, inorganic, analytical and physical chemistry as well as the tools of molecular biology and biochemistry. This program provides the setting to understand the chemical reactions and interactions that occur in biological processes, as well as how chemical strategies can be used to control these systems. This program includes sufficient flexibility to allow focus in areas such as bioinorganic, bioorganic, biophysical or medicinal chemistry. Students graduating from this program will be prepared for career paths in the biotechnology, biomedical and pharmaceutical sectors, as well as for research and

teaching in related areas of chemistry and biology. This program is accredited by the Canadian Society for Chemistry.

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required courses will be eligible to enrol. Consult the Arts & Science Program Enrolment web site at <http://www.artsci.utoronto.ca/current/program> for details.

Courses for admission: CHM135H1/CHM139H1 and CHM136H1/CHM138H1 or CHM151Y1 with a minimum mark of 63%.

(14 full courses or their equivalent, including at least three 400-series courses)

First Year: BIO120H1, BIO130H1; CHM151Y1 (strongly recommended)/(CHM135H1/CHM139H1, CHM136H1/CHM138H1); (MAT135H1, MAT136H1)/ MAT137Y1

First or Second Year: (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

Second and Higher Years:

1. BCH210H1; BIO230H1/BIO250Y1; CHM217H1, (CHM220H1/CHM222H1, CHM221H1/CHM223H1)/CHM225Y1, CHM238Y1, (CHM249H1 strongly recommended)/CHM247H1
2. CHM347H1, CHM348H1, CHM379H1.
3. At least 1.0 credit from the following: CHM317H1, CHM327H1, CHM338H1, CHM343H1, CHM410H1, CHM499Y1
4. Further 300/400-series courses in BCH or CHM, including CHM437H1, CHM447H1, and CHM479H1 to make a total of 14 full courses. CSB450H1 is also acceptable.

NOTE: Please read prerequisites and exclusions carefully, particularly the minimum mark requirement of 63% in chemistry courses. All prerequisites must be fully completed before a course can be taken. Courses that are prerequisites cannot be taken simultaneously with the courses for which they are a prerequisite (i.e., they are not "co-requisites"). Students from other institutions must show their transcripts to the department if they are using prior courses as prerequisites. The same rules apply.

### Chemical Physics Specialist (Science program)

Consult Professor J. Schofield, Department of Chemistry.

Chemical Physics aims to explain structure and dynamics of molecular and bulk systems in terms of atomic and molecular interactions. Sub-disciplines and specialized topics include reaction dynamics, spectroscopy, optical control of molecular processes, nanoscale science, surface chemistry, theoretical and experimental studies of soft systems (polymers, liquids, biological systems), quantum control and quantum information sciences. The Chemical Physics program will provide students with a solid grounding in physical chemistry, and will prepare students for careers in experimental and theoretical physical sciences, in academia or in research development for companies.

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required courses will be eligible to enrol. Consult the Arts & Science Program Enrolment web site at <http://www.artsci.utoronto.ca/current/program> for details.

Courses for admission: CHM135H1/CHM139H1 and CHM136H1/CHM138H1 or CHM151Y1 with a minimum mark of 63%.

(14 full courses or their equivalent, including at least 1.5 400-series courses)

First Year: (CHM151Y1 strongly recommended)/(CHM135H1/CHM139H1, CHM136H1/CHM138H1),

# Chemistry

(MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1; (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

Higher Years:

1. APM346H1; (CHM222H1, CHM223H1)/CHM225Y1, CHM326H1, CHM327H1, CHM328H1; MAT223H1/MAT240H1, MAT235Y1/MAT237Y1, MAT244H1, MAT334H1; PHY250H1, PHY254H1, PHY354H1, PHY350H1; CHM423H1/PHY356H1
2. Two full course equivalents from CHM217H1, CHM238Y1, (CHM249H1 strongly recommended)/CHM247H1, CHM310H1, CHM317H1, CHM338H1, CHM348H1, CHM415H1
3. Further 400-series half-courses in CHM/PHY to make a total of 14 full courses

NOTE: Please read prerequisites and exclusions carefully, particularly the minimum mark requirement of 63% in chemistry courses. All prerequisites must be fully completed before a course can be taken. Courses that are prerequisites cannot be taken simultaneously with the courses for which they are a prerequisite (i.e., they are not "co-requisites"). Students from other institutions must show their transcripts to the department if they are using prior courses as prerequisites. The same rules apply.

## Chemistry Specialist (Science program)

Consult Associate Chair, Undergraduate Studies, Department of Chemistry.

The Chemistry Specialist Program provides a broad coverage of the core areas of chemistry together with appropriate courses in mathematics and physics during the first three years, and allows students to follow a particular area of interest or a more general program in fourth year. The program is suitable for professional work in any area of chemistry and for entry into graduate school to continue work in any of the sub-fields of chemistry, provided that appropriate options are chosen in fourth year. This program is accredited by the Canadian Society for Chemistry.

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required courses will be eligible to enrol. Consult the Arts & Science Program Enrolment web site at <http://www.artsci.utoronto.ca/current/program> for details.

Courses for admission: CHM135H1/CHM139H1 and CHM136H1/CHM138H1 or CHM151Y1 with a minimum mark of 63%.

(14 full courses or their equivalent, including at least three 400-series courses)

First Year: (CHM151Y1 strongly recommended)/(CHM135H1/CHM139H1, CHM136H1/CHM138H1); (MAT135H1, MAT136H1)/MAT137Y1; (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

Second Year: CHM217H1, (CHM220H1/CHM222H1, CHM221H1/CHM223H1)/CHM225Y1, CHM238Y1, CHM249H1; MAT235Y1/MAT237Y1

Third and Fourth Years:

1. BCH210H1, CHM326H1/CHM328H1, CHM327H1
2. Further 300/400-level full course equivalents in CHM/MAT/another science, including at least three of CHM317H1, CHM338H1, CHM343H1, CHM379H1, CHM410H1, CHM499Y1 and at least three 400-level CHM full course equivalents to make a total of 14 full courses.

NOTE: Please read prerequisites and exclusions carefully, particularly the minimum mark requirement of 63% in chemistry courses. All

prerequisites must be fully completed before a course can be taken. Courses that are prerequisites cannot be taken simultaneously with the courses for which they are a prerequisite (i.e., they are not "co-requisites"). Students from other institutions must show their transcripts to the department if they are using prior courses as prerequisites. The same rules apply.

## Chemistry Major (Science program)

Consult Associate Chair, Undergraduate Studies, Department of Chemistry.

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required courses will be eligible to enrol. Consult the Arts & Science Program Enrolment web site at <http://www.artsci.utoronto.ca/current/program> for details.

Courses for admission: CHM135H1/CHM139H1 and CHM136H1/CHM138H1 or CHM151Y1 with a minimum mark of 63%.

(8 full courses or their equivalent, including at least one CHM half course equivalent at the 400-level)

First Year: (CHM151Y1 strongly recommended)/(CHM135H1/CHM139H1, CHM136H1/CHM138H1); (MAT135H1, MAT136H1)/MAT137Y1

Second Year: At least two of CHM217H1, CHM220H1/CHM222H1/CHM225Y1, CHM238Y1, (CHM249H1 strongly recommended)/CHM247H1

Third Year: At least two of CHM317H1, CHM327H1, CHM338H1, CHM343H1, CHM348H1, CHM379H1

Fourth Year: Further 200/300/400-level CHM courses to make a total of seven CHM full course equivalents (CHM299Y1, CHM396Y0, CHM397H0, CHM398H0, CHM399Y0 excluded)

NOTE: Please read prerequisites and exclusions carefully, particularly the minimum mark requirement of 63% in chemistry courses. All prerequisites must be fully completed before a course can be taken. Courses that are prerequisites cannot be taken simultaneously with the courses for which they are a prerequisite (i.e., they are not "co-requisites"). Students from other institutions must show their transcripts to the department if they are using prior courses as prerequisites. The same rules apply.

## Chemistry Minor (Science program)

Consult Associate Chair, Undergraduate Studies, Department of Chemistry.

(4 full courses or their equivalent, including at least one CHM full-course equivalent at the 300+ level)

First Year: CHM151Y1/(CHM135H1/CHM139H1, CHM136H1/CHM138H1)

Second Year: At least one of CHM217H1, CHM220H1/CHM222H1/CHM225Y1, CHM238Y1, (CHM249H1 strongly recommended)/CHM247H1

Third Year: At least one of CHM317H1, CHM327H1, CHM338H1, CHM343H1, CHM348H1, CHM379H1

Fourth Year: Further 200/300/400-level CHM courses to make a total of four CHM full course equivalents (CHM299Y1, CHM396Y0, CHM397H0,

CHM398H0, CHM399Y0 excluded)

NOTE: Please read prerequisites and exclusions carefully, particularly the minimum mark requirement of 63% in chemistry courses. All prerequisites must be fully completed before a course can be taken. Courses that are prerequisites cannot be taken simultaneously with the courses for which they are a prerequisite (i.e., they are not "co-requisites"). Students from other institutions must show their transcripts to the department if they are using prior courses as prerequisites. The same rules apply.

### Environmental Chemistry Specialist (Science program)

Consult Professor J. Murphy, Department of Chemistry (416-946-0260 or [jmurphy@chem.utoronto.ca](mailto:jmurphy@chem.utoronto.ca))

Jointly sponsored by the School of the Environment and the Department of Chemistry, this program focuses on analytical theory, instrumentation and methodological aspects of organic and inorganic contaminants in soil, water, air and biological tissues.

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required courses will be eligible to enrol. Consult the Arts & Science Program Enrolment web site at <http://www.artsci.utoronto.ca/current/program> for details.

Courses for admission: CHM135H1/CHM139H1 and CHM136H1/CHM138H1 or CHM151Y1 with a minimum mark of 63%.

(14 full courses or their equivalent, including at least one 400-series course)

First Year: (BIO120H1, BIO130H1/BIO220H1); CHM151Y1 (strongly recommended)/(CHM135H1/CHM139H1, CHM136H1/CHM138H1); (MAT135H1, MAT136H1)/MAT137Y1

First or Second Year: (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

Second and Higher Years:

1. CHM217H1, (CHM220H1/CHM222H1, CHM221H1/CHM223H1)/CHM225Y1, CHM238Y1, CHM247H1/CHM249H1; (CHM210H1, GGR203H1/GGR314H1); STA220H1/GGR270H1
2. CHM310H1, CHM410H1, CHM415H1; ENV234H1, (ENV221H1, ENV222H1), ENV334H1/ENV341H1/ENV346H1
3. One additional FCE from 300/400-series CHM courses
4. ENV421H1/CHM499Y1/CHM398H0 (in areas relevant to the program with prior approval by the Department).
5. Further courses from any 300/400 series courses with DR=SCI, BR=4 or BR=5 such that the total FCE for the specialist is 14.

NOTE: Please read prerequisites and exclusions carefully, particularly the minimum mark requirement of 63% in chemistry courses. All prerequisites must be fully completed before a course can be taken. Courses that are prerequisites cannot be taken simultaneously with the courses for which they are a prerequisite (i.e., they are not "co-requisites"). Students from other institutions must show their transcripts to the department if they are using prior courses as prerequisites. The same rules apply.

### Environmental Chemistry Minor (Science program)

Consult Professor J. Murphy, Department of Chemistry

Environmental chemistry is the study of the chemical impacts of humankind's activities on the soil, air, and water. This minor provides a balanced fundamental background in chemistry as well as an introduction to the major issues associated with environmental chemistry.

(4 full courses or their equivalent; must include at least one full-course equivalent at the 300+ level)

1. (CHM135H1/CHM139H1, CHM136H1/CHM138H1)/CHM151Y1
2. One full course equivalent from CHM217H1, CHM220H1/CHM222H1/CHM225Y1, CHM238Y1, CHM247H1/CHM249H1
3. CHM210H1
4. CHM310H1, and any two of CHM317H1, CHM410H1, CHM415H1

NOTE: Please read prerequisites and exclusions carefully, particularly the minimum mark requirement of 63% in chemistry courses. All prerequisites must be fully completed before a course can be taken. Courses that are prerequisites cannot be taken simultaneously with the courses for which they are a prerequisite (i.e., they are not "co-requisites"). Students from other institutions must show their transcripts to the department if they are using prior courses as prerequisites. The same rules apply.

### Synthetic & Catalytic Chemistry Specialist (Science program)

Consult Professor. R. Batey, Department of Chemistry.

This program focuses on the fundamentals and practical aspects of modern synthetic organic and inorganic chemistry, and the understanding and applications of catalytic reactions. Students will become exposed to extensive green chemistry approaches from both experimental and theoretical perspectives. The program provides preparation for career paths as synthetic / discovery chemists, in the pharmaceutical, biotechnology, biomedical, crop protection, materials and related sectors, or for academic research and teaching positions. This program is accredited by the Canadian Society for Chemistry.

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required courses will be eligible to enrol. Consult the Arts & Science Program Enrolment web site at <http://www.artsci.utoronto.ca/current/program> for details.

Courses for admission: CHM135H1/CHM139H1 and CHM136H1/CHM138H1 or CHM151Y1 with a minimum mark of 63%.

(14 full courses or their equivalent)

First Year: (CHM151Y1 strongly recommended)/(CHM135H1/CHM139H1, CHM136H1/CHM138H1); (MAT135H1, MAT136H1)/MAT137Y1; (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

Second and Higher Years:

1. BCH210H1, CHM217H1, (CHM220H1/CHM222H1, CHM221H1/CHM223H1)/CHM225Y1, CHM238Y1, (CHM249H1 strongly recommended)/CHM247H1; MAT235Y1/MAT237Y1
2. CHM317H1, CHM338H1, CHM342H1, CHM343H1, CHM347H1, CHM348H1.
3. CHM432H1, CHM440H1, CHM441H1, CHM443H1.
4. CHM499Y1 and/or CHM398H0 in areas relevant to the program with prior approval by the Department.

# Chemistry

5. Further 300/400-series courses in CHM, including CHM325H1, CHM328H1, CHM379H1, CHM416H1, CHM434H1, CHM437H1, CHM447H1 and CHM479H1 to make a total of 14 full courses.

NOTE: Please read prerequisites and exclusions carefully, particularly the minimum mark requirement of 63% in chemistry courses. All prerequisites must be fully completed before a course can be taken. Courses that are prerequisites cannot be taken simultaneously with the courses for which they are a prerequisite (i.e., they are not "co-requisites"). Students from other institutions must show their transcripts to the department if they are using prior courses as prerequisites. The same rules apply.

## Nanoscience Minor (offered jointly with the National University of Singapore) (Science program)

This Type 3 minor program represents a unique opportunity to study chemistry and physics in a different cultural environment. For more information, contact the Undergraduate Office (LM 151, 416-978-6033, [undergrd@chem.utoronto.ca](mailto:undergrd@chem.utoronto.ca)), and the Centre for International Experience (CIE, [www.cie.utoronto.ca](http://www.cie.utoronto.ca)).

(4 full courses or their equivalent, including at least one CHM full-course equivalent at the 300+ level)

1. CHM151Y1/CHM135H1/CHM139H1, (PHY151H1, PHY152H1)/(PHY131H1, PHY132H1)
2. NUS227H0, NUS228H0, NUS328H0, NUS398H0\*
3. Further CHM courses to make a total of four full course equivalents

\*NUS courses must be taken at the National University of Singapore during either the Winter session of second year studies or the Winter session of third year studies.

## Chemistry Courses

### Nanoscience Minor Program Courses (offered jointly with the National University of Singapore)

#### NUS227H0 Science at the Nanoscale [48L/12T]

Students are introduced to fundamental principles of physics and chemistry important to the nanoscale. Some basic physical tools that can be used to explore structures at this length scale are discussed. Linkages between the fundamental sciences and practical applications in nanotechnology are also made.

Prerequisite: CHM135H1/CHM139H1/CHM151Y1; (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

#### NUS228H0 Principles of Spectroscopy [36L/12T/39P]

Topics discussed include microwave spectroscopy, infrared spectroscopy, Raman spectroscopy, electronic spectroscopy, electron and nuclear spin resonance spectroscopy. The fundamental principles such as energy quantization, rigid rotors and harmonic oscillators are discussed, the techniques and instrumentation are studied, and the practical applications are emphasized.

Prerequisite: CHM135H1/CHM139H1/CHM151Y1; (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

#### NUS328H0 Nanochemistry [48L/12T]

The synthesis, characterisation and application of nanostructures using chemical routes, incorporating various concepts from colloidal chemistry, supramolecular chemistry, polymer chemistry and electrochemistry. Applications of nanostructures such as quantum dots, nanoparticles, nanorods and nanowires in the areas of biosensors, bioimaging, LEDs and photonic crystals are highlighted.

Corequisite: NUS227H0

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

#### NUS398H0 Nanoscience Research [130P]

An experimental or theoretical research problem in nanoscience under the supervision of a faculty member. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: None

## Chemistry Courses

### Lab Materials Fee

Some courses in this department have a mandatory Lab Materials Fee to cover non-reusable materials. The fee for each such course is given below in the course description, and will be included on the student's invoice on ACORN.

### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

#### CHM101H1 The Chemistry and Biology of Organic Molecules: Sex, Drugs and Rock and Roll! [30L/6T]

An introduction to chemistry and chemical principles for non-scientists, with a focus on the chemistry and biology of organic molecules. The myriad roles these compounds play in our lives are discussed, including their use of pheromones, medicines and weapons, and their effect on colour, taste and smell.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

#### CHM135H1 Chemistry: Physical Principles (Formerly CHM139H1) [36L/12T/18P]

CHM135H1 and CHM136H1 may be taken in either order, but not in the same session.

Structure of matter, gases, liquids and solids; phase equilibria and phase diagrams; colligative properties; chemical equilibria; electrolyte solutions and electrochemistry; reaction kinetics; introduction to thermodynamics.

Recommended for students in life and health science programs that involve a small amount of chemistry. (Lab Materials Fee: \$25).

Prerequisite: Chemistry SCH4U, Mathematics MHF4U + MCV4U

Corequisite: (MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1 recommended, but may be required prerequisite in 2nd year Chemistry courses; PHY131H1, PHY132H1)/(PHY151H1, PHY152H1) recommended

Exclusion: CHM139H1, CHM151Y1, CHMA11H3, CHM140Y5, CHM110H5

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**CHM136H1 Introductory Organic Chemistry I (Formerly CHM138H1) [36L/12T/18P]**

CHM135H1 and CHM136H1 may be taken in either order, but not in the same session.

An introduction to principles of structure and their relation to reactivity of organic molecules: molecular structure, stereochemistry, functional groups, and reactions. Recommended for students in life and health science programs that involve a small amount of chemistry. (Lab Materials Fee: \$25).

Prerequisite: Chemistry SCH4U, Mathematics MHF4U + MCV4U

Corequisite: MAT135H1/MAT137Y1/MAT157Y1 recommended, but may be required prerequisite in 2nd year Chemistry courses; (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1) recommended

Exclusion: CHM138H1, CHM151Y1, CHM242H5, CHMB41H3

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**CHM151Y1 Chemistry: The Molecular Science [72L/24T/35P]**

An introduction to the major areas of modern chemistry, including organic and biological chemistry; physical chemistry and chemical physics; and inorganic/materials chemistry. The course is intended for students who will be following one of the chemistry specialist programs (including Biological Chemistry and Environmental Chemistry) or who will be including a substantial amount of chemistry in their degree (such as those following a chemistry major program). The combination of CHM151Y1 and CHM249H1 serves as a full year introductory course in organic chemistry with laboratory. (Lab Materials Fee: \$50).

Note: CHM151Y1 has a unique Course Community where the undergraduate experience in chemistry is greatly enhanced through a series of workshops, research seminars, tours, outreach opportunities and social activities. Two hour biweekly Course Community meetings, during laboratory class hours will alternate weeks with the CHM151Y1 lab classes. The lab time is reserved for CHM151Y1 activities every week of each semester.

Prerequisite: Chemistry SCH4U, Mathematics MHF4U + MCV4U;

Physics SPH4U recommended

Corequisite: PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

recommended, but may be required prerequisites in 2nd year

chemistry courses; (MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1

Exclusion: CHM135H1, CHM136H1, CHM138H1, CHM139H1,

CHMA10H3, CHMA11H3, CHMB41H3, CHM110H5, CHM120H5

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**CHM210H1 Chemistry of Environmental Change [24L/12T]**

Examines the fundamental chemical processes of the Earth's natural environment, and changes induced by human activity. Topics relate to the atmosphere: urban air pollution, stratospheric ozone depletion, acid rain; the hydrosphere: water resources and pollution, wastewater analysis; biogeochemistry and inorganic metals in the environment.

Prerequisite: CHM135H1/CHM139H1/CHM151Y1, (MAT135H1, MAT136H1)/MAT137Y1

Exclusion: ENV235Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**CHM217H1 Introduction to Analytical Chemistry [30L/6T/48P]**

Introduction to the science of chemical measurement, from sampling through analysis to the interpretation of results, including how water, food products, pharmaceuticals, and dietary supplements are analysed for content, quality, and potential contaminants. Also how to interpret experimental measurements, compare results and procedures, and calibrate analytical instrumentation. Through closely integrated lectures, laboratories, and tutorials, this highly practical course introduces a variety of analytical techniques including volumetric methods, potentiometry, uv/visible and infrared spectrophotometry, flame atomic absorption spectrometry, and chromatography. Additional information can be found at <http://www.chem.utoronto.ca/coursenotes/CHM217/>. (Lab Materials Fee: \$25).

Prerequisite: (CHM135H1/CHM139H1,

CHM136H1/CHM138H1)/CHM151Y1 with a minimum grade of 63%;

(MAT135H1, MAT136H1)/MAT137Y1

Exclusion: CHM211H5, CHMB16H3

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**CHM220H1 Physical Chemistry for Life Sciences [36L/12T]**

Introduction to thermodynamics; kinetics; phase equilibrium, properties of mixtures, chemical equilibrium, electrochemistry; introduction to quantum mechanics and spectroscopy. This course is recommended for students in life and health science programs that involve a small amount of chemistry. Students enrolled in any chemistry specialist program (including Biological Chemistry and Environmental Chemistry) or who will be including a substantial amount of chemistry in their degree (such as those following a chemistry major program), are strongly encouraged to take CHM222H1 and CHM223H1.

Prerequisite: (CHM135H1/CHM139H1,

CHM136H1/CHM138H1)/CHM151Y1; (MAT135H1,

MAT136H1)/MAT137Y1/MAT157Y1

Corequisite: Recommended co-requisite: MAT235Y1/MAT237Y1

Exclusion: CHM225Y1/CHM222H1, CHMB20H3,

JCP221H5/CHM221H5

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**CHM222H1 Introduction to Physical Chemistry (formerly CHM225Y1) [24L/12T]**

Topics: introductory thermodynamics, first and second law and applications; chemical equilibrium; chemical kinetics; introductory quantum mechanics; spectroscopy. The course is intended for students who will be following one of the chemistry specialist programs (including Biological Chemistry and Environmental Chemistry) or who will be including a substantial amount of chemistry in their degree (such as those following a chemistry major program).

Prerequisite: [(CHM135H1/CHM139H1,

CHM136H1/CHM138H1)/CHM151Y1 with a minimum grade of 63%],

(MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1, (PHY131H1,

PHY132H1)/(PHY151H1, PHY152H1)

Corequisite: MAT235Y1/MAT237Y1

Exclusion: CHM220H1/CHM225Y1, CHMB20H3, CHMB21H3,

CHM221H5, JCP221H5

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CHM223H1 Physical Chemistry: The Molecular Viewpoint (formerly CHM221H1) [24L/12T]**

A continuation of CHM220H1 or CHM222H1 for students wishing to take some additional material in Physical Chemistry. The course covers topics in quantum mechanics and spectroscopy as well as an introduction to reaction kinetics.

Prerequisite: CHM220H1 with a minimum grade of B, or CHM222H1

Corequisite: MAT235Y1/MAT237Y1 recommended, but may be required pre-requisite in 3rd year Chemistry courses

Exclusion: CHM225Y1/CHM221H1, CHMB21H3

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CHM238Y1 Introduction to Inorganic Chemistry [48L/44P]**

The first part (with CHM338H1) of a two-year sequence in Inorganic Chemistry, designed to illustrate and systematize the rich variety of structures, physical properties and reactions of compounds of the elements across and down the Periodic Table. Introduction to structure, symmetry and bonding of molecules and lattices; acid-base and redox reactions; d-metal complexes; chemistry of elements of the s and p blocks; inorganic materials and solid state chemistry with applications in advanced technologies. (Lab Materials Fee: \$50).

Prerequisite: CHM151Y1/(CHM135H1/CHM139H1,

CHM136H1/CHM138H1) with a minimum grade of 63%

Exclusion: CHM231H5

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CHM247H1 Introductory Organic Chemistry II [36L/12T/22P]**

Reactions of organic compounds. Principles of mechanism, synthesis, and spectroscopy, continuing from CHM138H1. This course is recommended for students in life and health science programs that involve a small amount of chemistry. Students enrolled in any chemistry specialist program (including Biological Chemistry and Environmental Chemistry) or who will be including a substantial amount of chemistry in their degree (such as those following a chemistry major program) are strongly encouraged to take CHM249H1. (Lab Materials Fee: \$25).

Prerequisite: (CHM135H1/CHM139H1,

CHM136H1/CHM138H1)/CHM151Y1

Exclusion: CHM249H1, CHM243H5, CHMB42H3

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CHM249H1 Organic Chemistry [36L/50P]**

An introductory course in organic chemistry, based around the themes of structure, bonding, reaction mechanism and synthesis. Reactions are discussed with a view to understanding mechanism and how they are useful in the multi-step synthesis of medicinally and industrially important compounds. An introduction to the spectroscopy of organic molecules is also given, as well as discussion of topics relating to the biological behaviour of organic molecules and medicinal chemistry. Students are also introduced to green chemistry approaches from an experimental perspective. This course continues from CHM151Y1 or CHM138H1 and is designed for students enrolled in any chemistry specialist or major program. This course is highly recommended for students in the Biological Chemistry Specialist program. (Lab Materials Fee: \$25).

Prerequisite: CHM151Y1/(CHM135H1/CHM139H1,

CHM136H1/CHM138H1) with a minimum grade of 63%

Exclusion: CHM247H1, CHM243H5, CHMB42H3

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CHM299Y1 Research Opportunity Program**

Credit course for supervised participation in faculty research project.

Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: None

## **JSC301H1 Principles and Practices in Science Education [24L]**

Fundamental principles and practices in education and public outreach in the sciences, mathematics, and engineering, including education research, curriculum, teaching, and assessment. Students will learn and apply effective strategies which engage and educate learners at the K-16 and public level. The course assignments include a project and/or placement experience.

Prerequisite: At least 8.0 credits, and enrolment in a science, mathematics, or engineering program

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CHM310H1 Environmental Chemistry [24L]**

This course considers carbon-containing molecules in the environment from a variety of perspectives: the carbon cycle, climate change and ocean acidification; fossil fuels and alternative energy sources; and the partitioning and degradation pathways of organic chemicals.

Prerequisite: (CHM135H1/CHM139H1,

CHM136H1/CHM138H1)/CHM151Y1, (MAT135H1, MAT136H1)/MAT137Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CHM317H1 Introduction to Instrumental Methods of Analysis [24L/48P]**

Scope of instrumental analytical chemistry; Fourier transform IR absorption spectroscopy; molecular luminescence; emission spectroscopy; mass spectrometry; sensors; gas and high performance liquid chromatography; instrument design principles and applications in industry and the environment. (Lab Materials Fee: \$25).

Prerequisite: CHM217H1 with a minimum grade of 63%; (MAT135H1, MAT136H1)/MAT137Y1

Exclusion: CHM391H5, CHMC11H3, CHMC16H3

Recommended

Preparation: (CHM220H1/CHM222H1, CHM221H1/CHM223H1)/CHM225Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CHM325H1 Introduction to Inorganic and Polymer Materials Chemistry [24L]**

Fashioned to illustrate how inorganic and polymer materials chemistry can be rationally used to synthesize superconductors, metals, semiconductors, ceramics, elastomers, thermoplastics, thermosets and polymer liquid crystals, with properties that can be tailored for applications in a range of advanced technologies. Coverage is fairly broad and is organized to crosscut many aspects of the field.

Prerequisite: CHM220H1/CHM222H1/CHM2225Y, CHM238Y1, CHM247H1/CHM249H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**CHM326H1 Introductory Quantum Mechanics and Spectroscopy [24L]**

This course introduces the postulates of quantum mechanics to develop the fundamental framework of quantum theory. A number of exactly soluble problems are treated in detail as examples. Perturbation theory is introduced in the context of understanding many body problems. Various applications to chemical bonding and molecular spectroscopy are covered in detail.

Prerequisite: (CHM220H1/CHM222H1, CHM221H1/CHM223H1)/CHM225Y1, MAT235Y1/MAT237Y1

Exclusion: JCP321H5

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**CHM327H1 Experimental Physical Chemistry [12L/48P]**

Students are exposed to experiments to help them experience modern physical chemistry. Labs designed to illustrate physical chemistry principles and practical techniques as well as their real world state of the art applications. The course also involves some lecture material to broaden the laboratory experience. (Lab Materials Fee: \$25).

Prerequisite: (CHM220H1/CHM222H1, CHM221H1/CHM223H1)/CHM225Y1 with a minimum grade of 63%

Corequisite: Recommended: CHM326H1 or CHM328H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**CHM328H1 Modern Physical Chemistry [24L]**

This course explores the microscopic description of macroscopic phenomena in chemistry. Statistical mechanics is introduced as the bridge between the microscopic and macroscopic views, and applied to a variety of chemical problems including reaction dynamics. More advanced topics in thermodynamics are introduced and discussed as required.

Prerequisite: (CHM220H1/CHM222H1, CHM221H1/CHM223H1)/CHM225Y1, MAT235Y1/MAT237Y1

Exclusion: JCP322H5, CHMC20H3

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**CHM338H1 Intermediate Inorganic Chemistry [24L/54P]**

Further study of the structures, physical properties and reactions of compounds and transition metals. Introductions to spectroscopy and structural analysis, reaction mechanisms, d-block organometallic compounds, catalysis, and bioinorganic chemistry. The weekly laboratory demonstrates aspects of transition metal chemistry. (Lab Materials Fee: \$25).

Prerequisite: CHM238Y1 with a minimum grade of 63%

Exclusion: CHM331H5

Recommended Preparation: CHM217H1, CHM247H1/CHM249H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**CHM342H1 Modern Organic Synthesis [24L]**

An overview of the preparation of various classes of organic compounds. Strategies and tactics of synthetic organic chemistry using examples from natural products and pharmaceuticals. C-C bond formation, functional group reactivity, structure, stereochemistry and selectivity.

Prerequisite: CHM247H1/CHM249H1

Exclusion: CHM345H5

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**CHM343H1 Organic Synthesis Techniques [24L/54P]**

This laboratory course showcases modern organic synthesis techniques and introduces chemical research principles. It provides excellent preparation for a CHM499Y1 project in organic chemistry. Associated lectures teach theory and problem-solving approaches from a practical perspective and through industrial case studies. Green chemistry decision-making is a central theme of both the lecture and laboratory components. (Lab Materials Fee: \$25).

Prerequisite: CHM247H1/CHM249H1 with a minimum grade of 63%

Exclusion: CHM393H5

Recommended Preparation: CHM342H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**CHM347H1 Organic Chemistry of Biological Compounds [24L/12T]**

An organic chemical approach to the structure and reactions of major classes of biological molecules: carbohydrates, amino acids, peptides and proteins, phosphates, lipids, heterocycles, vitamins, nucleotides and polynucleotides. This is achieved through studies of advanced stereochemistry, chemical modification, reactions and synthesis. In addition to lectures and reading from texts, there will be opportunities for independent written assignments on several of the topics.

Prerequisite: CHM247H1/CHM249H1

Exclusion: CHM347H5, CHMC47H3

Recommended Preparation: CHM217H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**CHM348H1 Organic Reaction Mechanisms [24L/26P]**

Principles and methods of analyzing and predicting organic chemical reactivity: advanced stereochemistry, conformational analysis, molecular orbitals, reaction kinetics, isotope effects, linear free energy relationships, orbital transformations, systematization of mechanisms. The laboratory section is used to illustrate the operation of the principles, including examples of data acquisition for mechanistic analysis and theoretical computations. Regular original reports on methods and outcomes are an important part of the laboratory. (Lab Materials Fee: \$25).

Prerequisite: CHM247H1/CHM249H1 with a minimum grade of 63%

Exclusion: CHM341H5, CHMC41H3

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**CHM379H1 Biomolecular Chemistry [24L/48P]**

This course provides an opportunity to learn core techniques in biological chemistry in a small group laboratory setting. It provides excellent preparation for a CHM499Y1 project in biological chemistry or related areas. Lectures will discuss the theory behind the techniques and highlight how they are used in modern biological chemistry research and practice. Note: CHM379H1 can be used as the biochemistry lab requirement for students completing double majors in chemistry and biochemistry. (Lab Materials Fee: \$25).

Prerequisite: (CHM247H1/CHM249H1 with a minimum grade of 63%), CHM347H1, BCH210H1

Exclusion: BCH370H1, CHM371H5

Recommended Preparation: CHM217H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CHM396Y0 Research Topic Abroad [TBA]**

Course credit for research or field studies abroad under the supervision of a faculty member. Not eligible for CR/NCR option.

Prerequisite: At least 8.5 FCEs and no more than 14.0 FCEs including at least 1.5 FCEs in 2nd Year chemistry courses, or permission of the instructor.

Recommended Preparation: CHM299Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CHM397H0 Research Abroad in Chemistry [TBA]**

Independent research project in Chemistry under the supervision by a faculty member in an approved partner institution. This unique opportunity to conduct a lab-based research project is open to students in any Chemistry programs. Not eligible for CR/NCR option.

Prerequisite: Any CHM 300-level courses with lab; permission of the Department

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CHM398H0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: None

## **CHM399Y0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: None

## **CHM410H1 Analytical Environmental Chemistry [24L/44P]**

An analytical theory, instrumental, and methodology course focused on the measurement of pollutants in soil, water, air, and biological tissues and the determination of physical/chemical properties including vapour pressure, degradation rates, partitioning. Lab experiments involve application of theory. (Lab Materials Fee: \$25).

Prerequisite: CHM217H1, CHM210H1/CHM310H1

Recommended Preparation: CHM317H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CHM414H1 Biosensors and Chemical Sensors [24L]**

The development, design, and operation of biosensors and chemical sensors, including: biosensor technology, transducer theory and operation, device design and fabrication, surface modification and methods of surface analysis, flow injection analysis and chemometrics.

Prerequisite: CHM217H1/CHM220H1/CHM222H1/CHM225Y1

Recommended Preparation: CHM317H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CHM415H1 Topics in Atmospheric Chemistry [24L]**

This course builds upon the introductory understanding of atmospheric chemistry provided in CHM210H. In particular, modern research topics in the field are discussed, such as aerosol chemistry and formation mechanisms, tropospheric organic chemistry, the chemistry of climate including cloud formation and geoengineering, biosphere-atmosphere interactions, the chemistry of remote environments. Reading is from the scientific literature; class discussion is emphasized.

Prerequisite: (CHM220H1/CHM222H1/CHM225Y1), CHM210H1

Recommended Preparation: (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CHM416H1 Separation Science [24L]**

Principles of separation in analytical chemistry. Fractionation processes and solvent extractions; theory of chromatography, retention time, column efficiency and resolution. Principles of gas-liquid chromatography; instrumentation for gas chromatography. High performance liquid chromatography - practice and equipment design. Ion exchange, size-exclusion and affinity chromatography. Electrophoretic techniques.

Prerequisite: CHM317H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CHM417H1 Laboratory Instrumentation [24L/10P]**

This course provides an introduction to building and using optics- and electronics-based instrumentation for laboratory research, as well as for implementing custom software control. Lecture topics include passive electronic components, diodes and transistors, operational amplifiers, light sources and detectors, reflectors, refractors, polarizers, and diffractors, LabView programming and many others. Lectures are supplemented by laboratories in which students work in teams to build fluorescent detection systems for chromatography over the course of several weeks. (Lab Materials Fee: \$25).

Recommended Preparation: CHM317H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CHM423H1 Applications of Quantum Mechanics [24L]**

Applications of time independent and time dependent perturbation theory to atomic and molecular problems, selection of topics from WKB approximation and the classical limit; the interaction of light with matter; elementary atomic scattering theory; molecular bonding.

Prerequisite: CHM326H1

Recommended Preparation: MAT223H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CHM426H1 Polymer Chemistry [24L/12T]**

Scope of polymer chemistry. Classification of polymers. Synthesis and characterization. Polymers in solution. Thermodynamics of polymer solutions and blends, Flory-Huggins theory. Polymers in the solid state. Crystalline and amorphous polymers. Glass transition and melting temperature. Mechanical properties. Polymers as advanced materials.

Prerequisite: CHM220H1/CHM222H1/CHM225Y1,

CHM247H1/CHM249H1

Recommended Preparation: CHM325H1

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CHM427H1 Statistical Mechanics [24L]**

Ensemble theory in statistical mechanics. Applications, including imperfect gases and liquid theories. Introduction to non-equilibrium problems.

Prerequisite: CHM326H1, CHM328H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)



**CHM432H1 Organometallic Chemistry and Catalysis [24L]**

Structure, bonding, and reactions of organometallic compounds, with emphasis on basic mechanisms, and industrial processes. Addition, metalation, elimination, important catalytic cycles, electrophilic, and nucleophilic reactions are considered on a mechanistic basis. Topics on modern organometallic chemistry and catalysis are covered.

Prerequisite: CHM338H1

Recommended Preparation: CHM348H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**CHM434H1 Advanced Materials Chemistry [24L]**

A comprehensive investigation of synthetic methods for preparing diverse classes of inorganic materials with properties intentionally tailored for a particular use. Begins with a primer on solid-state materials and electronic band description of solids followed by a survey of archetypical solids that have had a dramatic influence on the materials world, some new developments in materials chemistry and a look at perceived future developments in materials research and technology. Strategies for synthesizing many different classes of materials with intentionally designed structures and compositions, textures and morphologies are then explored in detail emphasizing how to control the relations between structure and property of materials and ultimately function and utility. A number of contemporary issues in materials research are critically evaluated to appreciate recent highlights in the field of materials chemistry - an emerging sub-discipline of chemistry.

Prerequisite: CHM325H1, CHM338H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**CHM437H1 Bioinorganic Chemistry [24L]**

This course examines the use of metals in biology. Topics include naturally occurring and medicinal ligands; transport, uptake and control of concentration of metal ions; and physical methods of characterization of metal binding sites. The roles of metal ions in nature are discussed, including as structural and signaling elements in proteins, nucleic acids and DNA-binding complexes and proteins; as Lewis-acid centres in enzymes; as carriers of electrons, atoms and groups in redox proteins and enzymes; and as sources of biominerals; as radiopharmaceuticals.

Prerequisite: CHM238Y1

Exclusion: CHM333H5, CHMD69H3

Recommended Preparation: CHM338H1 (strongly recommended), CHM347H1/CHM379H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**CHM440H1 The Synthesis of Modern Pharmaceutical Agents [24L]**

This course provides an overview of reactions and synthetic strategies that are being used at different stages of the drug development process. Using representative examples from the literature, we will concentrate on synthesis of complex heterocyclic compounds.

Prerequisite: CHM342H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**CHM441H1 Spectroscopic Analysis in Organic Chemistry [24L/20P]**

Structure and stereochemistry determination using modern spectroscopic techniques. Several techniques are discussed but particular emphasis is given to NMR (1H and 13C NMR) and mass spectrometry. The approach taken emphasizes applications of these spectroscopic methods to organic problems. Students are trained to run their own spectra (IR, UV, NMR, GC-MS). (Lab Materials Fee: \$25).

Prerequisite: CHM249H1, CHM343H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**CHM443H1 Physical Organic Chemistry [24L]**

Noncovalent binding forces, solutions, and molecular recognition. Electronic structure theory and computational techniques. Reaction mechanisms: experimental probes and reactive intermediates, including carbenes and radicals. Photophysics and photochemistry of organic compounds.

Prerequisite: CHM220H1/CHM222H1/CHM225Y1, CHM348H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**CHM446H1 Organic Materials Chemistry [24L]**

This course covers design, synthesis, characterization and application of organic materials. Emphasis is placed on classic examples of organic materials including semiconducting polymers, molecular devices, self-assembled systems, and bioconjugates, as well as recent advances from the literature.

Prerequisite: CHM247H1/CHM249H1, CHM220H1/CHM222H1/CHM225Y1

Recommended Preparation: CHM325H1, CHM342H1/CHM343H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**CHM447H1 Bio-organic Chemistry [24L]**

Mechanisms in biochemical systems: Examples of biological catalysis are considered in terms of chemical mechanisms and their extensions, overcoming barriers catalytic groups in active sites, stereochemical applications, energy transfer, kinetic patterns, inhibitors, drug design, cofactors, ribozymes, proteosomes. Related current issues are noted and discussed. The format includes lectures integrated with in-class discussions.

Prerequisite: CHM347H1, CHM348H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**CHM479H1 Biological Chemistry [24L]**

An in depth examination of biological systems at the molecular level. Several complex, multi-component molecular machines with a central role in life will be examined. For each system studied, the focus will be on understanding the chemical mechanisms that underlie the biological activities, and how these processes fit into a cellular context.

Prerequisite: BCH210H1/BCH242Y1, CHM347H1, CHM348H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**CHM499Y1 Introduction to Chemistry Research [240P]**

An experimental or theoretical research problem under the supervision of a faculty member in the Department of Chemistry. Applications for enrolment should be made to the Department in the preceding Winter Session with the deadline being the Friday before Reading Week.

Application form is available at

[http://www.chem.utoronto.ca/~undergrd/Application\\_Form.pdf](http://www.chem.utoronto.ca/~undergrd/Application_Form.pdf). Students are notified with the results of their application by the last week of March.

Only students being offered admission are required to contact chemistry faculty for available research projects and supervision. Projects are in the areas of environmental, analytical, physical, inorganic, materials, polymer, organic and biological chemistry. Not eligible for CR/NCR option.

Prerequisite: Permission of the department. Minimum CGPA of 3.0.

Research positions are limited. Students with strong background on courses in the sub-discipline of research interest will be given preference.

# Chemistry

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Exclusion: CHM489Y5, CHMD90Y3, MSE498Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## Faculty

### Professor Emerita

E.K. Armatage, Ph D

### Professor

C. Keil, Ph D

### Associate Professors

C. Columpar, Ph D

A. Fenner, Ph D

N. Sammond, Ph D

### Associate Professors, Teaching Stream

K. Banning, MA

B.W. Testa, MA

### Assistant Professors

J. Cahill, Ph D

B. Jacobson, Ph D

## Introduction

### Cinema Studies Institute

At the dawn of the twentieth century cinema emerged as a new mass entertainment, a source of information, and a product of economic and social power. Cinema adapted to and absorbed novel technologies, such as sound, color, 3-D, and, later, digital techniques at a rapid pace. As shifting political and economic forces came into play, cinema continued to assume a key role in moving-image culture. During its history, cinema has absorbed seismic shocks in ideas and ideologies, and responded to the shifting politics of race, gender, class, and sexuality that have defined modern society. Now, in the early years of the twenty-first century, an evolving mediascape driven by digital technologies offers exciting opportunities to assess the ever-changing role of cinema across global cultures.

Because of its status as a major art form and a vital social practice, cinema has assumed a crucial place within the university. The Cinema Studies Institute has, over four decades, developed into a major area of academic research, study, and teaching at the University of Toronto and has contributed in pivotal ways to the development of the discipline both in Canada and internationally.

Cinema Studies offers courses that reflect the diversity of cinematic experience: film analysis, history, social practice, and theory are at the core of the program. Other topics also receive emphasis, including distinct types of film (such as documentary, animation, and the avant-garde), film genres, media cultures, and new media forms. Our courses explore the global dimension of cinema, investigating national and transnational cinema. They raise issues of how race, class, and gender operate in moving image culture. Cinema Studies offers a range of research methods, scholarly frameworks, and learning opportunities; all are designed to develop students' abilities to understand cinema within a wide range of contexts - critical, economic, cultural, technological, and aesthetic. Graduates of the Cinema Studies Institute achieve learning outcomes that include a strong historical and theoretical foundation coupled with advanced analytical and critical skills. Our graduates are well-equipped to apply their knowledge to a variety of media-related careers and avocations. They have become arts and

entertainment journalists, film programmers, and image archivists, and have found a diversity of positions within the film, television, and new media sectors. Cinema Studies does not offer courses in filmmaking, but numerous graduates have successfully pursued professional work in different facets of film and media production.

Since its inception, Cinema Studies has had its administration, teaching, and research home at Innis College, which also houses its faculty. Innis offers specially-equipped facilities and a cordial and intimate setting for cinema students. For more information about Innis College, go to <http://innis.utoronto.ca/>.

Enquiries: Undergraduate Program Assistant, Room 232A Innis College (416-978-8571), [cinema.studies@utoronto.ca](mailto:cinema.studies@utoronto.ca), or the Cinema Studies website <http://sites.utoronto.ca/cinema/>.

## Cinema Studies Institute Programs

### Cinema Studies Specialist (Arts)

This is a limited enrolment program that can only accommodate a limited number of students. Enrolment in the Cinema Studies programs requires completion of CIN105Y1 *'Introduction to Film Study,'* and three additional full-course equivalents. Admission will be determined by a student's mark in CIN105Y1. It is expected that a final mark of at least 70% be required for admission in the coming cycle. Students can be considered for admission if they do not meet the minimum grade requirement in CIN105Y1 by achieving a minimum grade of 70% in CIN201Y1.

Meeting these minimum requirements may not guarantee admission.

**Note:** All Cinema Studies programs are Type 2L (limited enrolment) programs. See the Program Enrolment web site for instructions.

(10 full courses or their equivalent (FCEs), at least 8.0 of which must have a CIN designator)

First Year:

CIN105Y1

Second Year:

CIN201Y1

Third Year:

CIN301Y1

Second, Third and Fourth Year:

CIN230H1 or 0.5 FCE from Breadth Category 5; in addition at least 5.5 FCEs from Groups B through G, of which 3.0 FCEs must be at the 300/400 level

Fourth Year:

1.0 FCE from the following: CIN410H1, CIN411H1, CIN412H1, CIN420H1, CIN430H1, CIN431H1, CIN432H1, CIN440H1, CIN450H1, CIN451H1, CIN452H1, CIN460H1, CIN470H1, CIN471H1, CIN472H1, CIN480H1

Students must complete CIN105Y1, CIN201Y1 and CIN301Y1 before taking any fourth-year courses.

### Cinema Studies Major (Arts)

This is a limited enrolment program that can only accommodate a limited number of students. Enrolment in the Cinema Studies programs requires completion of CIN105Y1 *'Introduction to Film Study,'* and three additional full-course equivalents. Admission will be determined by a student's mark in CIN105Y1. It is expected that a final mark of at least 70% be required for admission in the coming cycle. Students can be considered for

# Cinema Studies Institute

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admission if they do not meet the minimum grade requirement in CIN105Y1 by achieving a minimum grade of 70% in CIN201Y1.

Meeting these minimum requirements may not guarantee admission.

**Note:** All Cinema Studies programs are Type 2L (limited enrolment) programs. See the Program Enrolment web site for instructions.

(7 full courses or their equivalent (FCEs), at least 5.5 of which must have a CIN designator)

First Year:

CIN105Y1

Second Year:

CIN201Y1

Third Year:

CIN301Y1

Second, Third and Fourth Year:

CIN230H1 or 0.5 FCE from Breadth Category 5; in addition at least 3.0 FCEs from Groups B through G, of which 2.0 FCEs must be at the 300/400 level

Fourth Year:

0.5 FCE from the following: CIN410H1, CIN411H1, CIN412H1, CIN420H1, CIN430H1, CIN431H1, CIN432H1, CIN440H1, CIN450H1, CIN451H1, CIN452H1, CIN460H1, CIN470H1, CIN471H1, CIN472H1, CIN480H1

Students must complete CIN105Y1, CIN201Y1 and CIN301Y1 before taking any fourth-year courses.

## Cinema Studies Minor (Arts)

This is a limited enrolment program that can only accommodate a limited number of students. Enrolment in the Cinema Studies programs requires completion of CIN105Y1 *'Introduction to Film Study,'* and three additional full-course equivalents. Admission will be determined by a student's mark in CIN105Y1. It is expected that a final mark of at least 70% be required for admission in the coming cycle. Students can be considered for admission if they do not meet the minimum grade requirement in CIN105Y1 by achieving a minimum grade of 70% in CIN201Y1.

Meeting these minimum requirements may not guarantee admission.

**Note:** All Cinema Studies programs are Type 2L (limited enrolment) programs. See the Program Enrolment web site for instructions.

(4 full courses or their equivalent (FCEs), at least 3.0 of which must have a CIN designator)

First Year:

CIN105Y1

Second Year:

CIN201Y1

Second, Third and Fourth Year:

2.0 FCEs from Groups A through G, of which 1.0 FCE must be at the 300/400 level

Students must complete CIN105Y1, CIN201Y1 and CIN301Y1 before taking any fourth-year courses.

## Cinema Studies Course Groups

### Group A: Foundations

CIN105Y1, CIN201Y1, CIN301Y1

### Group B: Genre and Modes

CIN210H1, CIN211H1, CIN212H1, CIN213H1, CIN310Y1, CIN312Y1, CIN314Y1, CIN320H1, CIN322H1, CIN410H1, CIN411H1, CIN412H1, CIN420H1

### Group C: Social and Cultural Practices

CIN230H1, CIN240H1, CIN330Y1, CIN332Y1, CIN334H1, CIN335H1, CIN340H1, CIN349H1, CIN430H1, CIN431H1, CIN432H1, CIN440H1

### Group D: Theory and Criticism

CIN250Y1, CIN260H1, CIN352H1, CIN353H1, CIN360H1, CIN362H1, CIN369H1, CIN450H1, CIN451H1, CIN452H1, CIN460H1

### Group E: History and Nation

CIN270Y1, CIN370H1, CIN372Y1, CIN374Y1, CIN376Y1, CIN378H1, CIN379H1, CIN380H1, CIN389H1, CIN470H1, CIN471H1, CIN472H1, CIN480H1

### Group F: Independent Studies

CIN490Y1, CIN491H1, CIN492H1

### Group G: Cross-Listed

EAS242H1, EAS243H1, EAS431H1, FCS310Y1, FCS331H1, FCS392H1, FIN250H1, FIN260H1, GER250H1, HIS335H1, HIS345H1, HIS459H1, HIS460H1, HIS467H1, ITA240Y1, ITA340H1, ITA341H1, ITA347H1, SLA226H1, SLA234H1, SLA333H1, SMC355H1, SPA375H1, JSU325H1

## Cinema Studies Institute Courses

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### First-Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

## Group A Courses: Foundations

### CIN105Y1 Introduction to Film Study (formerly INI115Y1) [24L/24T/72P]

Introduction to film form (including style and narration), different types of films, and popular approaches to the study of cinema. Topics include: narrative cinema, documentary, *avant-garde*, genre, authorship, ideology, and representation.

Exclusion: INI115Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### CIN201Y1 Film Cultures I: Art and Industry (formerly INI212Y1 Film History/ INI215Y1) [24L/24T/72P]

Examines the practices, theories, and debates surrounding the emergence of cinema through to the development of studio system filmmaking in the first half of the 20th Century. Topics include: film's relation to the other arts, formalist and realist traditions, technological innovations, audiences and reception, and cultural industries.

Prerequisite: CIN105Y1

Exclusion: INI212Y1, INI215Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) + Thought, Belief and Behaviour (2)

**CIN301Y1 Film Cultures II: Politics and Global Media (formerly INI214Y1 Film Theory/ INI314Y1/ INI315Y1) [24L/24T/72S]**

Examines film theory and practice from the 1950s onward, and the impact of media change on earlier film cultures and aesthetics. Topics include: New Wave cinemas, the politicization of theory, spectatorship, counter-cinemas, transnational film and "Global Hollywood", and media theory from the analog to the digital.

Prerequisite: CIN105Y1, CIN201Y1

Exclusion: INI214Y1, INI314Y1, INI315Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) + Thought, Belief and Behaviour (2)

**Group B Courses: Genre and Modes**

**CIN210H1 Horror Film (formerly INI226H1) [12L/12T/36P]**

Horror film as a genre, focusing on three types of international horror: the un-dead, body horror, and the supernatural. The genre's popular appeal, affective power, unique means of producing pleasure, and current global resurgence will be emphasized. Topics include: the aesthetics of gore and violence, technologies of fear, J-Horror, new French extremity, cult fandom and paracinema, and media convergence.

Exclusion: INI226H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**CIN211H1 Science Fiction Film (formerly INI227H1) [12T/36P]**

This course is the study of science fiction films in their cultural and political contexts and the genre's narrative and conceptual components. The goal of the course is to familiarize students with science fiction films as popular genre texts, emphasizing the period between 1950 and the present.

Exclusion: INI227H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**CIN212H1 Cinema and Sensation I: Action/Spectacle (formerly INI222H1) [12L/12T/36P]**

Action movies cement the dominance of commercial cinema, and they largely define the contemporary era of the blockbuster and CGI effects. This course examines the narrative modes and the extremes that action scenes reach, and it explores the commercial and social function of the genre. The course also traces Action's historic reach and global diversity to include its significant precursors and transnational forms that Action cinema takes on.

Exclusion: INI222H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**CIN213H1 Cinema and Sensation II: Sex (formerly INI223H1) [12L/12T/36P]**

Erotic images and sounds have long featured in filmic pleasure and, for just as long, excited controversy. This course examines how sex is articulated on screen and how its regulation suggests broader themes and ideas. Topics include: obscenity laws and the history of film censorship, the eroticized aspects of conventional movies, art cinema, and "adult" erotic films.

Exclusion: INI223H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**CIN310Y1 Avant-Garde and Experimental Film (formerly INI322Y1) [48L/72P]**

Avant-garde films, both canonical and marginal, are examined mainly in the context of modern art and poetry from the 1920s through the 1990s. Films include works from Europe, North America, and Japan. Art contexts range from Cubism, Dada, and Surrealism in the 1920s to Neo-Dada, Abstract Expressionism, Pop, and Postmodernism.

Prerequisite: CIN105Y1

Exclusion: INI322Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**CIN312Y1 Documentary Film (formerly INI325Y1) [48L/48P]**

Critical and historical survey of documentary practice, including cinema vérité, ethnographic experiments, and various hybrid forms, with emphasis on the rhetorical, aesthetic, and political dimensions of the "art of record." Topics include: the filmmaker/subject/audience nexus; historiography, hagiography, and performance; and how emerging technology and new media platforms, evinced in the rise of documentary-based webdocs, i-docs, and webgames, affect the actual production and style of linear documentary, as well as impact earlier models of documentary exhibition, distribution, and viewer engagement alike.

Prerequisite: CIN105Y1

Exclusion: INI325Y1

Recommended Preparation: CIN201Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

**CIN314Y1 Genre, Narrative and Narration in Film (formerly INI329Y1) [48L/72P]**

Study of theoretical-analytical models of film genres, narrative form, and narration. Structuralist, cognitive-neoformalist, and historiographical approaches will be developed. Genres to be studied include: Westerns, musicals, crime films, biography films, gothic and fantastic films, and art cinema.

Prerequisite: CIN105Y1

Exclusion: INI329Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) + Thought, Belief and Behaviour (2)

**CIN320H1 Special Topics in Genre and Modes (formerly INI396H1) [24L/24P]**

Courses in special topics designed for Specialists and Majors in Cinema Studies. Past topics include: "Contemporary Screen Comedy," and "Eco-cinema: The Nature of Film."

Prerequisite: CIN105Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**CIN322H1 Cult Cinema [24L/24P]**

This course examines "cult" and "exploitation" cinema. It examines the growing popularity of cult/exploitation films as an emerging cinematic subculture that valorizes disreputable or "trash" cinema. A number of sub-genres within exploitation film, including teen films, educational/instructional films, sexploitation, and Blaxploitation, will be explored. The social politics of appropriating texts through ironic reading strategies will also be considered.

Prerequisite: CIN105Y1

Exclusion: INI396H1F (2011), CIN320H1F (20145), CIN320H1S (2016)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **CIN410H1 Advanced Study in Genre and Modes (formerly INI460H1) [24P/24S]**

See course description for CIN412H1 listed below.

Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **CIN411H1 Advanced Study in Genre and Modes (formerly INI461H1) [24P/24S]**

See course description for CIN412H1 listed below.

Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **CIN412H1 Advanced Study in Genre and Modes (formerly INI462H1) [24P/24S]**

Consideration of the status of a selected film genre or mode from historical and theoretical perspectives. Past seminars include: "Film Comedy," "Melodrama," "Film Noir," "The End in Cinema," and "The Musical."

Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **CIN420H1 Advanced Studies in Cinema (formerly INI482H1) [24P/24S]**

Seminars in special topics designed for advanced Specialist and Major students in Cinema Studies.

Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **Group C Courses: Social and Cultural Practices**

### **CIN230H1 The Business of Film (formerly INI228H1) [36L/12T]**

Examines cinema as a commercial enterprise, emphasizing production, distribution, and exhibition and the political economy of North American film culture.

This is a Breadth Category 3 course but has been specially-designed to fulfill the Quantitative Reasoning requirement for Cinema Studies Specialists and Majors.

Exclusion: INI228H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

### **CIN240H1 Special Topics in Cinema Studies [12L/12T/36P]**

Course on special topics in Cinema Studies. Topics vary each year.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **CIN330Y1 Feminist Approaches to Cinema (formerly INI323Y1) [48L/48P]**

Gender politics of feminist film culture since the 1970s. Topics include: apparatus theory and its legacy, models of spectatorship, feminist historiography, the cinematic (re)production of identity, the relationship between social movements and cinema, "postfeminism."

Prerequisite: CIN105Y1/ permission of instructor

Exclusion: INI323Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) + Thought, Belief and Behaviour (2)

## **CIN332Y1 Screening Race (formerly INI327Y1) [48L/48P]**

How race functions in cinema. Topics include: the foundational role of racial inscription and its expansion beyond the black/white paradigm, visual ethnography, 'the primitive,' and Orientalism, aboriginal media, the 'Black Atlantic' and Diaspora, Banlieu and exilic film practice and theory, border aesthetics, race and urban space, 'post-race', and the evolving racial imaginary.

Prerequisite: CIN105Y1, CIN201Y1

Exclusion: INI327Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) + Thought, Belief and Behaviour (2)

## **CIN334H1 The Origins of the Animation Industry, 1900-1950: A Technosocial History (formerly INI383H1) [24L/36P]**

An introduction to early animation, considering its vaudeville roots, industrialization, emerging aesthetics, and representational tropes. Examination of the early corpus of animation from 1900-1950, and in-depth study of the artistic, social, and cultural milieux from which animation derived.

Prerequisite: CIN105Y1, CIN201Y1

Exclusion: INI383H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **CIN335H1 American Animation after 1950 [24L/36P]**

This course examines the second fifty years of animation, first by marking Disney's shifting fortunes, then broadening the scope to take in its competitors here and abroad. The global nature of postwar animation has been an odd amalgam of competition and cooperation, of private and public funding, and of film, television, and eventually webcasting, and we will explore some of the changes the form has gone through in the past fifty years or so. Since this is a study of art and of commerce, and of high and low culture, we will view our limited history through the lenses of aesthetics, cultural practices, business decisions, and sometimes political struggle.

Prerequisite: CIN105Y1, CIN201Y1

Exclusion: INI396H1S (2013), CIN320H1S (2014)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **CIN340H1 Special Topics in Cinema as Social and Cultural Practice (formerly INI397H1) [24L/24P]**

Courses in special topics designed for Specialists and Majors in Cinema Studies. Past topics include: "History of Cinematography," and "Everyday Life in the Digital Age."

Prerequisite: CIN105Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**CIN349H1 Screenwriting (formerly INI388H1) [24S]**

Students will develop screenwriting skills under the guidance of a renowned screenwriter-in-residence through a combination of writing workshops and individual consultations. Like the course, the appointment of the Universal Screenwriter-in-Residence occurs biannually.

Prerequisite: CIN105Y1, CIN201Y1, and two additional Cinema Studies full-course equivalents

Exclusion: INI388H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**CIN430H1 Advanced Study in Cinema as Social and Cultural Practice (formerly INI463H1) [24P/24S]**

See course description for CIN432H1 listed below.

Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**CIN431H1 Advanced Study in Cinema as Social and Cultural Practice (formerly INI464H1) [24P/24S]**

See course description for CIN432H1 listed below.

Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor

Breadth Requirement: Creative and Cultural Representations (1)

**CIN432H1 Advanced Study in Cinema as Social and Cultural Practice (formerly INI465H1) [24P/24S]**

Consideration of cinema and its social relations. Past seminars include: "American Independent Film," "Children in the Movies," "Sub-Saharan African Cinema," "International Film Festivals," "Interactive Documentary," "Graphic!," "The Revolution Will/Will Not Be Televised," "Social Problem Films," and "Programming and Curation."

Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**CIN440H1 Advanced Studies in Cinema (formerly INI483H1) [24P/24S]**

Seminars in special topics designed for advanced Specialist and Major students in Cinema Studies. Past seminars include: "Experiential Learning."

Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**Group D Courses: Theory and Criticism**

**CIN250Y1 Directors: Four Studies in Film Authorship (formerly INI224Y1 Great Directors) [48L/48P]**

This course takes four selected directors' films and examines them analytically and interpretively. The purpose of the course is to apply and test the *auteur* theory in the context of concepts of film style and film conventions.

Prerequisite: CIN105Y1

Exclusion: INI224Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**CIN260H1 Selected Topics in Cinema Studies [12L/12T/36P]**

Course on selected topics in Cinema Studies. Past topics include: "New Media."

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**CIN352H1 Issues in Film Authorship I (formerly INI374H1) [24L/24P]**

Advanced study of issues in film authorship through intensive examination of one or more major filmmakers.

Prerequisite: CIN105Y1

Exclusion: INI374H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**CIN353H1 Issues in Film Authorship II (formerly INI375H1) [24L/24P]**

Advanced study of issues in film authorship through intensive examination of one or more major filmmakers.

Prerequisite: CIN105Y1

Exclusion: INI375H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**CIN360H1 Special Topics in Theory and Criticism (formerly INI394H1) [24L/24P]**

Courses in special topics designed for Specialists and Majors in Cinema Studies. Past topics include: "Cinema and Intermediality."

Prerequisite: CIN105Y1, CIN201Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**CIN362H1 Animals and Cinema [24L/24P]**

This course explores cinema's century-long fascination with animals. Its investigations are organized around three central questions. First, what does cinema teach us about animals (why and how we look at animals on film, how we represent and understand animals through film, and what lessons we hope to gain from animals on film)? Second, what do animal films reveal or teach us about the cinema? Third, what are the aesthetic, theoretical, and ethical stakes of such encounters between animals and cinema?

Prerequisite: CIN105Y1, CIN201Y1

Exclusion: INI398H1F (2011), CIN360H1F (2013), CIN340H1S (2016)

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**CIN369H1 Critical Writing on Film (formerly INI384H1) [48L]**

The practice of film criticism: studies of examples of journalistic and scholarly critical writing, practical sessions of process writing, and collaborative editing. Course includes regular film screenings.

Prerequisite: CIN105Y1 and one additional Cinema Studies full-course equivalent/ permission of the instructor

Exclusion: INI384H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**CIN450H1 Advanced Study in Theory and Criticism (formerly INI466H1) [24P/24S]**

See course description for CIN452H1 listed below.

Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **CIN451H1 Advanced Study in Theory and Criticism (formerly INI467H1) [24P/24S]**

See course description for CIN452H1 listed below.

Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **CIN452H1 Advanced Study in Theory and Criticism (formerly INI468H1) [24P/24S]**

Advanced study of select approaches to film theory and criticism. Past seminars include: "Corporeality and the Cinema," "The Cinematic City: Urban Spaces in Film," "Sound and Music in Film," "Expanded Cinema," "Digital Cinema," and "Cinema and Architecture: Scenes, Screens, Studios."

Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **CIN460H1 Advanced Studies in Cinema (formerly INI484H1) [24P/24S]**

Seminars in special topics designed for advanced Specialist and Major students in Cinema Studies.

Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **Group E Courses: History and Nation**

### **CIN270Y1 American Popular Film Since 1970 (formerly INI225Y1) [48L/24T/48P]**

The examination of popular American cinema through its social, political, and commercial practices, and through the study of selected popular films from the 1970s to the present.

Exclusion: INI225Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

### **CIN370H1 Canadian Cinemas (formerly INI385H1) [24L/24P]**

History and diversity of Canadian and Québécois cinemas. Analyses of film and critical frameworks examine how co-productions, multiculturalism, and post-national arguments are re-shaping the production and reception contexts of national cinema. Annual emphasis will be placed on one of the following topics: the emergence of the feature film, Québécois cinema, documentary, or experimental cinema.

Prerequisite: CIN105Y1

Exclusion: FCS391H1, INI385Y1, INI385H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **CIN372Y1 Contemporary World Cinema (formerly INI380Y1) [48L/72P]**

Major contemporary developments beyond Hollywood and European filmmaking, examining a select number of national/regional cinemas: Africa, Korea, Iran, India (Hindi cinema), and Latin America. Topics include: transnationalism, indigenization of generic and stylistic conventions, cultural contexts, distribution networks, film festivals, and reception within a global economy.

Prerequisite: CIN105Y1

Exclusion: INI380Y1

Recommended Preparation: CIN201Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

### **CIN374Y1 American Filmmaking in the Studio Era (formerly INI324Y1) [24L/24T/72P]**

Industrial, economic, ideological, and aesthetic dimensions of the American studio era.

Prerequisite: CIN105Y1

Exclusion: INI324Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

### **CIN376Y1 Chinese Cinemas (formerly INI390Y1) [48L/72P]**

Examination of Chinese films in their three post-World War II production centres: The People's Republic of China, Taiwan, and Hong Kong. Commercial, political, and aesthetic trends; international reception; major *auteurs* and genres. Directors include Tsui Hark, Chen Kaige, Zang Yimou, Edward Yang, John Woo, and Wong Kar-Wai.

Prerequisite: CIN105Y1

Exclusion: INI390Y1

Recommended Preparation: CIN201Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

### **CIN378H1 Aspects of a National Cinema (formerly INI381H1) [24L/24P]**

In-depth treatment of a national cinema. Past courses include: "British Cinema," "Australian and New Zealand Cinema," and "The Other Europe."

Prerequisite: CIN105Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **CIN379H1 Hungarian Cinema (formerly INI378H1) [24L/24P]**

Examines historical trends, influential filmmakers, and social and cultural factors influencing the development of Hungarian cinema, assessing its impact within the context of Eastern Europe and internationally.

Prerequisite: CIN105Y1/ permission of instructor

Exclusion: INI381H1/F (2010) Aspects of a National Cinema: Hungarian Cinema, INI378H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **CIN380H1 Special Topics in History and Nation (formerly INI395H1) [24P/24S]**

Courses in special topics designed for Specialists and Majors in Cinema Studies.

Prerequisite: CIN105Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **CIN389H1 The Logics of Canadian Television (formerly INI387H1) [24L/24P]**

An overview and analysis of Canadian television's history, its current role within the so-called "multi-channel universe," and its future prospects within evolving delivery systems and changing consumption patterns. Topics include: the CBC as official public broadcaster, the future of domestic production, the prospect for niche carriers, and the impact of the internet.



Prerequisite: CIN105Y1/ SMC291Y1/ permission of instructor  
 Exclusion: INI387H1  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: Creative and Cultural Representations (1)

**CIN470H1 Advanced Study in History and Nation (formerly INI469H1) [24P/24S]**

See course description for CIN472H1 listed below.  
 Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: Creative and Cultural Representations (1)

**CIN471H1 Advanced Study in History and Nation (formerly INI470H1) [24P/24S]**

See course description for CIN472H1 listed below.  
 Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: Creative and Cultural Representations (1)

**CIN472H1 Advanced Study in History and Nation (formerly INI471H1) [24P/24S]**

Seminars in historiography and questions of national cinema. Past seminars include: "Film Historiography," "Early Cinema," "Reviewing Hollywood Classicism," "Women Pioneers," "Local Film Cultures: Toronto Sites and Scenes," and "Debating Transnational Cinema."  
 Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: Creative and Cultural Representations (1)

**CIN480H1 Advanced Studies in Cinema (formerly INI485H1) [24P/24S]**

Seminars in special topics designed for advanced Specialist and Major students in Cinema Studies.  
 Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: Creative and Cultural Representations (1)

## Group F Courses: Independent Studies

**CIN490Y1 Independent Studies in Cinema (formerly INI476Y1)**

See course description for CIN492H1 listed below. Not eligible for CR/NCR option.  
 Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: Creative and Cultural Representations (1)

**CIN491H1 Independent Studies in Cinema (formerly INI477H1)**

See course description for CIN492H1 listed below. Not eligible for CR/NCR option.  
 Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: Creative and Cultural Representations (1)

**CIN492H1 Independent Studies in Cinema (formerly INI478H1)**

Independent research projects devised by students and supervised by Cinema Studies faculty. Open to advanced Specialist and Major students in the Program. Submit applications to the Undergraduate Program Office: Fall 2016 courses, June 1/ Winter 2017 courses, November 1/ Summer 2017 courses, April 1. Not eligible for CR/NCR option.  
 Prerequisite: At least ten full-course equivalents, including CIN105Y1, CIN201Y1, CIN301Y1/ permission of instructor  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: Creative and Cultural Representations (1)

## Group G Courses: Cross-Listed

EAS242H1, EAS243H1, EAS431H1, FCS310Y1, FCS331H1, FCS392H1, FIN250H1, FIN260H1, GER250H1, HIS335H1, HIS345H1, HIS459H1, HIS460H1, HIS467H1, ITA240Y1, ITA340H1, ITA341H1, ITA347H1, SLA226H1, SLA234H1, SLA333H1, SMC355H1, SPA375H1, JSU325H1

## Faculty

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### University Professor Emeritus

B.C. Inwood, MA, Ph D, FRSC

### Professors Emeriti

T.D. Barnes, MA, D Phil, FRSC  
R.L. Beck, AM, Ph D (University of Toronto Mississauga)  
A. Dalzell, B Litt, MA  
R.E. Fantham, Ph D  
J.N. Grant, MA, Ph D  
Rev. M.O. Lee, MA, Ph D  
C.J. McDonough, MA, Ph D  
W.E. McLeod, AM, Ph D  
D.P. de Montmollin, D ès L  
J.M. Rist, MA, FRSC  
T.M. Robinson, B Litt, D Litt  
R.M.H. Shepherd, MA  
J.S. Traill, AM, Ph D

### Associate Professors Emeriti

H.J. Mason, AM, Ph D  
C. I. Rubincam BA, Ph D (University of Toronto Mississauga)

### Professor and Chair of the Department

C. F. M. Bruun, MA, Ph D

### Associate Professor and Associate Chair - Graduate Studies

J. Welsh, MA, Ph D

### Associate Professor, Undergraduate Coordinator, and Associate Chair

B. W. Akrigg, MA, PhD

### University Professor

E.J. Weinrib, AM, Ph D, FRSC (Cecil A. Wright Professor of Law)

### Professors

R. Barney, BA, Ph D  
J.S. Burgess, MA, Ph D  
M.J. Dewar, MA, D Phil  
E. Gunderson, MA, Ph D  
A. M. Keith, MA, Ph D, FRSC  
J.C. Magee, MA, Ph D  
M. Revermann, MA, D Phil (University of Toronto Mississauga)  
V. Wohl, MA, Ph D

### Associate Professors

A.E. Bendlin, MA, D Phil (University of Toronto Mississauga)  
K. Blouin, MA, Ph D (University of Toronto Scarborough)  
R. Höschele, MA, Ph D  
E. Lytle, BA, Ph D  
D. Nakassis, MA, Ph D

### Assistant Professors

S. Bernard, Ph D  
B. Chrubasik, D Phil (University of Toronto Mississauga)  
K. Wilkinson, Ph D

## Introduction

Classics is the study of the civilizations of ancient Greece and Rome. This includes their literature, religion, mythology, history, philosophy and art, and also their physical settings, their interactions with surrounding societies, and their influence on later cultures to the present day. The scope of the discipline is vast both in space (not just the territories of the modern states of Greece and Italy but most of western Europe, the Middle East and North Africa) and time (a period of at least two thousand years, from the start of the Bronze Age in Europe in the second millennium B.C. to the dawn of the Middle Ages). Classics at the University of Toronto is not just looking at the past but engaging with issues of compelling and enduring relevance, including: gender and sexuality; the nature of freedom and the basis of political power and legitimacy; how relationships should and do work between parents and children; whether democracy is compatible with imperialism; what it means to be in love; how people cope with the fear of death; and when, if ever, it is right to go to war.

The Department of Classics welcomes students of all academic backgrounds who wish to take courses in the field but do not wish to specialize in Classical Studies. Even without knowing Greek or Latin, students can profitably study Greek and Roman history or Greek and Latin literature in translation - two areas combined under the designation CLA (for Classical Civilization courses) below. Similarly, the Major and Minor Programs in Classical Civilization presuppose no knowledge of the classical languages.

Advanced work in Greek and Latin does require study of the basic language courses in sequence. These are listed below under the designations GRK (for Greek courses) and LAT (for Latin courses). The Department of Classics publishes an undergraduate handbook which may be obtained from the departmental office and is published on the internet; this and other information about the Department is available at:

<http://classics.chass.utoronto.ca/>.

Undergraduate Coordinator: Ben Akrigg

125 Queens Park, room 110 (undergrad.classics@utoronto.ca; 416-978-4848)

Enquiries: 125 Queens Park, room 108 (416-978-5513)

## Classics Programs

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### Classical Civilization Major (Arts Program)

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol.

Required courses: 2 CLA half-courses with a final mark of at least 65% in each. (CLA160H1 is recommended, but not required)

There are no specific requirements for first year. Students are recommended to take CLA160H1 and at least one other CLA course at the 200 level.

7.0 FCEs

1. CLA160H1
2. CLA260H1
3. CLA402H1/CLA403H1
4. 5.5 additional FCEs in CLA, including 2.0 FCEs at the 300+ level

**Substitutions:**

- Up to 3.0 FCEs from approved courses involving the ancient Greek and Roman civilizations taught by other departments, notably Art (e.g., FAH206H1, FAH207H1, FAH300H1-FAH313H1) and Philosophy (e.g., PHL200Y1, PHL301H1-PHL304H1), may be substituted for the 5.5 CLA courses listed under 4. above.
- Up to 2.0 FCEs in GRK or LAT may be substituted for the 5.5 CLA courses listed under 4. above.

**Classical Civilization Minor (Arts Program)**

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol.

Required courses: 2 CLA half-courses with a final mark of at least 65% in each. (CLA160H1 is recommended, but not required).

There are no specific requirements for first year. Students are recommended to take CLA160H1 and one other CLA course at the 200 level.

(4 FCEs)

- CLA160H1
- 3.5 FCEs of CLA courses at the 200+ level, including 1 FCE at the 300+ level

**Substitutions:**

- Up to 2.0 FCEs from approved courses involving the ancient Greek and Roman civilizations taught by other departments, notably Art (e.g., FAH 206H1, FAH207H1, FAH300H1-FAH313H1) and Philosophy (e.g., PHL 200Y1, PHL301H1-PHL304H1), may be substituted for the 3.5 CLA courses listed under 2 above.
- Up to 1.0 FCEs in GRK or LAT may be substituted for the 3.5 CLA courses listed under 2. above.

**Classics (Greek and Latin) Major (Arts Program)**

There are no specific requirements for first year. Students are recommended to take CLA160H1, and in addition GRK101H1 and GRK102H1, and/or LAT101H1 and LAT102H1.

(7 FCEs)

- CLA160H1, CLA260H1
- 6 FCEs of GRK/LAT courses, including:
  - at least 2 FCEs in each of GRK and LAT
  - GRK430H1/LAT430H1
  - one additional half-course at 400-level in either GRK or LAT

**Greek Major (Arts Program)**

There are no specific requirements for first year. Students are recommended to take CLA160H1, GRK101H1 and GRK102H1.

(6 FCEs)

- CLA160H1, CLA260H1
- 4 FCEs of GRK courses, of which 1 FCE must be 300+ level, 1 FCE 400-level, including GRK430H1
- 1 additional FCE of CLA/GRK/LAT

**Greek Minor (Arts Program)**

There are no specific requirements for first year. Students are recommended to take CLA160H1, GRK101H1 and GRK102H1.

(4 FCEs)

- 1 FCE of CLA courses, including CLA160H1
- 3 FCEs of GRK courses, of which at least 1 FCE must be GRK 300+ level

**Latin Major (Arts Program)**

There are no specific requirements for first year. Students are recommended to take CLA160H1, LAT101H1 and LAT102H1.

(6 FCEs)

- CLA160H1, CLA260H1
- 4 FCEs of LAT courses, of which 1 FCE must be at 300+ level, 1 FCE at 400-level, including LAT430H1
- 1 additional FCE of CLA/GRK/LAT

**Latin Minor (Arts Program)**

There are no specific requirements for first year. Students are recommended to take CLA160H1, LAT101H1 and LAT102H1.

(4 FCEs)

- 1 FCE of CLA courses, including CLA160H1
- 3 FCEs of LAT courses, of which at least 1 FCE must be LAT 300+ level

**Medieval Latin Courses in Classics, Greek and Latin programs**

Courses in Mediaeval Latin (i.e. SMC222H1, SMC323H1, SMC436H1) count as LAT courses in all language-based programs (Classics, Greek, Latin).

**Faculty of Arts & Science Language Citation**

The Department of Classics participates in the Faculty of Arts and Science's Language Citation initiative for Ancient Greek and Latin. The study of Ancient Greek and Latin is a demanding and intellectually rewarding educational experience which makes available to the modern student the rich resources of classical texts in the original languages. Successful study of these languages demonstrates intelligence, discipline, analytical sophistication, and an excellent memory. The study of any foreign language provides invaluable insights into the varieties of human culture and expression.

In each language the Language Citation recognizes a significant level of achievement in language study with a high level of academic success.

The Citation in Latin is available to students who complete LAT101H1 and LAT102H1 (or the equivalent prerequisite training) and earn a grade of at least B- in LAT201H1, LAT202H1 and any two LAT half-courses at the 300 level.

The Citation in Ancient Greek is available to students who complete GRK101H1 and GRK102H1 (or the equivalent prerequisite training) and earn a grade of at least B- in GRK201H1, GRK202H1 and any two GRK half-courses at the 300 level.

# Classics

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Students should note that, as explained on page 20 of this Calendar, the Language Citation is not equivalent to an academic program and that enrolment in a program is not necessary in order to earn the recognition bestowed by the Citation.

## Classics Courses

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### NOTE

CLA courses are taught in English; all readings are in English. CLA courses do not require knowledge of Greek or Latin.

### First-Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

#### CLA160H1 Introduction to Classical Studies [36L/10T]

An introduction to major themes in the development of Greek and Roman civilization, literature and culture.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

#### CLA201H1 Latin & Greek in Scientific Terminology [36L]

The study of technical and scientific terms derived from Latin and Greek: word elements, formation, analysis. The course is designed to give students in any field of specialization a better grasp of the derivation and basic meaning of English words derived from Latin and Greek elements.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

#### CLA203H1 Science in Antiquity [36L]

The first scientific traditions in the classical Mediterranean and the Near East, with emphasis on Greek science. Discussions of early physical science, biology, mathematics, and astronomy, and their place in ancient life and thought, based on primary sources in translation. Designed for students in both the sciences and humanities.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

#### CLA204H1 Introduction to Classical Mythology [36L]

A survey of the myths and legends of ancient Greece (and their extension to Rome) with some consideration of their role in ancient and modern literature and art.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

#### CLA219H1 Women in Antiquity [36L]

A survey of the position of women in ancient Greece and Rome, with focus on women's sexuality and socialization; their economic, religious, and political roles; and their creative production in the arts.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

#### CLA230H1 Introduction to Greek History [36L]

A historical survey of the most significant features in the development of the civilization and states of ancient Greece from the Bronze Age to the second century B.C.E.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

#### CLA231H1 Introduction to Roman History [36L]

A historical survey of the most significant features in the development of the civilization and state of ancient Rome from the mythical beginnings to the fourth century C.E.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

#### CLA232H1 Introduction to Greek Society and Culture [36L]

A general introduction to the society and culture of Ancient Greece.

Topics may include literature, art, social customs, gender and sexuality, daily life, and religious festivals (the theatre, the Olympic Games etc.).

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

#### CLA233H1 Introduction to Roman Society and Culture [36L]

A general introduction to the society and culture of Ancient Rome. Topics may include literature, art, social customs, gender and sexuality, daily life, and religious festivals (the circus, the gladiatorial games etc.).

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

#### CLA236H1 Greek and Roman Epic [36L]

A study of one or more of the epic poems of Greek and Roman antiquity (e. g. *The Iliad* and *Odyssey* of Homer and the *Aeneid* of Virgil).

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

#### CLA260H1 Method and Theory in Classics [36L]

An introduction to key issues in methodology and theory in the study of the classical world.

Distribution Requirement Status: Humanities

Breadth Requirement: None

#### CLA299Y1 Research Opportunity Program [TBA]

Credit course for supervised participation in faculty research project.

Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## 300-Series Courses

Most 300-series courses have specific prerequisites, which are enforced. Students seeking exemption from these prerequisites should contact the undergraduate coordinator *before* attempting to enroll in them on ACORN.

Students enrolled in the Major and Minor Programs in Classical Civilization have priority access to these courses.

Only 8 to 10 half-courses at the 300-level are offered in a typical Fall-Winter Session.

**CLA303H1 The Ancient Novel [36S]**

An introduction to the Greek romances of love and adventure (Chariton, Longus, Heliodorus), and the more ironical and socially conscious works of the Roman writers Petronius and Apuleius.

Prerequisite: CLA160H1 + 1 of

CLA204H1/CLA219H1/CLA232H1/CLA233H1/CLA236H1/CLA260H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**CLA305H1 Theories of Myth [36S]**

A detailed study of the major modern approaches to the analysis and interpretation of myth with specific reference to their applications to ancient Graeco-Roman myth.

Prerequisite: CLA204H1 + 1 OF CLA160H1/CLA260H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**CLA308H1 Religion in the Greek World [36S]**

A study of the religious cults and forms of worship in the ancient Greek world.

Prerequisite: CLA160H1 + 1 of

CLA204H1/CLA230H1/CLA232H1/CLA236H1/CLA260H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**CLA310H1 Religion in the Roman World [36S]**

A study of the religious cults and forms of worship in the Roman world, including the pagan cults, Judaism, and early Christianity.

Prerequisite: CLA160H1 + 1 of

CLA204H1/CLA231H1/CLA233H1/CLA236H1/CLA260H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**CLA319H1 Sexuality and Gender in Classical Literature [36S]**

Detailed study of the representation of sexuality and gender in Greek and/or Roman literary texts from one or more genres.

Prerequisite: CLA160H1 + 1 of

CLA219H1/CLA232H1/CLA233H1/CLA260H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**CLA321H1 Sport and Festival [36S]**

An examination of various aspects of athletic competition in the ancient Greco-Roman world, employing literary and archaeological evidence.

Prerequisite: CLA160H1 + 1 of

CLA230H1/CLA231H1/CLA232H1/CLA233H1/CLA236H1/CLA260H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**CLA322H1 Classical Reception [36S]**

Modern reception of the classical world in a variety of media, such as art, literature, music, popular culture, etc.

Prerequisite: CLA160H1 + 1 of

CLA204H1/CLA219H1/CLA230H1/CLA231H1/CLA232H1/CLA233H1/CLA236H1/CLA260H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**CLA336H1 Roman Law [36S]**

Roman law with emphasis on how it reflected community values. The nature of Roman legal reasoning. The historical development of Roman law against the background of the evolution of Roman society and Roman power.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**CLA362H1 Early Greece [36S]**

The Greek world from the second millennium B.C.E. to the emergence of the *polis*

Prerequisite: CLA160H1 + 1 of CLA230H1/CLA260H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**CLA363H1 Archaic and Classical Greece [36S]**

The Greek world from the eighth to the fourth centuries B.C.E., with an emphasis on political events and development.

Prerequisite: CLA160H1 + 1 of CLA230H1/CLA260H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**CLA364H1 The Hellenistic World [36S]**

The Greek world in the age of Alexander the Great and his successors (336 B.C.E. to 31 B.C.E.)

Prerequisite: CLA160H1 + 1 of CLA230H1/CLA260H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**CLA366H1 Topics in the Study of Greek History [36S]**

Topics vary from year to year.

Prerequisite: CLA160H1 + 1 of CLA230H1/CLA260H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**CLA367H1 The Roman Republic [36S]**

The Roman world from 510 B.C.E. to 44 B.C.E.

Prerequisite: CLA160H1 + 1 of CLA231H1/CLA260H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**CLA368H1 Augustus and the Julio-Claudians [36S]**

The Roman world in the age of Augustus and his dynasty (44 B.C.E. to 68 C.E.)

Prerequisite: CLA160H1 + 1 of CLA231H1/CLA260H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**CLA369H1 The Roman Empire [36S]**

The Roman world from 68 C.E. to 378 C.E.

Prerequisite: CLA160H1 + 1 of CLA231H1/CLA260H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**CLA371H1 Topics in the Study of Roman History [36S]**

Topics vary from year to year.

Prerequisite: CLA160H1 + 1 of CLA231H1/CLA260H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

# Classics

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## **CLA372H1 The Economic History of the Classical World [36S]**

The structure and performance of economies in the Greek and/or Roman worlds, and their modern interpretation.

Prerequisite: CLA160H1 + 1 of CLA230H1/CLA231H1/CLA260H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **CLA373H1 The Environment in the Greco-Roman World [36S]**

An exploration of the ecology and environment of the ancient Mediterranean basin in classical antiquity.

Prerequisite: CLA160H1 + 1 of CLA230H1/CLA231H1/CLA260H1

Distribution Requirement Status: Humanities

Breadth Requirement: Living Things and Their Environment (4)

## **CLA378H1 Late Antiquity [36S]**

The history and culture of the Greco-Roman world during the fourth through seventh centuries C.E., with particular emphasis on the decline of the Roman state and emergence of Christianity.

Prerequisite: CLA160H1 + 1 of CLA231H1/CLA233H1/CLA260H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **CLA382H1 Tragedy [36S]**

The study of classical tragedy as a literary genre, dramatic production, and social institution, with analysis of representative plays.

Prerequisite: CLA160H1 + 1 of

CLA204H1/CLA219H1/CLA230H1/CLA232H1/CLA236H1/CLA260H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **CLA383H1 Comedy [36S]**

The origin and development of Greek and Roman comedy, based on a study of representative plays.

Prerequisite: CLA160H1 + 1 of

CLA219H1/CLA230H1/CLA231H1/CLA232H1/CLA233H1/CLA236H1/CLA260H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **CLA386H1 Classical Literature in Translation [36S]**

Study of a selection of Greek and Roman literary texts from one or more genres.

Prerequisite: CLA160H1 + 1 of

CLA204H1/CLA219H1/CLA232H1/CLA233H1/CLA236H1/CLA260H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **CLA387H1 Spectacle in the Roman World [36S]**

The role in Roman society and culture of public spectacles, including the chariot-races, the gladiatorial games, executions, and triumphal processions.

Prerequisite: CLA160H1 + 1 of CLA231H1/CLA233H1/CLA260H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **CLA388H1 Classical Antiquity and the Cinema [36S]**

A study of the representation of ancient Greece and/ or Rome in cinema.

Prerequisite: CLA160H1 + 1 of

CLA219H1/CLA232H1/CLA233H1/CLA260H1; or INI115Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **CLA389H1 Classical Spaces: Sites and Monuments [36S]**

A close study of one or more sites in the ancient world and the cultural significance of the site(s) in question.

Prerequisite: CLA160H1 + 1 of

CLA230H1/CLA231H1/CLA232H1/CLA233H1/CLA260H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **CLA392H1 Topics in the study of Classical Culture and Society [36S]**

Topics vary from year to year.

Prerequisite: CLA160H1 + 1 of

CLA219H1/CLA232H1/CLA233H1/CLA260H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **CLA398H0 Research Excursions [TBA]**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **CLA399Y0 Research Excursions [TBA]**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **CLA400H1 Independent Studies (formerly CLA400Y1) [TBA]**

Independent Studies. Not eligible for CR/NCR option.

Prerequisite: Permission of Department

Exclusion: CLA400Y1

Recommended Preparation: Preferably 1 FCE in the CLA 300-series

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **CLA401H1 Independent Studies [TBA]**

Independent Studies. Not eligible for CR/NCR option.

Prerequisite: Permission of Department

Recommended Preparation: Preferably 1 FCE in the CLA 300 series

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **CLA402H1 Advanced Seminar in Greek Civilization [36S]**

An advanced research seminar devoted to critical issues relating to Greek civilization. Course requirements include a research essay.

Topics vary from year to year.

Prerequisite: Enrolment in Major Program in Classical Civilization; 14.0

FCEs completed including 1.0 in CLA 300-series

Exclusion: CLA403H1

Distribution Requirement Status: Humanities

Breadth Requirement: None

**CLA403H1 Advanced Seminar in Roman Civilization [36S]**

An advanced research seminar devoted to critical issues relating to Roman civilization. Course requirements include a research essay. Topics vary from year to year.

Prerequisite: Enrolment in Major Program in Classical Civilization; 14.0

FCEs completed including 1.0 in CLA 300-series

Exclusion: CLA402H1

Distribution Requirement Status: Humanities

Breadth Requirement: None

## Greek Courses

These courses teach reading in ancient Greek. Prerequisites will be enforced. GRK101H1 requires no prior knowledge in ancient Greek. Courses in Greek taught by the Department of Classics involve the study of the form of the language employed in antiquity from about 800 B.C.E. to 400 C.E. The Department of Classics does not offer instruction in Medieval or Modern Greek.

**GRK101H1 Introductory Ancient Greek I (formerly GRK 100Y1) [48S]**

An intensive introduction to Ancient Greek for students who have no knowledge of the language; preparation for the reading of Ancient Greek literature.

Exclusion: GRK100Y1 Students who have studied Ancient Greek previously must obtain permission from the Undergraduate Coordinator before enrolling.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**GRK102H1 Introductory Ancient Greek II [48S]**

A continuation of the intensive introduction to Ancient Greek in GRK 101H1. Also appropriate for students who have some training in Ancient Greek, but have not completed a whole credit course at University or a final-year (Grade 12) course in secondary school.

Prerequisite: GRK101H1/some background in Ancient Greek

Exclusion: GRK100Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**GRK201H1 Intermediate Ancient Greek I [48S]**

Reading of selections of Ancient Greek prose works with systematic language study.

Prerequisite: GRK100Y1/GRK102H1. Grade 12 in Ancient Greek may be accepted, but students should consult the Undergraduate Coordinator before enrolling.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**GRK202H1 Intermediate Ancient Greek II [48S]**

Continued language training with readings in Ancient Greek prose and verse.

Prerequisite: GRK201H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## 300/400 series courses

Note:

Frequency of Offering: in each fall-winter session, GRK430H1 will be offered and a minimum of 3 half-courses in each of the GRK 300 and 400-series. In odd-numbered years the courses offered in the 300 and 400-series will normally be drawn from those with odd numbers, and in

even-numbered years from those with even numbers.

**GRK340H1 Greek Philosophy I [36S]**

Readings from one or more philosophical texts.

Prerequisite: GRK202H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**GRK341H1 Greek Historians I [36S]**

Readings from one or more Greek Historians.

Prerequisite: GRK202H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**GRK342H1 Greek Orators I [36S]**

Readings from from one or more oratorical texts.

Prerequisite: GRK202H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**GRK343H1 Greek Prose Authors I [36S]**

Readings from Greek prose authors (e.g., biography, novels, essays, texts in *koine*).

Prerequisite: GRK202H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**GRK350H1 Greek Epic I [36S]**

Readings from Greek epics, including Homer.

Prerequisite: GRK202H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**GRK351H1 Greek Comedy I [36S]**

Readings from Aristophanes and Menander.

Prerequisite: GRK202H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**GRK352H1 Greek Tragedy I [36S]**

Readings from Aeschylus, Sophocles and Euripides.

Prerequisite: GRK202H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**GRK353H1 Greek Verse Authors I [36S]**

Readings from Greek verse (e.g., elegy, iambics, lyric).

Prerequisite: GRK202H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**GRK428H1 Independent Studies (formerly GRK428Y1) [TBA]**

Independent Studies. Not eligible for CR/NCR option.

Prerequisite: Permission of Department

Exclusion: GRK428Y1

Recommended Preparation: Usually 1 FCE from GRK 300-level courses

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

# Classics

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## **GRK429H1 Independent Studies [TBA]**

Independent Studies. Not eligible for CR/NCR option.  
Prerequisite: Permission of Department  
Recommended Preparation: Usually 1 FCE from GRK 300-series courses  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **GRK430H1 Advanced Greek Language Study [36S]**

A course designed to enhance language skills. Prose composition, sight translation, stylistic analysis of classical Greek prose.  
Prerequisite: GRK340H1/GRK341H1/GRK342H1/GRK343H1  
Exclusion: GRK330H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **Courses numbered GRK440H1 to GRK453H1**

Courses numbered GRK440H1 to GRK453H1 are advanced versions of the courses with the same titles at the 300-level (GRK340H1 - GRK353H1). They differ from the 300-level versions in meeting for an extra hour, studying more texts, and including a component of integrative, inquiry-based research.

## **GRK440H1 Greek Philosophy II [48S]**

Advanced readings from one or more philosophical texts.  
Prerequisite: One FCE in the GRK 300-series  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **GRK441H1 Greek Historians II [48S]**

Advanced readings from one or more Greek historians.  
Prerequisite: One FCE in the GRK 300-series  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **GRK442H1 Greek Orators II [48S]**

Advanced readings from one or more oratorical texts.  
Prerequisite: One FCE in the GRK 300-series  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **GRK443H1 Greek Prose Authors II [48S]**

Advanced readings from Greek prose authors (e.g., biography, novels, essays, texts in *koine*).  
Prerequisite: One FCE in the GRK 300-series  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **GRK450H1 Greek Epic II [48S]**

Advanced readings from Greek epics, including Homer.  
Prerequisite: One FCE in the GRK 300-series  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **GRK451H1 Greek Comedy II [48S]**

Advanced readings from Aristophanes and Menander.  
Prerequisite: One FCE in the GRK 300-series  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **GRK452H1 Greek Tragedy II [48S]**

Advanced readings from Aeschylus, Sophocles and Euripides.  
Prerequisite: One FCE in the GRK 300-series  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **GRK453H1 Greek Verse Authors II [48S]**

Advanced readings from Greek verse (e.g., elegy, iambic, lyric).  
Prerequisite: One FCE in the GRK 300-series  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

# Latin Courses

These courses teach reading in Latin. Prerequisites will be enforced. LAT101H1 requires no prior knowledge of Latin.

## **LAT101H1 Introductory Latin I (formerly LAT 100Y1) [48S]**

An intensive introduction to Latin for students who have no knowledge of the language; preparation for the reading of Latin literature.  
Exclusion: LAT100Y1. Students who have studied Latin previously must obtain permission from the Undergraduate Coordinator before enrolling.  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **LAT102H1 Introductory Latin II [48S]**

A continuation of the intensive introduction to Latin in LAT 101H1. Also appropriate for students who have some training in Latin, but have not completed a whole credit course at University or a final-year (Grade 12) course in secondary school.  
Prerequisite: LAT101H1/some background in Latin  
Exclusion: LAT100Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **LAT201H1 Intermediate Latin I [48S]**

Reading of selections of Latin prose works with systematic language study.  
Prerequisite: LAT100Y1/LAT102H1. Grade 12 in Latin may be accepted, but students should consult the Undergraduate Coordinator before enrolling.  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **LAT202H1 Intermediate Latin II [48S]**

Continued language training with readings in Latin prose and verse.  
Prerequisite: LAT201H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **SMC222H1, Medieval Latin I**

SMC222H1 Medieval Latin I  
See St. Michael's College

## **300/400 -Series Courses**

### Notes

Frequency of Offering: in each fall-winter session, LAT430H1 will be offered and a minimum of 3 half-courses in each of the LAT 300 and 400-series. In odd-numbered years the courses offered in the 300 and 400-series will normally be drawn from those with odd numbers, and in even-numbered years from those with even numbers.



**SMC323H1 Mediaeval Latin II**

SMC323H1 Mediaeval Latin II  
See St. Michael's College

**LAT340H1 Latin Novelists I [36S]**

Readings from one or more Latin novelists.  
Prerequisite: LAT202H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

**LAT341H1 Latin Historians I [36S]**

Readings from one or more Latin historians.  
Prerequisite: LAT202H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

**LAT342H1 Latin Orators I [36S]**

Readings from Latin orators, including Cicero.  
Prerequisite: LAT202H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

**LAT343H1 Latin Prose Authors I [36S]**

Readings from Latin prose authors (e. g. biography, letters, philosophy).  
Prerequisite: LAT202H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

**LAT350H1 Latin Epic I [36S]**

Readings from one or more Latin epics, including Virgil.  
Prerequisite: LAT202H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

**LAT351H1 Latin Drama I [36S]**

Readings from Latin comedy and/or tragedy.  
Prerequisite: LAT202H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

**LAT352H1 Latin Satire I [36S]**

Readings from one or more Latin satirists.  
Prerequisite: LAT202H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

**LAT353H1 Latin Verse Authors I [36S]**

Readings from Latin verse (e. g. elegy, lyric, bucolic).  
Prerequisite: LAT202H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

**LAT428H1 Independent Studies (formerly LAT428Y1) [TBA]**

Independent Studies. Not eligible for CR/NCR option.  
Prerequisite: Permission of Department  
Exclusion: LAT428Y1  
Recommended Preparation: Usually 1 FCE from LAT 300-series  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

**LAT429H1 Independent Studies [TBA]**

Independent Studies. Not eligible for CR/NCR option.  
Prerequisite: Permission of Department  
Recommended Preparation: Usually 1 FCE from LAT 300-series  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

**LAT430H1 Advanced Latin Language Study (formerly LAT330H1) [36S]**

A course designed to enhance language skills. Prose composition, sight translation, stylistic analysis of Latin prose.  
Prerequisite: LAT340H1/LAT341H1/LAT342H1/LAT343H1  
Exclusion: LAT330H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

**Courses numbered LAT440H1 to LAT453H1**

Courses numbered LAT 440H1 to LAT453H1 are advanced versions of the courses with the same titles at the 300-level (LAT340H1 - LAT353H1). They differ from the 300-level versions in meeting for an extra hour, studying more texts, and including a component of integrative, inquiry-based research.

**LAT440H1 Latin Novelists II [48S]**

Advanced readings from one or more Latin novelists.  
Prerequisite: One FCE in the LAT 300-series  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

**LAT441H1 Latin Historians II [48S]**

Advanced readings from one or more Latin historians.  
Prerequisite: One FCE in the LAT 300-series  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

**LAT442H1 Latin Orators II [48S]**

Advanced readings from Latin orators, including Cicero.  
Prerequisite: One FCE in the LAT 300-series  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

**LAT443H1 Latin Prose Authors II [48S]**

Advanced readings from Latin prose authors (e. g. biography, letters, philosophy).  
Prerequisite: One FCE in the LAT 300-series  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

**LAT450H1 Latin Epic II [48S]**

Advanced readings from one or more Latin epics, including Virgil.  
Prerequisite: One FCE in the LAT 300-series  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

**LAT451H1 Latin Drama II [48S]**

Advanced readings from Latin comedy and/or tragedy.  
Prerequisite: One FCE in the LAT 300-series  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

# Classics

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## **LAT452H1 Latin Satire II [48S]**

Advanced readings from one or more Latin satirists.

Prerequisite: One FCE in the LAT 300-series

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **LAT453H1 Latin Verse Authors II [48S]**

Advanced readings from Latin verse (e. g. elegy, lyric, bucolic).

Prerequisite: One FCE in the LAT 300-series

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SMC436H1 Advanced Mediaeval Latin Seminar**

SMC436H1 Advanced Mediaeval Latin Seminar

See St. Michael's College

Enquiries: Isabel Bader Theatre, 93 Charles Street. 3rd Floor (416-813-4041)

## Faculty

### Professors Emeriti

J.E. Chamberlin, BA, Ph D, FRSC, D.Litt (hon.)  
L. Dolezel, MA, Ph D, FRSC  
J.A. Fleming, MA, Ph D  
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M.J. Valdes, MA, Ph D, FRSC, Miembro Correspondiente de la Academia Mexicana  
L.A.M. Hutcheon, MA, Ph D, FRSC, D.Litt (hon.)  
N. Davis, BA, MA, PhD, FAmAcAs, CFBraC

### Associate Professor and Director of the Centre

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### Associate Professor and Co-ordinator of Graduate Studies

J. Ross, BA, MA, PhD

### Professors

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T. Lahusen, MA, Ph D  
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J. LeBlanc, MA, Ph D  
N. ten Kortenaar, BA, MA, PhD

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R. Comay, MA, Ph D  
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B. Havercroft, MA, Ph D  
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V. Li, MA, Ph.D  
Y. Meng, MA, Ph.D  
S.J. Rupp, MA, Ph D  
A. Sakaki, MA, PhD  
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J. Ross, BA, MA, PhD  
M. Nyquist, BA, MA, PhD

### Assistant Professors

R. Bai, BA, MA, Ph D  
A. Budde, MA, Ph.D  
A. Komaromi, MA, Ph D

### Northrop Frye Visiting Professor

TBA

## Introduction

The Centre for Comparative Literature offers M.A. and Ph.D. degree programs of study in every major area from medieval to contemporary literatures with particular emphasis on literary theory and criticism, to candidates qualified to pursue literary studies involving several languages. Provided the language requirements of the Centre are satisfied, students may pursue theoretical issues that cross traditional disciplines. In addition, the Centre offers many undergraduate courses.

## Comparative Literature Courses

### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### JUC299Y1 Research Opportunity Program

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

### JDC400Y1 Redefining Security through Art [48L/48T]

Articulates a cultural approach to achieving Human Security. This course examines human security issues in which there is a significant cultural dimension to a security threat, and in which culture occupies an essential place in any realistic and effective solution. The work of artists to be analyzed include: Ariane Mnouchkine; Robert Lepage; Bertolt Brecht; John Greyson, Mohsen Makhmalbaf, Terry George and Daniel Barenboim. Not offered in 2016/17.

Prerequisite: 14 FCE, Specialist or Major in Drama and permission of the instructor.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### COL490H1 Independent Study [TBA]

A scholarly project supervised by a member of staff on a literary topic of common interest including readings, discussions, and papers. Not eligible for CR/NCR option.

Prerequisite: Permission of the Centre for Comparative Literature

Distribution Requirement Status: Humanities

Breadth Requirement: None

### COL490Y1 Independent Study [TBA]

A scholarly project supervised by a member of staff on a literary topic of common interest including readings, discussions, and papers. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## Faculty

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### University Professor Emeritus

S. Cook, SM, PhD, FRS, FRSC

### Professors Emeriti

R. Baecker, MSc, PhD  
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J. Mylopoulos, MSc, PhD, FRSC  
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### Senior Lecturer Emeritus

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### University Professor

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### Professor and Chair of the Department

R. Balakrishnan, MSc, PhD

### Professor and Vice Chair of the Department

M. Chechik, MSc, PhD

### Professor and Associate Chair (Graduate Studies)

P. Marbach, MSc, PhD

### Associate Professor, Teaching Stream and Associate Chair (Undergraduate Studies)

F. Pitt, MSc, PhD

### Professors

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### Associate Professors

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### Associate Professors, Teaching Stream

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M. Craig, MSc  
S. Engels, MMath  
T. Fairgrieve, MSc, PhD  
P. Gries, MEng  
D. Heap, MSc  
D. Horton, MSc  
F. Pitt, MSc, PhD  
K. Reid, MSc

### Assistant Professors, Teaching Stream

D. Liu, MSc  
J. Smith, MSc

### Cross Appointed

C. Amza, PhD  
G. Bader, PhD  
C. Beck, PhD  
M. Consens, PhD  
B. Frey, PhD  
A. Goel, PhD  
M. Gruninger, PhD  
A. Jacobsen, MSc, PhD  
P. Kim, PhD  
B. Li, MSc, PhD  
D. Lie, PhD  
J. Liebeherr, PhD  
K. Lyons, MSc, PhD  
E. Mendelsohn, MSc, PhD (Professor Emeritus) (University of Toronto Scarborough)  
A. Mihailidis, PhD  
Q. Morris, PhD  
A. Moses, PhD  
C. Munteanu, PhD  
F. Roth, PhD

D. Roy, PhD  
M. Stumm, MSc (Math), PhD  
A. Urquhart, MA, PhD (Professor Emeritus)  
A. Veneris, MSc, PhD  
E. Yu, MSc, PhD  
D. Yuan, PhD  
Z. Zhang, PhD  
M. Chignell, MSc, PhD

## Adjunct and Status Only

P. Andritsos, PhD  
D. Aruliah, PhD  
J. Birnholtz, PhD  
A. Borgida, PhD  
B. Buxton, MSc  
F. Chevalier, PhD  
A. Fazley, PhD  
C. Forlines, PhD  
A. Goldenberg, PhD  
M. Grech, MBA  
B. Haibe-Kains, PhD  
A. Hertzmann, PhD  
M. Hoffman, PhD  
R. Johnson, PhD  
I. Jurisica, PhD  
G. Lakemeyer, PhD  
C. Landreth, MS  
Y. Lesperance, MSc, PhD  
R. Lilien, PhD  
K. Moffat, PhD  
J. Parkinson, PhD  
K. Pu, PhD  
F. Rudzicz, PhD  
P. Salvini, PhD  
R. Schmidt, PhD  
J. Simpson, PhD  
J. Stam, PhD  
B. Taati, PhD  
T. Topaloglou, PhD  
J. Tsotsos, PhD

## Introduction

What is Computer Science?

Despite the name, Computer Science is not really a science of computers at all. Computers are quite remarkable electronic devices, but even more remarkable is what they can be made to do: simulate the flow of air over a wing, manage communication over the Internet, control the actions of a robot, synthesize realistic images, play grandmaster-level chess, and on and on. Indeed the application of computers in activities like these has affected most areas of modern life. What these tasks have in common has little to do with the physics or electronics of computers; what matters is that they can be formulated as some sort of computation. This is the real subject matter of Computer Science: computation, and what can or cannot be done computationally.

In trying to make sense of what we can get a computer to do, a wide variety of topics come up. There are, however, two recurring themes. The first is the issue of scale: how big a system can we specify without getting lost in the design, or how big a task can a computer handle within reasonable bounds of time, memory, and accuracy. A large part of Computer Science deals with these questions in one form or another. In the area of programming languages and methodology, for example, we look for notations for describing computations, and programming

methodologies that facilitate the production of manageable and efficient software. In the theory of computation area, we study resource requirements in time and memory of many basic computational tasks.

The second theme concerns the scope of computation. Computers were originally conceived as purely numerical calculators, but today, we tend to view them much more broadly. Part of Computer Science is concerned with understanding just how far computational ideas can be applied. In the area of artificial intelligence, for example, we ask how much of the intelligent behaviour of people can be expressed in computational terms. In the area of human-computer interaction, we ask what sorts of normal day-to-day activities of people might be supported and augmented using computers.

Some Computer Science courses are offered in the evening, to allow part-time students to pursue our programs. Introductory courses and some higher-level courses are offered in the summer.

The Professional Experience Year Program (PEY) offers students the opportunity to gain valuable work experience in industry, over a twelve to sixteen-month period. It is available to eligible, full-time students. Students may also take advantage of the International Exchange Program offered by CIE. Please refer to the Student Services & Resources chapter of this Calendar.

Associate Chair (Undergraduate Studies): Associate Professor, Teaching Stream Francois Pltt

Student Counsellors, Undergraduate Office: Bahen Building, 40 St. George Street, Rooms 4252/4254/4256, M5S 2E4 (416-978-6360), email: [ug@cs.utoronto.ca](mailto:ug@cs.utoronto.ca).

Web site: [www.cs.toronto.edu](http://www.cs.toronto.edu)

## Computer Science Programs

Tuition fees for students enrolled in Computer Science Specialist and Major programs are higher than those for most Arts and Science programs. For more information visit [www.fees.utoronto.ca](http://www.fees.utoronto.ca).

### Computer Science Specialist (Science program)

This is a limited enrolment program (Type 2L) that can only accommodate a certain number of students. Eligibility is based on the following criteria:

A. Completion of at least 4.0 FCEs including CSC148H1/CSC207H1 (with a minimum grade of 60%) and CSC165H1/CSC236H1/CSC240H1 (with a minimum grade of 60%), AND

B. An average of the grades in CSC148H1/CSC207H1 and CSC165H1/CSC236H1/CSC240H1 that meets the department's annual cutoff. When more than one course has been completed from a list of alternatives, the higher grades will be used. Also, CSC240H1 grades will be adjusted to account for the course's greater difficulty. Finally, note that *the cutoff changes from year to year*, depending on the current capacity of the program and the pool of applicants. For more information, including historical data, please visit <http://web.cs.toronto.edu/program/ugrad/admission.htm>.

Note that students admitted to the program after second or third year will be required to pay retroactive program fees.

(12.0 full course equivalents [FCEs], including at least 1.5 FCEs at the 400-level)

First year (2.5 FCEs):

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1. (CSC108H1, CSC148H1)/CSC150H1, CSC165H1/CSC240H1; (MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1

Second year (3.5 FCEs):

2. CSC207H1, CSC209H1, CSC236H1/CSC240H1, CSC258H1, CSC263H1/CSC265H1; MAT221H1/MAT223H1/MAT240H1; STA247H1/STA255H1/STA257H1

Notes:

1. Students with a strong background in an object-oriented language such as Python, Java or C++ may omit CSC108H1 and proceed directly with CSC148H1. [There is no need to replace the missing half-credit for program completion; however, please base your course choice on what you are ready to take, not on “saving” a half-credit].
2. CSC240H1 is an accelerated and enriched version of CSC165H1 plus CSC236H1, intended for students with a strong mathematical background, or who develop an interest after taking CSC165H1. If you take CSC240H1 without CSC165H1, there is no need to replace the missing half-credit for program completion; but please see Note 1.
3. Consult the Undergraduate Office for advice about choosing among CSC108H1 and CSC148H1, and between CSC165H1 and CSC240H1.

Later years (6.0 FCEs):

3. CSC369H1, CSC373H1/CSC375H1

4. 5.0 FCEs from the following:

- Any 300-/400-level CSC course;
- BCB410H1, BCB420H1, BCB430Y1;
- ECE385H1, ECE489H1;
- MAT224H1, MAT235Y1/MAT237Y1/MAT257Y1, any 300-/400-level MAT course except MAT329Y1, MAT390H1, MAT391H1;
- STA248H1/STA261H1, any 300-/400-level STA course

with at most 2.0 FCEs from MAT or STA courses, and at least 1.5 FCEs from 400-level CSC, BCB, or ECE courses.

No more than 1.0 FCE from CSC490H1, CSC491H1, CSC494H1, CSC495H1, BCB430Y1 may be used to fulfill program requirements

The choices in 4 must satisfy the requirement for an integrative, inquiry-based activity by including one of the following half-courses: CSC301H1, CSC318H1, CSC404H1, CSC411H1, CSC418H1, CSC420H1, CSC428H1, CSC454H1, CSC485H1, CSC490H1, CSC491H1, CSC494H1, CSC495H1. This requirement may also be met by participating in the PEY (Professional Experience Year) program.

## Preparing for graduate study in Computer Science

Strong students should consider the option of further study in graduate school (where the degrees offered are typically M.Sc. and Ph.D.). If you find yourself frequently receiving marks in the B+ range or better, you should consult with faculty members to learn more about graduate school and whether it would be a good option for you. You will want to ask for advice on your particular interests—and you will find faculty members are happy to talk to you—but there are also some course choices that should be considered by all students thinking of graduate study in Computer Science.

The focuses can help you further refine your areas of interest, but you should not take courses exclusively in one area. You will benefit by having taken an advanced course requiring considerable software development and a theory course.

It will be especially beneficial to have done a project course (CSC494H1/CSC495H1), a capstone course (CSC490H1/CSC491H1), and/or a summer research project. It is good if this individual work is in the area where you eventually decide you'd like to do your own research,

but that is not essential; what you need most is some experience doing work on your own, under the mentorship of an experienced researcher.

## Choosing courses

This program offers considerable freedom to choose courses at the 300-/400-level, and you are free to make those choices on your own. We are eager to offer guidance, however, and both our Undergraduate Office and individual faculty members are a rich source of advice.

## Computer Science Specialist: Focuses

You have the option of completing one or more of the focuses defined below. Focuses are sets of courses that direct you toward expertise in particular areas of Computer Science, such as game design, theory of computation, or human-computer interaction. These focuses are meant to guide your course selection, not to constrain it. Each focus has at least one faculty member who would be happy to discuss the focus with you.

More information about each of the focuses can be found on our web site at <http://web.cs.toronto.edu/program/ugrad/programs.htm>

Each focus has a set of required courses that must be completed to satisfy the focus. Most focuses also have an additional list of related courses that students in the focus may find interesting. In some cases these are courses offered by different departments or faculties. Note that you must petition to take Engineering courses or graduate-level courses.

In many cases, the courses required for the focus will also satisfy Specialist program requirements. Focuses that require courses in addition the Specialist requirements have a note in the descriptions below.

To enrol in one or more focuses, students must first be enrolled in the Computer Science Specialist program. Enrolment instructions can be found on the Arts & Science Current Students program enrolment web site. Focuses can be chosen on ACORN after admission to the program.

## Focus in Scientific Computing (3.5 FCEs)

Scientific computing studies the world around us. Known and unknown quantities are related through certain rules, e.g. physical laws, formulating mathematical problems. These problems are solved by numerical methods implemented as algorithms and run on computers. The numerical methods are analyzed and their performance (e.g. accuracy, efficiency) studied. Problems, such as choosing the optimal shape for an airplane (to achieve, for example, minimal fuel consumption), finding the fair price for derivative products of the market, or regulating the amount of radiation in medical scans, can be modelled by mathematical expressions and solved by numerical techniques.

Students wishing to study scientific computing should have a strong background in mathematics—in particular calculus of several variables, linear algebra, and statistics—be fluent in programming, and have a good understanding of data structures and algorithm design.

Required Courses:

1. MAT235Y1/MAT237Y1/MAT257Y1,
2. 1.5 FCEs from the following: CSC336H1, CSC436H1, CSC446H1, CSC456H1, CSC466H1
3. 1.0 FCE from the following: CSC320H1/CSC418H1, CSC321H1/CSC411H1, CSC343H1, CSC384H1, CSC358H1/CSC458H1

Suggested Related Courses:

MAT224H1/MAT240H1, MAT244H1, MAT334H1/MAT354H1, MAT337H1/MAT357H1

It is also recommended that students in this focus consider taking a half-course or two from the basic sciences (such as physics, chemistry, biology), as these sciences are the source of many problems solved by numerical techniques.

## Focus in Artificial Intelligence (3.5 FCEs)

Artificial Intelligence (AI) is aimed at understanding and replicating the computational processes underlying intelligent behaviour. These behaviours include the perception of one's environment, learning how that environment is structured, communicating with other agents, and reasoning to guide one's actions. This focus is designed to provide students with an introduction to some of the key scientific and technical ideas that have been developed in AI. There are four different sub-areas of AI represented in our department: Computer Vision, Computational Linguistics, Machine Learning, and Knowledge Representation and Reasoning. These areas cover a wide variety of ideas and techniques. Students wanting to achieve this focus are required to take courses from at least two of these sub-areas (as in point 2, below).

Required Courses:

1. 1.0 FCE from the following: MAT235Y1/MAT237Y1/MAT257Y1, APM236H1/MIE262H1/STA248H1/STA261H1, CSC336H1, CSC310H1, CSC330H1, CSC438H1, CSC448H1, CSC463H1
2. 2.5 FCEs from the following, so that courses are from at least two of the four areas
  - a) CSC401H1, CSC485H1
  - b) CSC320H1, CSC420H1
  - c) CSC321H1, CSC411H1, CSC412H1
  - d) CSC384H1, CSC486H1

Suggested Related Courses:

CSC304H1, CSC324H1, COG250Y1, PSY270H1, PHL232H1, PHL342H1, STA414H1

## Focus in Computational Linguistics & Natural Language Processing (4.0 FCEs)

How can we build and analyze systems that enable users to communicate with computers using human language (also called natural language) and automatically process the vast amounts of data on the web available in the form of text? The focus covers appropriate material on natural language interfaces, as well as tools such as document summarization, intelligent search over the web, and so on. Students considering this focus are encouraged to consider a second Major in Linguistics. [Note 0.5 FCE in LIN is in addition to the 12.0 FCEs required to complete the Specialist program]

Required Courses

1. CSC318H1
2. CSC401H1, CSC485H1
3. LIN100Y1/LIN200H1
4. 1.5 FCEs from the following: CSC309H1, CSC321H1, CSC330H1, CSC411H1, CSC428H1, CSC486H1
5. 0.5 FCE from the following: PSY100H1, COG250Y1

Suggested Related Courses:

Other relevant Computer Science courses, depending on the student's interests, include other courses in artificial intelligence such as CSC384H1 or CSC420H1. Linguistics, Psychology, and Cognitive

Science are all directly relevant to this focus, and we recommend that interested students take additional courses from any or all of those disciplines.

## Focus in Computer Vision (3.5 FCEs)

Computer vision is the science and technology of machines that can see. As a science, the goal of computer vision is to understand the computational processes required for a machine to come to an understanding of the content of a set of images. The data here may be a single snapshot, a video sequence, or a set of images from different viewpoints or provided by medical scanners.

The computer vision focus introduces students to the study of vision from a computational point of view. That is, we attempt to clearly define computational problems for various steps of the overall process, and then show how these problems can be tackled with appropriate algorithms.

Students who wish to pursue computer vision should have an understanding of linear algebra and calculus of several variables. Moreover, they should be solid programmers and have a good understanding of data structures and algorithm design. These basic tools are required in order to first pose computational vision problems, and then develop and test algorithms for the solution to those problems.

Required Courses:

1. MAT235Y1/MAT237Y1/MAT257Y1, CSC320H1, CSC336H1, CSC411H1, CSC420H1
2. 0.5 FCE from the following: CSC412H1, CSC418H1, CSC2503H (Note: students must petition to take a graduate course.)

Suggested Related Courses:

The following are examples of topics and courses that fit naturally with a study of computational vision. The list is meant to be illustrative of the range of cognate topics, but is not necessarily complete. The ordering is alphabetical and not indicative of importance. Note: there are prerequisites for many of these courses that we do not list here.

APM462H1, COG250Y1, CSC384H1, CSC485H1, CSC486H1, ECE216H1, PHL232H1, PHY385H1, PSL440Y1, PSY270H1, PSY280H1, STA257H1/STA261H1

## Focus in Computer Systems (3.5 FCEs)

Software systems are complex and interesting. Poorly done systems can be incredibly expensive: they can cost society billions of dollars and sometimes make the difference between life and death. Rapid changes in technology and applications means that the underlying systems must continually adapt. This focus takes you under the covers of software systems, laying bare the layers and introducing you to concurrency issues, scalability, multiprocessor systems, distributed computing, and more.

Required Courses:

1. CSC324H1, CSC343H1, CSC443H1, CSC469H1, CSC488H1
2. 1.0 FCE from the following: CSC372H1/ECE385H1, CSC358H1, CSC458H1

Suggested Related Courses:

1. CSC301H1, CSC309H1, CSC410H1, ECE489H1
2. Relevant courses offered at UTM: CSC347H5, CSC423H5, CSC427H5

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3. Relevant courses offered by Engineering: ECE454H1, ECE568H1

## Focus in Game Design (3.5 FCEs):

Video game design combines several disciplines within computer science, including software engineering, graphics, artificial intelligence, and human-computer interaction. It also incorporates elements of economics, psychology, music, and creative writing, requiring video game researchers to have a diverse, multidisciplinary set of skills.

Students who wish to pursue video game design should have an understanding of linear algebra (for computer graphics modelling), computer hardware and operating systems (for console architecture), data structures, and algorithm design. Students will gain a general knowledge of the more advanced topics listed in the courses below.

Required courses:

1. CSC300H1, CSC301H1, CSC318H1, CSC324H1, CSC384H1, CSC418H1, CSC404H1

Suggested Related Courses:

1. CSC358H1, CSC458H1, CSC428H1,  
2. MUS300H1, CIN212H1/INI222H1, CIN432H1/INI465H1, ENG235H1  
3. ECO326H1, RSM482H1/MGT2056H

## Focus in Human-Computer Interaction (6.5 FCEs)

Human-Computer Interaction (HCI) is the scientific study of the use of computers by people and the design discipline that informs the creation of systems and software that are useful, usable, and enjoyable for the people who use them. HCI students have exciting opportunities for research and graduate school; HCI professionals often have jobs with titles such as user interface architect, user interface specialist, interaction designer, or usability engineer. [Note 3.5 FCEs in SOC & PSY are in addition to the 12.0 FCEs required to complete the Specialist program]

Required Courses:

1. CSC300H1, CSC301H1, CSC318H1, CSC428H1  
2. SOC101Y1, SOC200H1, SOC202H1, SOC302H1 [To enrol in restricted SOC courses, please contact the CS Undergraduate Office in the July preceeding the academic year in which you plan to take the course]  
3. 1.0 FCE from the following: CSC309H1, CSC320H1, CSC321H1, CSC343H1, CSC384H1, CSC401H1, CSC404H1, CSC418H1, CSC485H1, CSC490H1/491H1  
4. PSY100H1, PSY270H1/PSY280H1

Suggested Related Courses:

1. CSC454H1, CSC290H1  
2. At least one half-course in Human Factors or Ergonomics offered by the Department of Mechanical and Industrial Engineering, such as MIE240H1, MIE343H1, MIE344H1, MIE448H1, or MIE449H1. Human factors is a sister discipline to human-computer interaction that approaches problems in slightly different ways.  
3. IRE260H1

## Focus in Theory of Computation (4.5 FCEs + 2.0 FCEs from required Specialist courses)

Why is it easy to sort a list of numbers, but hard to break Internet encryption schemes? Is finding a solution to a problem harder than

checking that a solution is correct? Can we find good approximate solutions, even when the exact solutions seem out of reach? Theory of Computation studies the inherent complexity of fundamental algorithmic problems. On one hand, we develop ground-breaking efficient data structures and algorithms. On the other, we have yet to develop good algorithms for many problems despite decades of effort, and for these problems we strive to prove no time- or space-efficient algorithms will ever solve them. While the field has seen some successful impossibility results, there are still many problems—such as those underlying modern cryptography and security—for which we do not know either efficient algorithms or strong lower bounds!

This focus takes a rigorous, mathematical approach to computational problem-solving: students will gain a deep understanding of algorithm paradigms and measures of problem complexity, and develop the skills necessary to convey abstract ideas with precision and clarity. Many of our students go on to graduate studies and sophisticated algorithmic work in industry. This focus has natural ties with many branches of mathematics and is the foundation of many computer science fields. Consequently, our students often apply their theoretical knowledge to other fields of interest.

We strongly encourage taking the enriched theory courses (CSC240H1, CSC265H1) as well as specialist/major versions of the MAT requirements for our focus. [Depending on courses selected for points 4 & 5, students may need to complete 0.5–1.0 FCE in addition to the 12.0 FCEs required to complete the Specialist program.]

Required Courses:

1. MAT137Y1/MAT157Y1/MAT237Y1 (Note: If MAT237Y1 is used here, it cannot be counted as part of the 2.0 FCEs for point 5, below.)  
2. CSC463H1  
3. CSC336H1/CSC350H1  
4. 1.5 FCEs from the following: CSC310H1, CSC438H1, CSC448H1, MAT443H1, MAT332H1, MAT344H1, At UTM: CSC322H5/MAT302H5, CSC422H5; CSC494H1/CSC495H1 project supervised by a faculty member from the Theory group, or a relevant introductory graduate course in Theory. (Note that students must petition to take a graduate course.)  
5. 2.0 FCEs from the following: APM236H1/MIE262H1, MIE263H1, APM421H1, APM461H1, MAT224H1/MAT247H1, MAT237Y1/MAT257Y1, MAT244H1/MAT267H1, MAT301H1/MAT347Y1, MAT315H1, MAT327H1, MAT334H1/MAT354H1, MAT337H1/MAT357H1, any 400-level MAT course (except MAT443H1), STA248H1/STA261H1, STA347H1

Recommended Courses:

1. Students are strongly encouraged to take the enriched theory courses: CSC240H1 and CSC265H1, rather than their regular counterparts: CSC165H1/CSC236H1 and CSC263H1, respectively.

Suggested Related Courses:

1. BCB410H1  
2. CSC320H1/CSC418H1/CSC420H1, CSC321H1/CSC384H1/CSC411H1/CSC485H1, CSC343H1/CSC443H1, CSC351H1/CSC456H1, CSC358H1/CSC458H1, CSC412H1/CSC465H1/CSC486H1, CSC473H1, CSC488H1

## Focus in Web and Internet Technologies (3.5 FCEs)

The Web and Internet Technologies focus introduces students to the systems and algorithms that power today's large-scale web and Internet applications such as search engines, social networking applications, web data mining applications, and content distribution networks. The focus



covers the algorithm foundations of web and internet technologies, as well as implementation and system architecture.

Students who wish to pursue the Focus in Web and Internet Technologies should have a solid understanding of statistics, be good programmers, and have a good understanding of data structures and algorithm design.

To get practical experience, students pursuing the web and Internet technologies focus are encouraged to do either a term project or a summer USRA project in web and internet technologies.

Required courses:

1. STA248H1, CSC309H1, CSC343H1, CSC358H1, CSC458H1, CSC411H1
2. 0.5 FCE from the following: CSC310H1, CSC443H1, CSC469H1

Suggested Related Courses:

1. Courses offered at UTM: CSC347H5, CSC423H5, CSC427H5
2. ECE568H1

## Computer Science Major (Science program)

This is a limited enrolment program (Type 2L) that can only accommodate a certain number of students. Eligibility is based on the following criteria:

A. Completion of at least 4.0 FCEs including CSC148H1/CSC207H1 (with a minimum grade of 60%) and CSC165H1/CSC236H1/CSC240H1 (with a minimum grade of 60%), AND

B. An average of the grades in CSC148H1/CSC207H1 and CSC165H1/CSC236H1/CSC240H1 that meets the department's annual cutoff. When more than one course has been completed from a list of alternatives, the higher grades will be used. Also, CSC240H1 grades will be adjusted to account for the course's greater difficulty. Finally, note that the cutoff changes from year to year, depending on the current capacity of the program and the pool of applicants. For more information, including historical data, please visit <http://web.cs.toronto.edu/program/ugrad/admission.htm>.

Note that students admitted to the program after second or third year will be required to pay retroactive program fees.

(8.0 full course equivalents [FCEs], including at least 0.5 FCE at the 400-level)

First year (2.5 FCEs):

1. (CSC108H1, CSC148H1)/CSC150H1, CSC165H1/CSC240H1; (MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1

Second year (2.5 FCEs):

2. CSC207H1, CSC236H1/CSC240H1, CSC258H1, CSC263H1/CSC265H1; STA247H1/STA255H1/STA257H1

Notes:

1. Students with a strong background in an object-oriented language such as Python, Java or C++ may omit CSC108H1 and proceed directly with CSC148H1. [There is no need to replace the missing half-credit for program completion; however, please base your course choice on what you are ready to take, not on "saving" a half-credit].
2. CSC240H1 is an accelerated and enriched version of CSC165H1 plus CSC236H1, intended for students with a strong mathematical background, or who develop an interest after taking CSC165H1. If you take CSC240H without CSC165H1, there is no need to replace the

missing half-credit for program completion; but please see Note 1.

3. Consult the Undergraduate Office for advice about choosing among CSC108H1 and CSC148H1, and between CSC165H1 and CSC240H1.

Later years (3.0 FCEs):

3. 3.0 FCEs from the following:
  - Any 200-/300-/400-level CSC course;
  - BCB410H1, BCB420H1, BCB430Y1;
  - ECE385H1, ECE489H1;
  - MAT221H1/MAT223H1/MAT240H1, MAT235Y1/MAT237Y1/MAT257Y1, any 300-/400-level MAT course except MAT329Y1, MAT390H1, MAT391H1

with at least 0.5 FCE from a 400-level CSC/BCB course, at least 1.0 additional FCE from 300-/400-level CSC/BCB/ECE courses, and at least 0.5 additional FCE from a 300-/400-level course.

No more than more than 1.0 FCE from CSC490H1, CSC491H1, CSC494H1, CSC495H1, BCB430Y1 may be used to fulfill program requirements.

The choices in 3 must satisfy the requirement for an integrative, inquiry-based activity by including one of the following half-courses: CSC301H1, CSC318H1, CSC404H1, CSC411H1, CSC418H1, CSC420H1, CSC428H1, CSC454H1, CSC485H1, CSC490H1, CSC491H1, CSC494H1, CSC495H1. This requirement may also be met by participating in the PEY (Professional Experience Year) program.

## Advice on choosing courses towards a Major in Computer Science

A Major program in any discipline may form part (but not the whole) of your degree requirements. The Major program in Computer Science is designed to include a solid grounding in the essentials of Computer Science, followed by options that let you explore one or a few topics more deeply. You will also realize what areas you have not studied, and be ready to explore them if your interests change after completing the Major.

To give you freedom to choose your path through Computer Science, we have designed the Major to include a minimal set of required courses. There are some courses that we think you ought to consider carefully as you make those choices. CSC373H1 is fundamental to many more advanced Computer Science topics, where designing appropriate algorithms is central. CSC209H1 is a prerequisite to effective work in many application areas.

We have designed "packages" of related courses that are intended to accompany the Specialist program in Computer Science, and you may find them helpful in completing your Major too. Please see our web site at <http://web.cs.toronto.edu/program/ugrad.htm>

A significant role of the Major is to allow you to integrate your studies in Computer Science and another discipline. For example, many Computer Science students are also interested in statistics, economics, physics or mathematics. In those cases, it makes sense to enrol in a Major in one discipline and either a Major or a Specialist in the other. If your interests are evenly balanced, the obvious choice is to do two Majors, and that is what we assume here.

If you are doing a double Major (two Majors in related disciplines), you might want to consult your college registrar's office for advice on satisfying the degree requirements with overlapping Majors. A number of sample combinations are listed below for your reference. This is not a complete list: many other combinations are possible.

A Major program is generally not enough to prepare you for graduate

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study in Computer Science, though a complete Specialist is not required. Please consult the advice about graduate study included with the description of the Specialist program in Computer Science.

## CSC and Mathematics

The theoretical foundations of Computer Science are essentially a branch of mathematics, and numerical analysis (the area of CS that studies efficient, reliable and accurate algorithms for the numerical solution of continuous mathematical problems) is also a topic in applied mathematics. If you are interested in both Computer Science and Mathematics, a double major is a good choice.

In this double major, you should choose all the theoretical courses in the first three years: CSC165H1, CSC236H1, CSC263H1, CSC373H1, and CSC463H1. If the "enriched" versions are available as alternatives, you should prefer them: CSC240H1 in place of CSC165H1 and CSC236H1, and CSC265H1 in place of CSC263H1. You should also take at least one of CSC438H1, CSC448H1, and CSC465H1.

You should also make sure you take courses in numerical analysis -- CSC336H1 and CSC436H1, and possibly CSC446H1.

In the Major in Mathematics, you should prefer courses that are also in the Specialist program in Mathematics: MAT157Y1, MAT240H1, MAT247H1 and so on. Ask the advisors in the Department of Mathematics which courses they would recommend if you're planning a career in mathematics. Don't be afraid to admit your interest in CS.

## CSC and Bioinformatics/Computational Biology

Bioinformatics is a field that came into existence only in the 1990s but has become an extremely fruitful interaction between biological scientists and computer scientists. Deciphering the genome requires not just extremely clever biology but also extremely clever computer science, drawing from the study of algorithms and data structures and from data mining.

To study bioinformatics, you should enrol in the Specialist program in Bioinformatics and Computational Biology sponsored by the Department of Biochemistry, and also in the Major in Computer Science. Your Computer Science Major should include a selection of courses something like this:

CSC373H1/CSC375H1  
CSC321H1/CSC343H1  
CSC336H1/CSC350H1  
BCB410H1, BCB420H1  
CSC411H1  
Some of CSC310H1, CSC324H1, CSC412H1, CSC456H1, CSC463H1

You should seek advice from both the Department of Biochemistry and the Department of Computer Science on how to distribute your courses across the two programs.

## CSC and Statistics

Here your Computer Science course choices should be somewhat similar to those for Computer Science and Mathematics: take the theoretical Computer Science courses up to the 300-level, and prefer the higher-level MAT and STA courses. For example, take STA257H1 and STA261H1 rather than STA247H1 and STA248H1.

Within Computer Science, take courses in numerical analysis (CSC336H1 and CSC436H1). Choose also from among information theory (CSC310H1), machine learning (CSC321H1 and CSC411H1), and natural language processing (CSC401H1).

## CSC and Economics

There is considerable opportunity for mutually supporting interests in Computer Science and economics in the area of economic modelling, econometrics, and numerical analysis. In Computer Science, you might

choose courses such as CSC343H1 (databases), CSC358H1 (networks), and CSC369H1 (operating systems) to acquire the technical background for working with large systems and data sets, and CSC336H1 and CSC436H1 (numerical analysis) to understand the difficulties of large numerical models.

If you are interested in financial modelling, you will also want to take CSC446H1 to learn how to handle partial differential equations; to do that, you would want to have taken the necessary mathematical courses.

Applying ideas from economics to Computer Science is a little harder, but certainly economic principles apply to databases (CSC443H1) and networks (CSC458H1). CSC358H1 discusses how to model the processes involved in computer networks and in other customer-server systems. CSC304H1 (Algorithmic Game Theory and Mechanism Design) and CSC454H1 (Business of Software) would also complement your background in economics.

## CSC and Linguistics

If you are interested in both Computer Science and Linguistics, you should consider doing a Major in both. Your Major in Computer Science should focus on computational linguistics (CL), the sub-area of AI concerned with human languages ("natural languages"); researchers in this area are interested in developing programs that can "understand" and generate natural language. You should take our Computational Linguistics courses, CSC401H1 and CSC485H1. (They can be taken in either order.) As preparation, you should also take CSC324H1 (programming languages). Other courses you might find valuable are CSC384H1 (AI), CSC343H1 (databases), and the theoretical courses CSC373H1/CSC375H1 and CSC463H1.

## CSC and Physics

If you want to study Computer Science and physics, then as a physicist, you will be interested in how natural processes and human design can take us from the materials and laws of nature to useful computational machinery, and you will want to study CSC258H1 (computer organization—the way solid-state devices can be combined to build a machine that repeatedly executes instructions) and CSC369H1 (operating systems—the large software systems that organize the programs people write and run to present the appearance of a well-run self-policing machine).

As a computer scientist, you will wonder how accurately you can compute the results of calculations needed in simulating or predicting physical processes. CSC336H1 and CSC436H1 introduce you to numerical analysis, and CSC446H1 applies it to partial differential equations, used to model many physical systems.

Both a computer scientist and a physicist will wonder how to write effective programs. CSC263H1 and CSC373H1 teach you to choose appropriate data structures and algorithms, and CSC463H1 helps you to understand whether a problem is computable, and if so, whether the computation takes a reasonable amount of time.

In fourth year, you may choose CSC418H1, which depends on and also simulates the behaviour of light and mechanical systems. CSC456H1 deals with high-performance computing of the kind used in scientific computing. CSC420H1 might also be a good choice, though some preparation in artificial intelligence would be helpful for this course.

## Computer Science Minor (Science program)

This is a limited enrolment program (Type 2L) that can only accommodate a certain number of students. Eligibility is based on the following criteria:

A. Completion of at least 4.0 FCEs including CSC148H1/CSC207H1 (with a minimum grade of 60%) and CSC165H1/CSC236H1/CSC240H1 (with a minimum grade of 60%), AND

B. An average of the grades in CSC148H1/CSC207H1 and CSC165H1/CSC236H1/CSC240H1 that meets the department's annual cutoff. When more than one course has been completed from a list of alternatives, the higher grades will be used. Also, CSC240H1 grades will be adjusted to account for the course's greater difficulty. Finally, note that the cutoff changes from year to year, depending on the current capacity of the program and the pool of applicants. For more information, including historical data, please visit <http://web.cs.toronto.edu/program/ugrad/admission.htm>.

(4.0 full course equivalents [FCEs])

1. (CSC108H1, CSC148H1)/CSC150H1, CSC165H1/CSC240H1
2. CSC207H1, CSC236H1/CSC240H1

Notes:

1. Students with a strong background in Java or C++ may omit CSC108H1 and proceed directly with CSC148H1.
2. CSC240H1 is an accelerated and enriched version of CSC165H1 plus CSC236H1, intended for students with a strong mathematical background, or who develop an interest after taking CSC165H1.
3. Consult the Undergraduate Office for advice about choosing among CSC108H1 and CSC148H1, and between CSC165H1 and CSC240H1.

(Total of above requirements: 2.5 FCEs. If you take fewer than 2.5 FCEs, you must take more than 1.5 FCEs from the next list, so that the total is 4.0 FCEs.)

3. 1.5 FCEs from the following list, of which at least 1.0 FCE must be at the 300-/400-level:  
CSC: any 200-/300-/400-level

Note:

1. Computer Science Minors are limited to three 300-/400-level CSC/ECE half-courses

## Computer Science Courses

### Enrolment notes

1. The University of Toronto Mississauga and University of Toronto Scarborough Computer Science Minor subject POSTs are not recognized as restricted Computer Science programs for St. George course enrolments.
2. No late registration is permitted in any Computer Science course after the first two weeks of classes. Enrolment in most Computer Science courses above 100-level MAY be restricted. Consult the Calendar or the Arts & Science Registration Instructions and Timetable for details.

### Prerequisites and exclusions

Prerequisites and exclusions for all courses are strictly enforced. Prerequisite waivers can be granted by instructors if the student

demonstrates that s/he has background covering the material of the prerequisite course(s).

Please refer to the Arts & Science Registration Instructions and Timetable for prerequisite waiver deadlines.

### Dropping down from enriched to regular courses

Students may go to their college to drop down from enriched courses to regular courses. The courses are as follows: from CSC148H1 to CSC108H1, from CSC240H1 to CSC165H1 (or to CSC236H1 if you have already passed CSC165H1 with at least 60%), and from CSC265H1 to CSC263H1. Students may only drop down if there is space in the course into which they are moving.

#### Drop down deadlines:

20169, Fall session: October 7, 2016

20171, Winter session: February 1, 2017

### Students with transfer credits

If you have transfer credits in Computer Science, or a similar subject, for courses done at another university or college, contact our Undergraduate Office (BA4252/4254) for advice on choosing courses. Also ask for advice even if you don't have transfer credits yet but are considering degree study at the University of Toronto. Without advice, you risk poor course choice or other adverse consequences.

### 100-level courses

#### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

#### CSC104H1 Computational Thinking [24L/12T]

Humans have solved problems for millennia on computing devices by representing data as diverse numbers, text, images, sound and genomes, and then transforming the data. A gentle introduction to designing programs (recipes) for systematically solving problems that crop up in diverse domains such as science, literature, and graphics. Social and intellectual issues raised by computing. Algorithms, hardware, software, operating systems, the limits of computation.

Note: you may not take this course concurrently with any Computer Science course, but you may take CSC108H1/CSC148H1 after CSC104H1.

Exclusion: Any Computer Science course

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### Choosing first year courses

To help you select the programming course that is right for you, see [http://web.cs.toronto.edu/program/ugrad/courses\\_ug/1st.htm](http://web.cs.toronto.edu/program/ugrad/courses_ug/1st.htm)

# Computer Science

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## **CSC108H1 Introduction to Computer Programming [36L]**

Programming in a language such as Python. Elementary data types, lists, maps. Program structure: control flow, functions, classes, objects, methods. Algorithms and problem solving. Searching, sorting, and complexity. Unit testing. No prior programming experience required.

NOTE: You may not take this course concurrently with CSC120H1/CSC148H1, but you may take CSC148H1 after CSC108H1.  
Exclusion: CSC120H1, CSC121H1, CSC148H1  
Distribution Requirement Status: Science  
Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC120H1 Computer Science for the Sciences [24L/12P]**

An introduction to computer science for students in other sciences, with an emphasis on gaining practical skills. Introduction to programming with examples and exercises appropriate to the sciences; web programming; software tools. Topics from: database design, considerations in numerical calculation, using UNIX/LINUX systems. At the end of this course you will be able to develop computer tools for scientific applications, such as the structuring and analysis of experimental data. With some additional preparation, you will also be ready to go on to CSC148H1. Practical (P) sections consist of supervised work in the computer laboratory. No programming experience is necessary.  
Exclusion: Any CSC course, with the exception of CSC104H1  
Distribution Requirement Status: Science  
Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC121H1 Computer Science for Statistics [24L/12P]**

An introduction to computer science for students planning to use computers for statistical analysis and research. Using a statistical programming environment, fundamental programming concepts, and computational topics relevant to statistics, such as issues with numerical calculation, random number generation, and management of data. Practicals consist of supervised work in the computer laboratory to reinforce concepts and develop programming skills. No previous programming experience is necessary. Please consult with the CS Undergraduate office if you intend to continue on to CSC148H1.  
Exclusion: Any CSC course, with the exception of CSC104H1  
Distribution Requirement Status: Science  
Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC148H1 Introduction to Computer Science [36L/24P]**

Abstract data types and data structures for implementing them. Linked data structures. Encapsulation and information-hiding. Object-oriented programming. Specifications. Analyzing the efficiency of programs. Recursion. This course assumes programming experience as provided by CSC108H1. Students who already have this background may consult the Computer Science Undergraduate Office for advice about skipping CSC108H1. Practical (P) sections consist of supervised work in the computing laboratory. These sections are offered when facilities are available, and attendance is required. NOTE: Students may go to their college to drop down from CSC148H1 to CSC108H1. See above for the drop down deadline.  
Prerequisite: CSC108H1/(equivalent programming experience)  
Exclusion: CSC150H1  
Distribution Requirement Status: Science  
Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC165H1 Mathematical Expression and Reasoning for Computer Science [36L/24T]**

Introduction to abstraction and rigour. Informal introduction to logical notation and reasoning. Understanding, using and developing precise expressions of mathematical ideas, including definitions and theorems. Structuring proofs to improve presentation and comprehension. General problem-solving techniques. Running time analysis of iterative programs. Formal definition of Big-Oh. Diagonalization, the Halting Problem, and some reductions. Unified approaches to programming and theoretical problems.  
Corequisite: CSC148H1/(CSC108H1/CSC120H1, MAT137Y1/MAT157Y1)  
Exclusion: CSC236H1, CSC240H1  
Distribution Requirement Status: Science  
Breadth Requirement: The Physical and Mathematical Universes (5)

## **200-level courses**

### **CSC204H1 Collaborating with Computer Scientists [48L/24P]**

This course teaches the language, culture, and communication mechanisms necessary for effective collaboration on large-scale software projects involving both computer scientists and non-computer scientists. This course is intended for students with little or no computer science background.  
Distribution Requirement Status: Humanities  
Breadth Requirement: The Physical and Mathematical Universes (5)

### **CSC207H1 Software Design [24L/12T]**

An introduction to software design and development concepts, methods, and tools using a statically-typed object-oriented programming language such as Java. Topics from: version control, unit testing, refactoring, object-oriented design and development, design patterns, advanced IDE usage, regular expressions, and reflection. Representation of floating-point numbers and introduction to numerical computation.  
Prerequisite: 60% or higher in CSC148H1/CSC150H1  
Distribution Requirement Status: Science  
Breadth Requirement: The Physical and Mathematical Universes (5)

### **CSC209H1 Software Tools and Systems Programming [24L/12T]**

Software techniques in a Unix-style environment, using scripting languages and a machine-oriented programming language (typically C). What goes on in the operating system when programs are executed. Core topics: creating and using software tools, pipes and filters, file processing, shell programming, processes, system calls, signals, basic network programming.  
Prerequisite: CSC207H1  
Exclusion: CSC372H1, CSC369H1, CSC469H1  
Distribution Requirement Status: Science  
Breadth Requirement: The Physical and Mathematical Universes (5)

### **CSC236H1 Introduction to the Theory of Computation [24L/12T]**

The application of logic and proof techniques to Computer Science. Mathematical induction; correctness proofs for iterative and recursive algorithms; recurrence equations and their solutions; introduction to automata and formal languages. This course assumes university-level experience with proof techniques and algorithmic complexity as provided by CSC165H1. Very strong students who already have this experience (e.g. successful completion of MAT157Y1) may consult the undergraduate office about proceeding directly into CSC236H1.  
Prerequisite: 60% or higher in CSC148H1/CSC150H1, 60% or higher in CSC165H1  
Exclusion: CSC240H1  
Distribution Requirement Status: Science  
Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC240H1 Enriched Introduction to the Theory of Computation [24L/12T]**

The rigorous application of logic and proof techniques to Computer Science. Propositional and predicate logic; mathematical induction and other basic proof techniques; correctness proofs for iterative and recursive algorithms; recurrence equations and their solutions (including the Master Theorem); introduction to automata and formal languages. This course covers the same topics as CSC236H1, together with selected material from CSC165H1, but at a faster pace, in greater depth and with more rigour, and with more challenging assignments. Greater emphasis will be placed on proofs and theoretical analysis. Certain topics briefly mentioned in CSC165H1 or CSC236H1 may be covered in more detail in this course, and some additional topics may also be covered.

NOTE: Students may go to their college to drop down from CSC240H1 to CSC165H1 (or to CSC236H1 if they have already passed CSC165H1). See above for the drop down deadline.

Corequisite: CSC148H1/CSC150H1; MAT137Y1/MAT157Y1

Exclusion: CSC236H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC258H1 Computer Organization [24L/12T/13P]**

Computer structures, machine languages, instruction execution, addressing techniques, and digital representation of data. Computer system organization, memory storage devices, and microprogramming. Block diagram circuit realizations of memory, control and arithmetic functions. There are a number of laboratory periods in which students conduct experiments with digital logic circuits.

Prerequisite: 60% or higher in CSC148H1/CSC150H1, 60% or higher in CSC165H1/CSC240H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC263H1 Data Structures and Analysis [24L/12T]**

Algorithm analysis: worst-case, average-case, and amortized complexity. Expected worst-case complexity, randomized quicksort and selection. Standard abstract data types, such as graphs, dictionaries, priority queues, and disjoint sets. A variety of data structures for implementing these abstract data types, such as balanced search trees, hashing, heaps, and disjoint forests. Design and comparison of data structures. Introduction to lower bounds.

Prerequisite: CSC207H1, CSC236H1/CSC240H1;

STA247H1/STA255H1/STA257H1

Exclusion: CSC265H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC265H1 Enriched Data Structures and Analysis [24L/12T]**

This course covers the same topics as CSC263H1, but at a faster pace, in greater depth and with more rigour, and with more challenging assignments. Greater emphasis will be placed on proofs, theoretical analysis, and creative problem-solving. Certain topics briefly mentioned in CSC263H1 may be covered in more detail in this course, and some additional topics may also be covered. Students without the exact course prerequisites but with a strong mathematical background are encouraged to consult the Department about the possibility of taking this course.

NOTE: Students may go to their college to drop down from CSC265H1 to CSC263H1. See above for the drop down deadline.

Prerequisite: CSC240H1 or an A- in CSC236H1

Corequisite: STA247H1/STA255H1/STA257H1

Exclusion: CSC263H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **300-level courses**

If you are not in our Major or Specialist program, you are limited to three 300-/400-level CSC/ECE half-courses.

### **CSC300H1 Computers and Society [24L/12T]**

Privacy and Freedom of Information; recent Canadian legislation and reports. Computers and work; employment levels, quality of working life. Electronic fund transfer systems; transborder data flows. Computers and bureaucratization. Computers in the home; public awareness about computers. Robotics. Professionalism and the ethics of computers. The course is designed not only for science students, but also those in social sciences or humanities.

Prerequisite: Any half-course on computing

Distribution Requirement Status: Science

Breadth Requirement: Society and its Institutions (3)

### **CSC301H1 Introduction to Software Engineering [24L/12T]**

An introduction to agile development methods appropriate for medium-sized teams and rapidly-moving projects. Basic software development infrastructure; requirements elicitation and tracking; estimation and prioritization; teamwork skills; basic UML; design patterns and refactoring; security, discussion of ethical issues, and professional responsibility.

Prerequisite: CSC209H1, CSC263H1/CSC265H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### **CSC302H1 Engineering Large Software Systems [24L/12T]**

An introduction to the theory and practice of large-scale software system design, development, and deployment. Project management; advanced UML; reverse engineering; requirements inspection; verification and validation; software architecture; performance modelling and analysis.

Prerequisite: CSC301H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### **CSC304H1 Algorithmic Game Theory and Mechanism Design [24L/12P]**

A mathematical and computational introduction to game theory and mechanism design. Topics include games in matrix and extensive form, equilibria and price of anarchy, matching markets, auctions, network externalities, tipping points, voting theory. This course is intended for economics, mathematics, and computer science students.

Prerequisite: STA247H1/STA255H1/STA257H1/PSY201H1/ECO227Y1, (MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### **CSC309H1 Programming on the Web [24L/12T]**

An introduction to software development on the web. Concepts underlying the development of programs that operate on the web; survey of technological alternatives; greater depth on some technologies.

Operational concepts of the internet and the web, static client content, dynamic client content, dynamically served content, n-tiered architectures, web development processes, and security on the web.

Assignments involve increasingly more complex web-based programs.

Guest lecturers from leading e-commerce firms will describe the architecture and operation of their web sites.

Prerequisite: CSC209H1

Recommended Preparation: CSC343H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC310H1 Information Theory [24L/12T]**

Measuring information. The source coding theorem. Data compression using ad hoc methods and dictionary-based methods. Probabilistic source models, and their use via Huffman and arithmetic coding. Noisy channels and the channel coding theorem. Error correcting codes, and their decoding by algebraic and probabilistic methods.

Prerequisite: 60% or higher in CSC148H1/CSC150H1;

STA247H1/STA255H1/STA257H1/STA107H1; (MAT135H1, MAT136H1)/ MAT135Y1/MAT137Y1/MAT157Y1, MAT221H1/MAT223H1/MAT240H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC318H1 The Design of Interactive Computational Media [24L/12T]**

User-centred design of interactive systems; methodologies, principles, and metaphors; task analysis. Interdisciplinary design; the role of graphic design, industrial design, and the behavioural sciences. Interactive hardware and software; concepts from computer graphics. Typography, layout, colour, sound, video, gesture, and usability enhancements. Classes of interactive graphical media; direct manipulation systems, extensible systems, rapid prototyping tools. Students work on projects in interdisciplinary teams.

Prerequisite: Any CSC half-course

Recommended Preparation: CSC300H1 provides useful background for work in CSC318H1, so if you plan to take CSC300H1 then you should do it before CSC318H1

Distribution Requirement Status: Science

Breadth Requirement: None

## **CSC320H1 Introduction to Visual Computing [24L/12P]**

Image synthesis and image analysis aimed at students with an interest in computer graphics, computer vision, or the visual arts. Focus on three major topics: (1) visual computing principles—computational and mathematical methods for creating, capturing, analyzing, and manipulating digital photographs (image acquisition, basic image processing, image warping, anti-aliasing); (2) digital special effects—applying these principles to create special effects found in movies and commercials; (3) visual programming—using C/C++ and OpenGL to create graphical user interfaces for synthesizing and manipulating photographs. The course requires the ability to use differential calculus in several variables and linear algebra.

Prerequisite: CSC209H1/(CSC207H1, proficiency in C or C++);

MAT221H1/MAT223H1/MAT240H1, (MAT136H1 with a minimum mark of 77)/(MAT137Y1 with a minimum mark of 73)/(MAT157Y1 with a minimum mark of 67)/MAT235Y1/MAT237Y1/MAT257Y1

Recommended Preparation: MAT235Y1/MAT237Y1/MAT257Y1

Distribution Requirement Status: Science

Breadth Requirement: None

## **CSC321H1 Introduction to Neural Networks and Machine Learning [24L/12P]**

The first half of the course is about supervised learning for regression and classification problems and will include the perceptron learning procedure, backpropagation, and methods for ensuring good generalisation to new data. The second half of the course is about unsupervised learning methods that discover hidden causes and will include K-means, the EM algorithm, Boltzmann machines, and deep belief nets.

Prerequisite: (MAT136H1 with a minimum mark of 77)/(MAT137Y1 with a minimum mark of 73)/(MAT157Y1 with a minimum mark of 67)/MAT235Y1/MAT237Y1/MAT257Y1, MAT221H1/MAT223H1/MAT240H1; STA247H1/STA255H1/STA257H1

Recommended Preparation: MAT235Y1/MAT237Y1/MAT257Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC324H1 Principles of Programming Languages [24L/12T]**

Programming principles common in modern languages; details of commonly used paradigms. The structure and meaning of code. Scope, control flow, datatypes, and parameter passing. Two non-procedural, non-object-oriented programming paradigms: functional programming (illustrated by languages such as Lisp/Scheme, ML or Haskell) and logic programming (typically illustrated in Prolog).

Prerequisite: CSC263H1/CSC265H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC336H1 Numerical Methods [24L/12T]**

The study of computational methods for solving problems in linear algebra, non-linear equations, and approximation. The aim is to give students a basic understanding of both floating-point arithmetic and the implementation of algorithms used to solve numerical problems, as well as a familiarity with current numerical computing environments.

Prerequisite: CSC148H1/CSC150H1; MAT133Y1(70%)/(MAT135H1, MAT136H1)/MAT135Y1/MAT137Y1/MAT157Y1, MAT221H1/MAT223H1/MAT240H1

Exclusion: CSC350H1, CSC351H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC343H1 Introduction to Databases [24L/12T]**

Introduction to database management systems. The relational data model. Relational algebra. Querying and updating databases: the query language SQL. Application programming with SQL. Integrity constraints, normal forms, and database design. Elements of database system technology: query processing, transaction management.

Prerequisite: CSC165H1/CSC240H1/(MAT135H1, MAT136H1)/MAT135Y1/MAT137Y1/MAT157Y1; CSC207H1.

Prerequisite for Engineering students only:

ECE345H1/CSC190H1/CSC192H1

Exclusion: CSC434H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC358H1 Principles of Computer Networks [24L/12T]**

Introduction to computer networks with an emphasis on fundamental principles. Basic understanding of computer networks and network protocols. Topics include network hardware and software, routing, addressing, congestion control, reliable data transfer, performance analysis, local area networks, and TCP/IP.

Prerequisite: CSC209H1, CSC258H1, CSC263H1/CSC265H1,

STA247H1/STA255H1/STA257H1/ECO227Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC369H1 Operating Systems [24L/12T]**

Principles of operating systems. The operating system as a control program and as a resource allocator. The concept of a process and concurrency problems: synchronization, mutual exclusion, deadlock. Additional topics include memory management, file systems, process scheduling, threads, and protection.

Prerequisite: CSC209H1, CSC258H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC373H1 Algorithm Design, Analysis & Complexity [36L/12T]**

Standard algorithm design techniques: divide-and-conquer, greedy strategies, dynamic programming, linear programming, randomization, network flows, approximation algorithms. Brief introduction to NP-completeness: polynomial time reductions, examples of various NP-complete problems, self-reducibility. Additional topics may include approximation and randomized algorithms. Students will be expected to show good design principles and adequate skills at reasoning about the correctness and complexity of algorithms.

Prerequisite: CSC263H1/CSC265H1

Exclusion: CSC375H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC384H1 Introduction to Artificial Intelligence [24L/12T]**

Theories and algorithms that capture (or approximate) some of the core elements of computational intelligence. Topics include: search; logical representations and reasoning, classical automated planning, representing and reasoning with uncertainty, learning, decision making (planning) under uncertainty. Assignments provide practical experience, in both theory and programming, of the core topics.

Prerequisite: CSC263H1/CSC265H1, STA247H1/STA255H1/STA257H1

Recommended Preparation: CSC324H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC385H1 Microprocessor Systems [24L/12T/36P]**

Microprocessor and embedded systems: Software techniques for real-time task creation and management. Connected device characteristics and the hardware and software ramifications. System construction and management. An examination of the issues unique to or particularly important to embedded computing. Laboratory experiments provide "hands on" experience. An open team project is done in the last few laboratory sessions.

Prerequisite: CSC258H1; CSC209H1/proficiency in C

Exclusion: CSC372H1, ECE385H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC396Y0 Designing Systems for Real World Problems [TBA]**

This Summer Abroad special offering provides students with an opportunity to explore new environments, which improves their ability to see their own world with increased sensitivity and germinates new design ideas. In this course, students will identify a real problem in the world and work in groups on projects addressing this problem. Students will explore their problem space and the people within that space, identify needs, constraints, and requirements, and ultimately design solutions. Their designs will be iterated by gathering feedback and conducting usability testing on the early prototypes. The course projects will culminate with development of a technological solution that addresses the identified problem. Final project presentations will take place at the end of the course. This course can be counted as 0.5 FCE at the 300-level for Computer Science program completion.

Prerequisite: Any CSC half course, and balloting

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **400-level courses**

If you are not in our Major or Specialist program, you are limited to three 300-/400-level CSC/ECE half-courses.

## **CSC401H1 Natural Language Computing [24L/12T]**

Introduction to techniques involving natural language and speech in applications such as information retrieval, extraction, and filtering; intelligent Web searching; spelling and grammar checking; speech recognition and synthesis; and multi-lingual systems including machine translation. N-grams, POS-tagging, semantic distance metrics, indexing, on-line lexicons and thesauri, markup languages, collections of on-line documents, corpus analysis. PERL and other software.

Prerequisite: CSC207H1/CSC209H1; STA247H1/STA255H1/STA257H1

Recommended Preparation: MAT221H1/MAT223H1/MAT240H1 is strongly recommended

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC404H1 Introduction to Video Game Design [24L/12T]**

Concepts and techniques for the design and development of electronic games. History, social issues, and story elements. The business of game development and game promotion. Software engineering, artificial intelligence, and graphics elements. Level and model design. Audio elements. Practical assignments leading to team implementation of a complete game.

Prerequisite: CSC301H1/CSC318H1/CSC384H1/CSC418H1

Distribution Requirement Status: Science

Breadth Requirement: Creative and Cultural Representations (1)

## **CSC410H1 Software Testing and Verification [24L/12T]**

Concepts and state-of-the-art techniques in quality assessment for software engineering; quality attributes; formal specifications and their analysis; testing, verification, and validation.

Prerequisite: CSC207H1, CSC236H1/CSC240H1

Recommended Preparation: CSC330H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC411H1 Machine Learning and Data Mining [24L/12T]**

An introduction to methods for automated learning of relationships on the basis of empirical data. Classification and regression using nearest neighbour methods, decision trees, linear models, and neural networks. Clustering algorithms. Problems of overfitting and of assessing accuracy. Problems with handling large databases. Emphasis on statistical approaches.

Prerequisite: CSC263H1/CSC265H1,

MAT(135H1,136H1)/MAT137Y1/MAT137Y1/MAT157Y1,  
STA247H1/STA255H1/STA257H1

Recommended Preparation: CSC336H1/CSC350H1,

STA248H1/STA250H1/STA261H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC412H1 Probabilistic Learning and Reasoning [24L/12T]**

An introduction to probability as a means of representing and reasoning with uncertain knowledge. Qualitative and quantitative specification of probability distributions using probabilistic graphical models. Algorithms for inference and probabilistic reasoning with graphical models. Statistical approaches and algorithms for learning probability models from empirical data. Applications of these models in artificial intelligence and machine learning.

Prerequisite: CSC411H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC418H1 Computer Graphics [24L/12T]**

Identification and characterization of the objects manipulated in computer graphics, the operations possible on these objects, efficient algorithms to perform these operations, and interfaces to transform one type of object to another. Display devices, display data structures and procedures, graphical input, object modelling, transformations, illumination models, primary and secondary light effects; graphics packages and systems. Students, individually or in teams, implement graphical algorithms or entire graphics systems.

Prerequisite: CSC336H1/CSC350H1/CSC351H1/CSC363H1/CSC365H1/CSC373H1/CSC375H1/CSC463H1, (MAT135H1, MAT136H1)/MAT135Y1/MAT137Y1/MAT157Y1, CSC209H1/proficiency in C or C++; Prerequisite for Engineering students only: ECE345H1 or ECE352H1

Recommended Preparation: MAT237Y1, MAT244H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC420H1 Introduction to Image Understanding [24L/12P]**

Introduction to basic concepts in computer vision. Extraction of image features at multiple scales. Robust estimation of model parameters. Multiview geometry and reconstruction. Image motion estimation and tracking. Object recognition. Topics in scene understanding as time permits.

Prerequisite: CSC263H1/CSC265H1, (MAT135H1, MAT136H1)/MAT135Y1/MAT137Y1/MAT157Y1, MAT221H1/MAT223H1/MAT240H1

Recommended Preparation: CSC320H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC428H1 Human-Computer Interaction [24L/12T]**

Understanding human behaviour as it applies to user interfaces: work activity analysis, observational techniques, questionnaire administration, and unobtrusive measures. Operating parameters of the human cognitive system, task analysis and cognitive modelling techniques and their application to designing interfaces. Interface representations and prototyping tools. Cognitive walkthroughs, usability studies and verbal protocol analysis. Case studies of specific user interfaces.

Prerequisite: CSC318H1; STA247H1/STA255H1/STA257H1, (STA248H1/STA250H1/STA261H1)/(PSY201H1, PSY202H1)/(SOC202H1, SOC300H1); CSC209H1/proficiency C++ or Java

Recommended Preparation: A course in PSY; CSC209H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC436H1 Numerical Algorithms [24L/12T]**

Numerical algorithms for the algebraic eigenvalue problem, approximation, integration, and the solution of ordinary differential equations. Emphasis is on the convergence, stability, and efficiency properties of the algorithms.

Prerequisite: CSC336H1/CSC350H1

Exclusion: CSC351H1

Recommended Preparation: MAT235Y1/MAT237Y1/MAT257Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC438H1 Computability and Logic [24L/12T]**

Computable functions, Church's thesis, unsolvable problems, recursively enumerable sets. Predicate calculus, including the completeness, compactness, and Lowenheim-Skolem theorems. Formal theories and the Gödel Incompleteness Theorem. Ordinarily offered in years alternating with CSC448H1.

Prerequisite: (CSC363H1/CSC463H1)/CSC365H1/CSC373H1/CSC375H1/MAT247H1

Exclusion: MAT309H1; PHL344H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC443H1 Database System Technology [24L/12T]**

Implementation of database management systems. Storage management, indexing, query processing, concurrency control, transaction management. Database systems on parallel and distributed architectures. Modern database applications: data mining, data warehousing, OLAP, data on the web. Object-oriented and object-relational databases.

Prerequisite: CSC343H1, CSC369H1, CSC373H1/CSC375H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC446H1 Computational Methods for Partial Differential Equations [24L/12T]**

Finite difference methods for hyperbolic and parabolic equations; consistency, convergence, and stability. Finite element methods for 2-point boundary value problems and elliptic equations. Special problems of interest. Ordinarily offered in years alternating with CSC456H1.

Prerequisite: CSC351H1/(CSC336H1 (75%))/equivalent mathematical background; MAT237Y1/MAT257Y1; APM346H1/APM351Y1/(MAT244H1/MAT267H1 and exposure to PDEs)

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC448H1 Formal Languages and Automata [24L/12T]**

Regular, deterministic, context free, context sensitive, and recursively enumerable languages via generative grammars and corresponding automata (finite state machines, push down machines, and Turing machines). Topics include complexity bounds for recognition, language decision problems and operations on languages. Ordinarily offered in years alternating with CSC438H1.

Prerequisite: CSC236H1/CSC240H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC454H1 The Business of Software [24L/12T]**

The software and internet industries; principles of operation for successful software enterprises; innovation and entrepreneurship; software business definition and planning; business models, market and product planning; product development, marketing, sales, and support; financial management and financing of high-technology ventures; management, leadership, and partnerships. Students will all write business plans in teams.

Prerequisite: Five CSC half-courses at the 200-level or higher

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)



## **CSC456H1 High-Performance Scientific Computing [24L/12T]**

Computationally-intensive applications in science and engineering are implemented on the fastest computers available, today composed of many processors operating in parallel. Parallel computer architectures; implementation of numerical algorithms on parallel architectures; performance evaluation. Topics from: matrix-vector product, solution of linear systems, sparse matrices, iterative methods, domain decomposition, Fourier solvers. For students in computer science, applied mathematics, science, engineering. Ordinarily offered in years alternating with CSC446H1.

Prerequisite: CSC436H1/(CSC336H1 (75%))/equivalent mathematical background; CSC209H1/proficiency in C, C++, or Fortran  
Distribution Requirement Status: Science  
Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC458H1 Computer Networking Systems [24L/12T]**

Computer networks with an emphasis on network programming and applications. An overview of networking basics: layering, naming, and addressing, packet switching fundamentals, socket programming, protocols, congestion control, routing, network security, wireless networks, multimedia, web 2.0, software-defined networking, and online social networks.

Prerequisite: CSC209H1, CSC258H1, CSC263H1/CSC265H1, STA247H1/STA255H1/STA257H1/ECO227Y1  
Distribution Requirement Status: Science  
Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC463H1 Computational Complexity and Computability [24L/12P]**

Introduction to the theory of computability: Turing machines and other models of computation, Church's thesis, computable and noncomputable functions, recursive and recursively enumerable sets, many-one reductions. Introduction to complexity theory: P, NP, polynomial time reducibility, NP-completeness, self-reducibility, space complexity (L, NL, PSPACE and completeness for those classes), hierarchy theorems, and provably intractable problems.

Prerequisite: CSC236H1/CSC240H1  
Exclusion: CSC363H1/CSC63H3, CSC365H1  
Distribution Requirement Status: Science  
Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC465H1 Formal Methods in Software Design [24L/12T]**

Using mathematics to write error-free programs. Proving each refinement; identifying errors as they are made. Program development to meet specifications; modifications that preserve correctness. Useful for all programming; essential for programs that lives depend on. Basic logic, formal specifications, refinement. Conditional, sequential, parallel, interaction, probabilistic programming, and functional programming.

Prerequisite: CSC236H1/CSC240H1/MAT309H1  
Recommended Preparation: CSC463H1  
Distribution Requirement Status: Science  
Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC466H1 Numerical Methods for Optimization Problems [36L]**

Numerical methods for unconstrained optimization problems, in particular line search methods and trust region methods. Topics include steepest descent, Newton's method, quasi-Newton methods, conjugate gradient methods and techniques for large problems. This course will normally be offered every other year.

Prerequisite: CSC336H1, MAT221H1/MAT223H1/MAT240H1, MAT235Y1/MAT237Y1/MAT257Y1  
Distribution Requirement Status: Science  
Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC469H1 Operating Systems Design and Implementation [24L/12T]**

An in-depth exploration of the major components of operating systems with an emphasis on the techniques, algorithms, and structures used to implement these components in modern systems. Project-based study of process management, scheduling, memory management, file systems, and networking is used to build insight into the intricacies of a large concurrent system.

Prerequisite: CSC369H1  
Distribution Requirement Status: Science  
Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC473H1 Advanced Algorithm Design [24L/12P]**

Advanced algorithm design techniques, with emphasis on the role that geometry, approximation, randomization, and parallelism play in modern algorithms. Examples will be drawn from linear programming and basics of continuous optimization; randomized algorithms for string matching, graph problems, and number theory problems; streaming algorithms and parallel algorithms in the Map-Reduce model.

Prerequisite: CSC373H1, MAT221H1/MAT223H1/MAT240H1  
Distribution Requirement Status: Science  
Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC485H1 Computational Linguistics [36L]**

Computational linguistics and the processing of language by computer. Topics include: context-free grammars; chart parsing, statistical parsing; semantics and semantic interpretation; ambiguity resolution techniques; reference resolution. Emphasis on statistical learning methods for lexical, syntactic, and semantic knowledge.

Prerequisite: STA247H1/STA255H1/STA257H1 or familiarity with basic probability theory, including Bayes's theorem; CSC207H1/CSC209H1 or proficiency in Python and software development.  
Recommended Preparation: CSC324H1/CSC384H1  
Distribution Requirement Status: Science  
Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC486H1 Knowledge Representation and Reasoning [24L/12T]**

Representing knowledge symbolically in a form suitable for automated reasoning, and associated reasoning methods. Topics from: first-order logic, entailment, the resolution method, Horn clauses, procedural representations, production systems, description logics, inheritance networks, defaults and probabilities, tractable reasoning, abductive explanation, the representation of action, planning.

Prerequisite: CSC384H1, CSC363H1/CSC365H1/CSC373H1/CSC375H1/CSC463H1  
Recommended Preparation: CSC330H1  
Distribution Requirement Status: Science  
Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC488H1 Compilers and Interpreters [24L/12T]**

The structure of compilers, Programming language processing. Scanning based on regular expressions, Parsing using context free grammars, Semantic analysis (type and usage checking), Compiler dictionaries and tables. Runtime organization and storage allocation, code generation, optimization. Use of modern compiler building tools. Course project involves building a complete compiler.

Prerequisite: CSC258H1, CSC324H1, CSC263H1/CSC265H1  
Distribution Requirement Status: Science  
Breadth Requirement: The Physical and Mathematical Universes (5)

# Computer Science

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## **ECE489H1 Compilers II [24L/36P]**

Theoretical and practical aspects of building modern optimizing compilers. Topics: intermediate representations, basic blocks and flow graphs, data flow analysis, partial evaluation and redundancy elimination, loop optimizations, register allocation, instruction scheduling, interprocedural analysis, and memory hierarchy optimizations. Students implement significant optimizations within the framework of a modern research compiler. (This course is a cross-listing of ECE540H1, Faculty of Applied Science and Engineering.)

Prerequisite: CSC236H1/CSC240H1

Recommended Preparation: ECE385H1, proficiency in C

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

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Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC490H1 Capstone Design Project [48L]**

This half-course gives students experience solving a substantial problem that may span several areas of Computer Science. Students will define the scope of the problem, develop a solution plan, produce a working implementation, and present their work using written, oral, and (if suitable) video reports. Class time will focus on the project, but may include some lectures. The class will be small and highly interactive. Project themes change each year. Contact the Computer Science Undergraduate Office for information about this year's topic themes, required preparation, and course enrolment procedures. Not eligible for CR/NCR option.

Prerequisite: Permission of the instructor

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC491H1 Capstone Design Project [48L]**

This half-course gives students experience solving a substantial problem that may span several areas of Computer Science. Students will define the scope of the problem, develop a solution plan, produce a working implementation, and present their work using written, oral, and (if suitable) video reports. Class time will focus on the project, but may include some lectures. The class will be small and highly interactive. Project themes change each year. Contact the Computer Science Undergraduate Office for information about this year's topic themes, required preparation, and course enrolment procedures. Not eligible for CR/NCR option.

Prerequisite: Permission of the instructor

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC494H1 Computer Science Project [TBA]**

This half-course involves a significant project in any area of Computer Science. The project may be undertaken individually or in small groups. The course is offered by arrangement with a Computer Science faculty member. Not eligible for CR/NCR option.

Prerequisite: Three 300-/400-level CSC half-courses, and permission of the Associate Chair, Undergraduate Studies. Contact the Computer Science Undergraduate Office for information about course enrolment procedures.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **CSC495H1 Computer Science Project [TBA]**

This half-course involves a significant project in any area of Computer Science. The project may be undertaken individually or in small groups. The course is offered by arrangement with a Computer Science faculty member. Not eligible for CR/NCR option.

Prerequisite: Three 300-/400-level CSC half-courses, and permission of the Associate Chair, Undergraduate Studies. Contact the Computer Science Undergraduate Office for information about course

## Faculty

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### Professor Emeritus

Victor Falkenheim (East Asian Studies/Political Science)

### Professors

Zaheer Baber (Sociology, University of Toronto Scarborough)  
Jacques Bertrand (Political Science)  
Loren Brandt (Economics)  
Eric Cazdyn (East Asian Studies)  
Amrita Daniere (Geography/Planning)  
Eric Fong (Sociology)  
Takashi Fujitani (History)  
Tania Li (Anthropology)  
Hy Luong (Anthropology)  
Ito Peng (Sociology)  
Katharine Rankin (Geography)  
Ka Tat Tsang (Social Work)  
Joseph Wong (Political Science)  
Jia-Lin Xie (Rotman)  
Lisa Yoneyama (East Asian Studies)  
Xiaodong Zhu (Economics)

### Associate Professors

Ruoyun Bai (Global Asia Studies, University of Toronto Scarborough)  
Joshua Barker (Anthropology)  
Ritu Birla (History)  
Alana Boland (Geography)  
Jennifer Chun (Sociology, University of Toronto Scarborough)  
Francis Cody (Anthropology/Asian Institute)  
Arti Dhand (Religion)  
Naisargi Dave (Anthropology)  
Christoph Emmrich (Religion)  
Frances Garrett (Religion)  
Kanishka Goonewardena (Geography)  
Ping-Chun Hsiung (Social Sciences, University of Toronto Scarborough)  
Kajri Jain (Visual Studies, University of Toronto Mississauga)  
Malavika Kasturi (Historical Studies, University of Toronto Mississauga)  
Ken Kawashima (East Asian Studies)  
Hui Kian Kwee (Historical Studies, University of Toronto Mississauga)  
Tong Lam (Historical Studies, University of Toronto Mississauga)  
Li Chen (Global Asia Studies, University of Toronto Scarborough)  
Ken MacDonald (Social Sciences, University of Toronto Scarborough)  
Virginia Maclaren (Geography)  
Minelle Mahtani (Human Geography, University of Toronto Scarborough)  
Lisa Mar (History, University College)  
Bonnie McElhinny (Anthropology)  
Heather Miller (Anthropology)  
Lynette Ong (Political Science/Asian Institute)  
Srilata Raman (Religion)  
Ajay Rao (Religion)  
Izumi Sakamoto (Social Work)  
Shiho Satsuka (Anthropology)  
Andre Schmid (East Asian Studies)  
Jayeeta Sharma (History, University of Toronto Scarborough)  
Rachel Silvey (Geography)  
Jesook Song (Anthropology)

Andre Sorensen (Social Sciences, University of Toronto Scarborough)

Ashwini Tambe (History)

Nhung Tran (History)

Shafique Virani (Historical Studies, University of Toronto Mississauga)

Yiching Wu (East Asian Studies/Asian Institute)

Weiguo Zhang (Sociology, University of Toronto Mississauga)

### Assistant Professors

Hae Yeon Choo (Sociology)  
Xing Fan (Centre for Drama, Theatre and Performance Studies)  
Diana Fu (Political Science, University of Toronto Scarborough)  
Ju Hui Judy Han (Human Geography, University of Toronto Scarborough)  
Kanta Murali (Political Science)  
Rajashree Narayanareddy (Geography)  
Karen Ruffle (Religion)  
Neera Singh (Geography)  
Wen-Ching Sung (Anthropology)  
Yvon Wang (History)  
Jun Zhang (Geography)

### Adjunct Professors

Deepali Dewan (ROM)

Wendy Dobson (Rotman)

## Contact Information

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416-946-8832

## Contemporary Asian Studies, Dr. David Chu Program in Programs

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### Contemporary Asian Studies

The fluid processes of transnationalization and modernization in Asia mean that it is increasingly anachronistic to approach the study of contemporary Asia from the perspective of just one country or a singular discipline. The Contemporary Asian Studies (CAS) major and minor programs offered by the Asian Institute at the Munk School of Global Affairs provide a multi-disciplinary lens through which to examine the linkages between Asia's history, its emergence onto the global stage, and the challenges and opportunities inherent in its modernity, as well as Asia's future(s) in the global arena.

The CAS program is thematically-driven, reflective of contemporary issues that are of relevance to understanding the complexities of today's Asia. The CAS courses are distinctly pan-Asian in geographic scope, providing empirical and critical coverage of South, Southeast, and East Asia through multiple disciplinary approaches to the study of the region, including Anthropology, Economics, Geography, History, Political Science, Religion, and Sociology.

By exposing students to current issues and debates in Asia, the CAS program is designed to prepare students for careers in or about Asia. In addition, the Asian Institute is committed to facilitating overseas experiential learning opportunities, including field schools, international course modules, professional internships, and study abroad opportunities. Upper-level CAS courses are designed to be research-intensive. There is no language requirement for the CAS major or minor.

# Contemporary Asian Studies, Dr. David Chu Program in

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However, students are strongly encouraged to study an Asian language. One FCE in an approved Asian language can be credited towards the major or minor degree.

Students may also be interested in the South Asian Studies minor, which is closely connected with the Contemporary Asian Studies program.

NOTE: Students who wish to count courses towards the CAS major or minor that are not listed as CAS courses or in Group A, B, or C below (including U or T courses and transfer credits) must seek pre-approval from the program director prior to taking the course. Asian content does not guarantee that the course will be approved for CAS program credit.

## Contemporary Asian Studies Major (Arts program)

(7.5 full courses or their equivalent)

1. CAS200Y1 or (CAS201H1 and CAS202H1)
2. CAS310H1 and CAS320H1
3. CAS400H1 and CAS450H1
4. 1.0 FCE each from Group A, B, and C
5. 1.0 additional FCE at the 300 or 400 level from Group A, B, or C, or at any level in an Asian Language
6. 0.5 FCE in a quantitative or qualitative research methods course to fulfill the Research Competency required in the program. Students may use courses listed in the calendar posting below, or another course as approved by the program director.

## Contemporary Asian Studies Minor (Arts program)

(4 full courses or their equivalent)

1. CAS200Y1 or (CAS201H1 and CAS202H1)
2. CAS310H1 and CAS320H1
3. 2 additional FCEs from Group A, B, or C (excluding 100-level courses), OR 1 FCE from Group A, B, and/or C, and 1 FCE at any level in an Asian language.

## Groups of Elective Courses

These are courses pre-approved by the Program to count towards the CAS degrees. Note that not all electives are offered every year. Some may not be offered on a regular basis and/or may only be offered to students enrolled in a POST sponsored by the department or unit offering the courses. Students are responsible for checking co- and prerequisites for all courses listed below.

### Group A: Political Transformation

These are courses pre-approved by the program to count towards Group A: Political Transformation. Students may use courses not on the list but must seek pre-approval from the program before enrolling in the course in question.

CAS430H1: Nationalism and Revolution in Asia

CAS440H1: Critical Asia: Power and Culture

EAS345Y1: The Rise of Greater China: Issues & Topics

EAS357H1: Mao's China and Beyond

EAS364H1: China's Cultural Revolution: History and Memory

EAS374H1: Modern Japan and Colonialism

EAS464H1: The Korean War

EAS474H1: U.S. & Canada's Wars in Asia

EAS484Y1: The Japanese Empire

JHA384H1: Japan and the World, mid-16th to mid-20th century

JHA394H1: The Asia Pacific War

JPA331Y1: Issues in Contemporary Chinese Politics

JPA410H1: Democracy and Identity in Asia

JPA411H1: The Political Economy of Global Taiwan

HIS494H1: Gandhi's Global Conversations

POL215Y1: Politics and Transformation of Asia-Pacific

POL302Y1: State & Society in 20th Century China

POL328H1: Politics and Government in South Asia

POL357Y1: Topics in South Asian Politics

JPA376Y0: Transforming Global Politics: Comparative and Chinese Perspectives

POL431Y1: Politics and Society in Contemporary China

POL441H1: Topics in Asian Politics

### Group B: Social and Economic Transformation

These are courses pre-approved by the program to count towards Group B: Social and Economic Transformation. Students may use courses not on the list but must seek pre-approval from the program before enrolling in the course in question.

CAS420H1: Asia and the New Global Economy

CDN230H1: Asian Canadian History

CDN390H1: Chinese Canadian Studies

EAS247H1: History of Capitalism in Modern Japan

ECO435H1: The Economics of Modern China

GGR342H1: The Changing Geography of Southeast Asia

GGR343H1: The Changing Geography of China

SAS114H1: Introduction to South Asian Studies

ANT341H1: China in Transition

ANT472H1: Japan in Global Context: Anthropological Perspectives

ANT477H1: Transnational Korea in and outside the Peninsula

EAS105H1: Modern East Asia

EAS247H1: History of Capitalism in Modern Japan

EAS272H1: Post-War Korean Society

EAS289Y1: Environment and East Asia

EAS333H1: Modern and Colonial Korea

EAS347H1: Everyday Life in Modern Japan

EAS372H1: The Postwar, Cold War and Divided Korea

EAS375H1: Postwar Japan: Crisis, Apocalypse

# Contemporary Asian Studies, Dr. David Chu Program in

EAS378H1: Edo, Osaka, and Kyoto: Urban Life in Early Modern Japan  
EAS457H1: Special Topics in Modern Japanese History  
EAS473H1: Modern Korean History Seminar  
HIS281Y1: History of Modern Japan  
HIS282Y1: History of South Asia  
HIS283Y1: Southeast Asian Crossroads  
HIS284Y1: Viet Nam: Crossroads of Asia  
HIS315H1: Narratives of Viet Nam  
HIS328H1: Modern China  
HIS346H1: Rice and Spice in Southeast Asia: A Regional Food History  
HIS385H1: The History of Hong Kong  
HIS470H1: History, Rights, and Differences in South Asia  
HIS480H1: Modernity and Its Others: History and Postcolonial Critique  
JHA384H1 Japan in the World, mid-16th to mid-20th Century  
SOC218H1: Asian Communities in Canada

## Group C: Cultural Expression/Exploration

These are courses pre-approved by the program to count towards Group C: Cultural Expression/ Exploration. Students may use courses not on the list but must seek pre-approval from the program before enrolling in the course in question.

CAS350H1: Asian Youth Cultures  
CAS360H1: Asian Genders  
CAS414H1: Public Culture and Media in Asia  
CDN307H1: Asian Cultures in Canada  
CIN376Y1: Chinese Cinemas  
EAS251H1: Aesthetics and Politics in 20th Century Korea  
EAS307H1: Chinese Political Philosophy  
EAS314H1: Culture and World After Hiroshuima and Nagasaki  
EAS333H1: Modernism and Colonial Korea  
EAS394H1: Film Culture in Contemporary China  
EAS431H1: Advanced Topics in Japanese Cinema  
FAH363H1: The Mechanics of the Image in East Asia  
FAH364H1: Visual South Asia  
FAH368H1: Encounters: Art Within and Beyond East Asia  
FAH461H1: East Asian Art as a Cultural System  
FAH462H1: Outside East Asian Art  
FAH463H1: Materiality, Objecthood, Connoisseurship and Collecting in the Arts of East Asia  
FAH464H1: Transregional East Asian Art  
FAH465H1: Exhibiting China

FAH466H1: Photography in India  
HIS448H1: Gender in East and Southeast Asia  
HIS467H1: French Colonial Indochina: History, Cultures, Texts, Film  
MUS209H1: Performing Arts of South Asia  
RLG205H1: Hinduism  
RLG311H1: Gender, Body and Sexuality in Asian Traditions  
RLG312H1: Gender, Body and Sexuality in Islam  
RLG355H1: Anthropology of Islam  
RLG356H1: Islam in China  
RLG358H1: Special Topics in Hinduism  
RLG361H1: Hinduism in the Diaspora  
RLG364H1: Hinduism and Contemporary Media  
RLG365H1: Modern Hinduism  
RLG366H1: Hindu Philosophy  
RLG372H1: Tibetan Buddhism  
RLG373H1: Buddhist Ritual  
RLG375H1: Buddhist Thought  
RLG376H1: Buddhism in South and Southeast Asia  
RLG378H1: Himalayan Buddhism  
RLG379H1: Central Asian Buddhism  
RLG459H1: Disciplining Islam  
RLG464H1: History and Historiography of Buddhism  
RLG467H1: Buddhist Institutions  
RLG472H1: Religion and Aesthetics in South Asia  
NEW214Y1: Socially Engaged Buddhism

## Quantitative and Qualitative Reasoning Competency

These are courses pre-approved by the Program to count towards the research competency requirement. This requirement is designed to encourage students to enhance their research and analytical skills, tools that will enhance their interdisciplinary study of Asia. Students may take courses not on the list but must seek pre-approval from the Program before enrolling.

ANT447H1: Ethnographic Practicum: Metropolis  
ANT449H1: Ethnographic Practicum: Infrastructures  
DTS300H1: Research Design for Diaspora and Transnational Studies  
ECO220Y1: Quantitative Methods in Economics  
ECO227Y1: Quantitative Methods in Economics  
GGR225H1: Power of Maps and Geographic Information  
GGR270H1: Introductory Analytical Methods  
GGR271H1: Social Research Methods  
MUN105Y1: Global Problem-Solving: Laboratory Opportunities

# Contemporary Asian Studies, Dr. David Chu Program in

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POL222H1: Introduction to Quantitative Reasoning

POL419H1: Quantitative Methods and Data Analysis

PSY201H1: Statistics

PSY202H1: Statistics II

STA201H1: Why Numbers Matter

STA220H1: The Practice of Statistics

SOC200H1: Logic of Social Inquiry

SOC302H1: Qualitative Analysis in Social Science Research

## Contemporary Asian Studies, Dr. David Chu Program in Courses

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### **CAS201H1 Asian Sites, Global Questions, Part 1 (Formerly CAS200Y1) [24L]**

This course, along with CAS202H1, addresses Asia empirically in contemporary global formations and as an idea in the global imagination. It introduces students to critical research methods and scholarship on Asia and its transnational formations. At the same time, it grapples with contemporary global problems, as well as Asian-Canadian connections posed by the unique configurations of politics, economy, culture and historical memory in contemporary Asian sites. Interdisciplinary analytical and research methods are introduced to provide area studies grounding and conceptual framing. This course provides preparation to delve into located Asia-based studies to ask universal questions on the nature of democracy, authoritarianism, markets, social justice, and the meanings and media for cultural expression. It informs students aiming to take more advanced courses on Asia and globalization and provides the foundation for the Contemporary Asian Studies major and minor. CAS201H1 introduces students to basic social science frameworks in the study of global Asia.

Prerequisite: 4 FCEs

Exclusion: CAS200Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **CAS202H1 Asian Sites, Global Questions, Part 2 (Formerly CAS200Y1) [24L]**

This course, along with CAS201H1, addresses Asia empirically in contemporary global formations and as an idea in the global imagination. It introduces students to critical research methods and scholarship on Asia and its transnational formations. At the same time, it grapples with contemporary global problems, as well as Asian-Canadian connections posed by the unique configurations of politics, economy, culture and historical memory in contemporary Asian sites. Interdisciplinary analytical and research methods are introduced to provide area studies grounding and conceptual framing. This course provides preparation to delve into located Asia-based studies to ask universal questions on the nature of democracy, authoritarianism, markets, social justice, and the meanings and media for cultural expression. It informs students aiming to take more advanced courses on Asia and globalization and provides the foundation for the Contemporary Asian Studies major and minor. CAS202H1 puts the frameworks introduced in CAS201H1 in conversation with practical methods in applied/policy studies.

Prerequisite: CAS201H1

Exclusion: CAS200Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **CAS310H1 Comparative Colonialisms in Asia [24L]**

This course analyzes the impact of colonialism in South, East, and Southeast Asia and the various ways in which pre-colonial traditions intersect with and reshape colonial and postcolonial process across the various regions of Asia. The course will examine the conjunctures of economy, politics, religion, education, ethnicity, gender, and caste, as these have played out over time in the making and re-making of Asia as both idea and place. Attention will be paid to postcolonial and indigenous theories, questions of 'the colonial' from the perspective of Asian Studies, and debates about the meaning of postcolonialism for the study of Asia now and in the future.

Prerequisite: CAS200Y1 or CAS201H1

Recommended Preparation: CAS202H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

### **CAS320H1 Comparative Modernities in Asia [24L]**

Since at least the late 1700s, the effects of capitalism across the globe have profoundly transformed the landscapes of human livelihood, consumption, production and governance in Asia. While colonial empires have declined, new empires have emerged, and a growing number of countries have witnessed the rise of nationalism and independent states, social, political and technological revolutions, and most recently neoliberal globalization. This course theorizes and explores these dramatic changes in a comparative framework. It is aimed at students wishing to better understand the great transformations of modern Asia in a global context.

Prerequisite: CAS200Y1 or CAS201H1

Recommended Preparation: CAS202H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

### **JPA331Y1 Issues in Contemporary Chinese Politics [48L]**

The course covers topics of interest in China from the Communist takeover in 1949 through to the reform period of the 1980s, 1990s and 2000s. It will also address aspects of China's diplomacy related to its growing economic power. (*Given by the Department of Political Science and the Contemporary Asian Studies Program*)

Prerequisite: 2.0 POL courses or CAS200Y1/CAS201H1

Exclusion: POL300H1 F (taken in 2009-10 or 2010-11)/POLC16H3

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

### **CAS350H1 Asian Youth Cultures [24L]**

In focusing on youth in Asia, this course brings together two disputed cultural formations of substantial contemporary importance. Both youth and Asia are increasingly invoked on the global stage in support of a wide range of interests. Examining practices of young people and the idea of youth in the context of Asia requires critical attention to the promises and fears that attach to the rise of Asian economies, international demographic transitions, the growth of a global middle-class, increasing consumption disparities, changing immigration patterns, expanding technological skills, global/local environmental concerns, and young people's shifting political priorities and loyalties. The course may consider: youth subcultures, styles, music, and politics.

Prerequisite: Minimum of 6 FCEs

Recommended Preparation: CAS200Y1 or CAS201H1 and CAS202H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Creative and Cultural Representations (1)

## **CAS360H1 Asian Genders [24L]**

This course will explore ways that gender is mobilized and produced in parts of Asia. It seeks to understand gender in its diversity and in attempts to “fix” or locate it in various bodies and places. Attempts will be made to see how gender is made knowable in terms of sexuality, medicine, nation, class, ethnicity, religion, and other discourses.

Prerequisite: Minimum of 6 FCEs

Recommended Preparation: CAS200Y1 or CAS201H1 and CAS202H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CAS370H1 Asian Cities [24L]**

This course offers a multidisciplinary perspective of urban life in Asia. The thematic focus will be on how the urban intersects with modernities and postcolonial formations. Drawing on recent scholarship in the social sciences and the humanities, we will examine the realignment of cultural, political, and economic forces associated with Asia’s diverse processes of urbanization.

Prerequisite: Minimum of 6 FCEs

Recommended Preparation: CAS200Y1 or CAS201H1 and CAS202H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **JHA384H1 Japan in the World, mid-16th to mid-20th century [24L]**

This course examines Japan within the context of world history from the mid-16th to the mid-20th century. Rather than seek comprehensive coverage of Japan’s national history along a linear timeline, we will use Japan as a lens through which to consider key moments in the history of the modern world.

Prerequisite: HIS102Y1/HIS103Y1/HIS107Y1/HIS241H1/HIS242H1/HIS244H1/HIS250H1/HIS250Y1/HIS271Y1/HIS280Y1/HIS281Y1/HIS282Y1/HIS283Y1/HIS291H1/HIS291Y1/HIS292H1/HIS292Y1/HIS297Y1 or permission of the instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **CAS390H1 Special Topics [24L]**

Course content varies in accordance with the interest of the instructor.

Check <http://munkschool.utoronto.ca/ai/cas> for an updated description.

Prerequisite: Minimum of 6 FCEs

Recommended Preparation: CAS200Y1 or CAS201H1 and CAS202H1

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **CAS393H1 Independent Research [TBA]**

Supervised independent research on a topic agreed on by the student and supervisor before enrolment in the course. Open to advanced students with a strong background in contemporary Asian studies. A maximum of one year of Independent Research courses is allowed per program. Contact hours with the supervisor may vary, but typically comprise of one hour per week. Not eligible for CR/NCR option.

Prerequisite: At least 10 FCEs, permission from Program Director

## **CAS393Y1 Independent Research [TBA]**

Supervised independent research on a topic agreed on by the student and supervisor before enrolment in the course. Open to advanced students with a strong background in contemporary Asian studies. A maximum of one year of Independent Research courses is allowed per program. Contact hours with the supervisor may vary, but typically comprise of one hour per week. Not eligible for CR/NCR option.

Prerequisite: At least 10 FCEs, permission from Program Director

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **JHA394H1 The Asia Pacific War [24L]**

This course examines the Second World War in the Asia Pacific region and highlights: (1) how imperialism and colonialism of both the Euro-American and Japanese varieties were central to the War’s outbreak, conduct, and “resolution”; (2) various “local” rather than simply national experiences and memories of the War, including those of marginalized groups in Japan and its colonies, “comfort women,” victims of war atrocities, Asian North Americans, African Americans, and Pacific Islanders.

Prerequisite: HIS107Y1/HIS242H1/HIS250H1/HIS251H1/HIS263Y1/HIS271Y1/HIS280Y1/HIS281Y1/HIS282Y1/HIS283Y1/HIS284Y1/HIS292Y1/HIS311Y1/HIS317H1/HIS328H1/HIS338H1/HIS343Y1/HIS344Y1/HIS351Y1/HIS361Y1/HIS377H1/HIS385H1/HIS385Y1

Recommended Preparation: One or more courses on Japan, China, Korea, or Southeast Asia in any department.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **CAS400H1 Interdisciplinary Research Methods in Contemporary Asian Studies (Formerly CAS400Y1) [24S]**

This seminar addresses Asian worlds –In Asia, transnationally, and locally –to cultivate new approaches to global processes and problems. The course explores key Asian sites that open new configurations for studying interactions between economic/environmental development, political change, and migration and cultural politics. It provides an advanced and systematic overview of the research methodologies that students have been exposed to throughout the CAS program. These include historical-archival, ethnographic, visual/media, and statistical/quantitative methods that allow us to map Asian political, economic, and cultural formations, and through them, global challenges. The seminar builds interdisciplinary conversations attentive to both critical problematizing and problem-solving, to qualitative and applied projects. Together with CAS450H1, it is the required capstone to the Contemporary Asian Studies major.

Prerequisite: CAS200Y1/(CAS201H1, CAS202H1); CAS310H1

Exclusion: CAS400Y1

Recommended Preparation: CAS320H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **JPA411H1 The Political Economy of Global Taiwan [24S]**

This course explores the place of Taiwan in the new global economy from historical, comparative, and international relations perspectives. *(Given by the Department of Political Science and the Contemporary Asian Studies Program)*

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **CAS413H1 Asia and Canada [24S]**

This course is an interactive, participatory seminar. It will provide an opportunity to complement theoretical understanding about Asia acquired in other courses through hands-on research and experiential learning. The course will enable students to link studying Asia and Canada to career trajectories in the field of development and research.

Prerequisite: At least 14 FCEs

Exclusion: NEW413H1, SAS413H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

# Contemporary Asian Studies, Dr. David Chu Program in

## **CAS414H1 Public Culture and Media in Asia [24S]**

This upper-level seminar will introduce students to the interdisciplinary study of popular culture and mass-mediated cultural forms in Asia. Through readings about popular protest, festivals, cinema, print, television, and music this course provides methodological tools to interpret the politics of representation and the formation of alternative modernities in the Asian continent and among the diaspora. The course will furthermore familiarize students with a range of theoretical lenses for conceptualizing the different meanings of the public from a modern Asian perspective.

Prerequisite: At least 14 FCEs

Exclusion: NEW414H1, SAS414H1

Recommended Preparation: CAS200Y1 or CAS201H1 and CAS202H1

Distribution Requirement Status: Social Science

Breadth Requirement: Creative and Cultural Representations (1)

## **CAS420H1 Asia and the New Global Economy (formerly JPA420H1) [24S]**

This course explores the rise of Asia and its integration into the new global economy (labour, capitalism, knowledge economy, economic nationalism, inequality, gender, the meaning of capitalism, democracy, among others), exposing students to diverse disciplinary perspectives. Geographical coverage is pan-Asian, including East, Southeast and South Asia.

Prerequisite: At least 14 FCEs

Exclusion: JPA420H1

Recommended Preparation: CAS200Y1 or CAS201H1 and CAS202H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **CAS430H1 Nationalism and Revolution in Asia [24L]**

This course explores the far-reaching social, political, and cultural transformations in modern East, Southeast, and South Asia, focusing on the twentieth-century revolutionary histories and struggles to establish modern nation-states. The course adopts a topical approach within a chronological and comparative framework to highlight major historical movements and theoretical issues significant to the Asian experience.

Prerequisite: At least 14 FCEs

Exclusion: HIS382H1, ASI430H1

Recommended Preparation: CAS200Y1/(CAS201H1, CAS202H1), CAS310H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **CAS450H1 Asian Pathways Research Practice (Formerly CAS400Y1) [24S]**

This seminar builds on the systematic overview of research methodologies of the Contemporary Asian Studies major and its capstone course, CAS400H1. CAS450H1 provides students with the opportunity to research questions of contemporary relevance stemming from Asia and its transnational networks and communities. Addressing a range of methodologies, including historical-archival, ethnographic, visual/media, and statistical/quantitative, the course emphasizes research experience outside the classroom, in Asia as well as locally with communities in Toronto. Students will develop their own research contributions while working collaboratively.

Prerequisite: At least 14 FCEs, including CAS200Y1/(CAS201H1, CAS202H1); CAS310H1; CAS400H1

Exclusion: CAS400Y1

Recommended Preparation: CAS320H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CAS490H1 Special Topics in Contemporary Asian Studies [24S]**

Course content varies in accordance with the interest of the instructor. Check <http://munkschool.utoronto.ca/ai/cas> for an updated description. Prerequisite: At least 14 FCEs including CAS200Y1/(CAS201H1, CAS202H1) and CAS310H1; and enrolment in the Contemporary Asian Studies major or minor or permission from the Program Director.

Recommended Preparation: CAS320H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

## **CAS498H1 Independent Research [TBA]**

Supervised independent research on a topic agreed on by the student and supervisor before enrolment in the course. Open to advanced students with a strong background in contemporary Asian studies. A maximum of one year of Independent Research courses is allowed per program. Contact hours with the supervisor may vary, but typically comprise of one hour per week. Not eligible for CR/NCR option.

Prerequisite: At least 14 FCEs including CAS200Y1/(CAS201H1 and CAS202H1), CAS310H1; enrolment in the Contemporary Asian Studies major or minor, and permission from the Program Director

Recommended Preparation: CAS320H1

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **CAS498Y1 Independent Research [TBA]**

Supervised independent research on a topic agreed on by the student and supervisor before enrolment in the course. Open to advanced students with a strong background in contemporary Asian studies. A maximum of one year of Independent Research courses is allowed per program. Contact hours with the supervisor may vary, but typically comprise of one hour per week. Not eligible for CR/NCR option.

Prerequisite: At least 14 FCEs including CAS200Y1/(CAS201H1, CAS202H1), CAS310H1; enrolment in the Contemporary Asian Studies major or minor, and permission from the Program Director

Recommended Preparation: CAS320H1

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **Courses with priority enrolment**

In addition to the CAS and joint courses listed above, the following courses offer priority enrolment to CAS students:

CIN376Y1	Chinese Cinemas
EAS396H1	Science, Technology and Medicine in Modern China
JPA376Y0	Transforming Global Politics: Comparative and Chinese Perspectives
POL215Y1	Politics and Transformation of Asia-Pacific
POL328H1	Politics and Government in South Asia
SAS114H1	Introduction to South Asian Studies



## Faculty

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### Professor Emeritus

A.N. Doob, AB, Ph D, FRSC

### Professor and Acting Director

M. Valverde, BA, MA, Ph D, FRSC

### Professor

R. Gartner, BA, MS, Ph D

### Associate Professors

M. Light, AB, MA, JD, Ph D

S. Wortley, MA, Ph D

### Assistant Professor

B. Jauregui, BA, MA, Ph D

### Lecturer

W. Watson, BSc, Ph D

### CLTA

H. Brabazon, BA, MA, DPhil

### Adjunct Professor

Breese Davies, MA, LLB

The Centre for Criminology and Sociolegal Studies is a research and teaching unit at the University of Toronto. Founded in 1963 by Prof. John Edwards, the Centre's faculty and students study crime, order and security from a variety of disciplinary perspectives and theoretical approaches. With backgrounds in sociology, history, law, psychology, philosophy and political science, the faculty are actively engaged in Canadian and international criminological research. The Centre's library (the Criminology Information Service) houses the leading Canadian research collection of criminological material, consisting of more than 25,000 books, journals, government reports, statistics and other documents.

In 2013, the undergraduate program became integrated with the Centre for Criminology and Sociolegal Studies. The close relationship between the Centre for Criminology and Sociolegal Studies and Woodsworth College helps to foster even greater academic excellence for students enrolled in the Criminology and Sociolegal Studies program as they will continue to benefit from the rich academic support services and facilities available at the College, including the Academic Writing Centre. Woodsworth College remains the home of the Undergraduate Program Office and the Criminology and Sociolegal Studies Students' Association (CRIMSA).

The Criminology and Sociolegal Studies program incorporates theory, research methods, and knowledge from a wide range of other disciplines such as history, political science, philosophy, sociology, psychology, law and economics. The program provides students with a sound foundation for the understanding of crime and the administration of justice in Canada and abroad, and, more generally, the processes of social order and disorder. Most students combine their studies in Criminology and

Sociolegal Studies with programs in Political Science, Psychology or Sociology.

People with backgrounds in Criminology and Sociolegal Studies are found working in Correctional Services, Law Enforcement, Courts and other settings. A career in the Criminology field requires additional education and experience beyond the undergraduate level. A comprehensive career information page is available on the Program Office website.

Detailed information on program requirements, application forms for CRI395/396/397 and other useful resources can be found on the Program Office website.

Program Office | Woodsworth College  
119 St. George Street - Room 236 | Toronto ON M5S 1A9  
crim@utoronto.ca  
www.wdw.utoronto.ca

CRIMSA | Woodsworth College  
119 St. George Street - Room 18 Bsmt | Toronto ON M5S 1A9  
crimsa.exec@gmail.com  
facebook.com/groups/CRIMSA

## Criminology and Sociolegal Studies, Centre for Programs

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### Criminology and Sociolegal Studies - Major (Arts Program)

#### Program admission:

This is a limited enrolment program and achieving the minimum mark threshold does not guarantee admission to the Criminology and Sociolegal Studies major in any given year.

Requests for admission will be considered in the first program request period only (April 1-May 11, 2016). Eligibility will be based on a student's mark in the required courses listed below. The precise mark threshold is an estimate of what will be required in the 2016 program admission cycle.

*Applying after first year:* Students may apply to this program after completion of at least four full-course equivalents which must include the following:

2.0 FCEs at the 100 or higher level from courses that begin with the following course codes: ECO/HIS/PHL/POL/PSY/SOC. Any combination from this list is acceptable. Courses with other course codes will not be accepted. Admission will be determined by a student's marks in these 2.0 FCEs taken in the most recent session (20159-20161). It is expected that a minimum combined average of 70% in these 2.0 FCEs will be required for admission in 2016.

*Applying after second or third year:* Same as above.

#### Notes:

1. It takes at least two years to complete this program. Do not change your program after year 3 if you are required to complete your degree in four years. Prerequisites and program requirements will not be waived.
2. Due to the limited enrolment nature of this program students are strongly advised to enroll in backup programs.

#### How to request admission to the program:

There is one request period only (April 1 - May 11, 2016). Application is made using the Program Application Form (not ACORN). The program code for the major is ASMAJ0826.

# Criminology and Sociolegal Studies, Centre for

How to request enrolment in Type 3 programs:

Step 1: apply during round 1 (April 1 - May 11, 2016) using the Program Application Form

Step 2: enrol in backup programs (April 1 - May 11, 2016)

Step 3: check ACORN on June 30, 2016 to check the status of your requests

Step 4: if invited (INV status)->accept the invitation on ACORN (deadline to accept is August 3, 2016)

Step 5: if refused (REF status)->check the status of your backup programs and visit your Registrar's Office if you need assistance

For detailed information and instructions see Program Enrolment.

## Program requirements:

The following requirements apply to students admitted to the Criminology and Sociolegal Studies major in 2016.

Students must complete a total of 8.0 FCEs including at least 2.0 CRI 300+level FCEs, 0.5 of which must be a 400-level CRI course. Each course requirement is individual and cannot be used more than once. A course taken on a CR/NCR basis may not be used to satisfy program requirements.

1: 2.0 FCEs from ECO/HIS/PHL/POL/PSY/SOC

2: All of CRI205H1, CRI210H1, CRI225H1

3: At least 2.0 300+ level FCEs from Group A, at least 0.5 must be a 400-level lecture/seminar course

4: At least 0.5 from Group B

5: Additional courses (excluding those already counted) from Groups A and C for a total of 8.0 FCEs

Note: Students may use a maximum of 1.0 Independent Study FCE and 1.0 Research Participation FCE towards the Criminology & Sociolegal Studies program.

## Group A:

CRI300H1/CRI325H1/CRI335H1/CRI340H1/CRI343H1/CRI365H1/CRI370H1/CRI380H1/CRI383H1/CRI385H1/CRI387H1/CRI390H1/CRI391H1/CRI392H1/CRI393H1/CRI394H1/CRI395H1/CRI395Y1/CRI396H1/CRI397Y1/CRI415H1/CRI420H1/CRI425H1/CRI427H1/CRI428H1/CRI429H1/CRI431H1/CRI435H1/CRI445H1/CRI480H1/CRI487H1/CRI490H1/CRI491H1

**Group B:** PSY201H1/PSY202H1/SOC200H1/SOC202H1/CRI350H1

## Group C:

ANT444Y1/HIS411H1/PHL271H1/PHL370H1/PSY220H1/PSY240H1/PSY328H1/SOC205H1/SOC212H1/SOC306Y1/SOC313H1/SOC315H1/SOC413H1/TRN412H1/CRI215H1/CRI389Y0

Note about non CRI courses:

1. Some courses may be available only to students who have completed specified prerequisites and/or are enrolled in a program sponsored by the department offering the course. Course enrolment conditions are listed in the Arts and Science timetable. Course descriptions, prerequisites, corequisites and exclusions are listed in the Calendar.
2. Students who have completed criminology/sociolegal type courses in the Faculty of Arts and Science that are not included in Group C may email the Program Coordinator to find out if the courses can be included in the Group C program requirements.

## Criminology and Sociolegal Studies - Specialist (Arts Program)

### Program admission:

This is a limited enrolment program and achieving the minimum mark thresholds does not guarantee admission to the Criminology and Sociolegal Studies specialist in any given year.

Requests for admission will be considered in the first program request period only (April 1 - May 11, 2016). Eligibility will be based on a student's mark in the required courses listed below. The precise mark thresholds are an estimate of what will be required in the 2016 program admission cycle.

*Applying after first year:* There is no admission to this program after first year.

*Applying after second year:* Student must be enrolled in the Criminology and Sociolegal Studies major (ASMAJ0826) and have completed a minimum of 8.0 FCEs including CRI205H1, CRI210H1 and CRI225H1. A minimum combined average of at least 80% in CRI205H1, CRI210H1 and CRI225H1 is required.

*Applying after third year:* Student must be enrolled in the Criminology and Sociolegal Studies major (ASMAJ0826) and have completed at least 12.0 FCEs and have a minimum combined average of 80% in the following 3.0 FCEs: Four 300+ level half-credit CRI lecture or seminar courses and 1.0 FCE from CRI205H1, CRI210H1 and CRI225H1.

Important: Students are advised not to make program changes after year 3 as it may not be possible to complete the program requirements for the Specialist program in year 4. Prerequisites and program requirements will not be waived.

### How to request admission to the program:

There is one request period only (April 1 - May 11, 2016). Application is made using the Program Application Form (not ACORN). The program code for the specialist is ASSPE0826.

How to request enrolment in Type 3 programs:

Step 1: apply during round 1 (April 1 - May 11, 2016) using the Program Application Form

Step 2: enrol in backup programs (April 1 - May 11, 2016)

Step 3: check ACORN in early July to check the status of your requests

Step 4: if invited (INV status)->accept the invitation on ACORN (deadline to accept is August 3, 2016)

Step 5: if refused (REF status)->check the status of your backup programs and visit your Registrar's Office if you need assistance

For detailed information and instructions see Program Enrolment.

### Program requirements:

The following requirements apply to students admitted to the Criminology and Sociolegal Studies specialist in 2016. Each course requirement is individual and cannot be used more than once. A course taken on a CR/NCR basis may not be used to satisfy program requirements.

Students in the specialist program must complete a minimum of 11.0 FCEs which includes 7.0 CRI FCEs, 1.0 FCE at the 400-level and 3.0 FCEs at the 300+ level from the categories listed below:

1. 2.0 FCEs from ECO/HIS/PHL/POL/PSY/SOC
2. All of: CRI205H1, CRI210H1, CRI225H1, CRI343H1, CRI325H1, CRI335H1, CRI340H1, CRI350H1
3. At least 2.0 FCEs from Group A
4. At least 1.0 FCE from Group B
5. Additional FCEs (excluding those already counted) from Groups A, B or C for a total of 11.0 FCEs

Note: Students may use a maximum of 1.0 Independent Study FCE and 1.0 Research Participation FCE towards their Criminology & Sociolegal Studies program.

## Group A:

CRI325H1/CRI365H1/CRI370H1/CRI380H1/CRI383H1/CRI385H1/CRI387H1/CRI390H1/CRI391H1/CRI392H1/CRI393H1/CRI394H1/CRI395H1/CRI395Y1/CRI396H1/CRI397Y1/CRI450H1

## Group B:

CRI415H1/CRI420H1/CRI425H1/CRI427H1/CRI428H1/CRI429H1/CRI431H1/CRI435H1/CRI445H1/CRI480H1/CRI487H1/CRI490H1/CRI491H1

## Group C:

ANT444Y1/HIS411H1/PHL271H1/PHL370H1/POL242Y1/PSY201H1/PSY202H1/PSY220H1/PSY240H1/PSY328H1/SOC205H1/SOC212H1/SOC306Y1/SOC313H1/SOC315H1/SOC413H1/TRN412H1/CRI215H1/CRI389Y0

Note about non CRI courses:

1. Some courses may be available only to students who have completed specified prerequisites and/or are enrolled in a program sponsored by the department offering the course. The course enrolment conditions are listed in the in the Arts and Science timetable. Course descriptions, prerequisites, corequisites and exclusions are listed in the Calendar.
2. Students who have completed criminology/sociolegal Studies type courses in the Faculty of Arts and Science that are not included in Group C may email the Program Coordinator to find out if the courses can be included in the Group C program requirements.

## Criminology and Sociolegal Studies, Centre for Courses

Not all courses are offered every year. Please check the timetable for the list of current course offerings. Students without course prerequisites will be removed at any time they are discovered. Course enrolment conditions are listed in the Arts and Science timetable. Course descriptions, prerequisites, corequisites and exclusions are listed below.

### **CRI205H1 Introduction to Criminology (formerly WDW205H1) [24L/12T]**

An introduction to the study of crime and criminal behaviour. The concept of crime, the process of law formation, and the academic domain of criminology. Theories of crime causation, methodologies used by criminologists, and the complex relationship between crime, the media and modern politics.

Prerequisite: CRI210H1

Exclusion: WDW205H1, WDW200Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **CRI210H1 Criminal Justice (formerly WDW210H1) [24L/12T]**

An introduction to the Canadian criminal justice system. The institutions established by government to respond to crime and control it; how they operate, and the larger function they serve; including the role of the police, the trial process, courts and juries, sentencing, imprisonment and community corrections.

Prerequisite: Open to students in the Criminology and Sociolegal Studies program (ASMAJ0826)

Corequisite: CRI225H1

Exclusion: WDW210H1, WDW200Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **CRI215H1 Introduction to Sociolegal Studies (formerly WDW215H1) [24L/12T]**

The course covers several major issues that will help prepare students for advanced courses in the criminology major: the meaning of law, the production of laws and legal institutions, law in action, comparative legal traditions, and the methodology of sociolegal studies.

Prerequisite: 4.0 FCEs and a minimum cgpa of 2.3 or enrolment in the Criminology & Sociolegal Studies program

Exclusion: WDW215H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **CRI225H1 Criminal Law (formerly WDW225H1) [24L/12T]**

The main principles and themes of Canadian criminal law; legal definitions of crime, requirements of a criminal act (actus reus), criminal intention (mens rea), causation and defences. The origins, goals and functioning of criminal law, and limits on the power of the state to criminalize behaviour.

Prerequisite: CRI210H1

Corequisite: CRI205H1

Exclusion: WDW225H1, WDW220Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **CRI300H1 Theories of Criminal Justice (formerly WDW300H1) [36L]**

A survey of the evolution of normative theories of criminal justice, which examines how major theorists from the Enlightenment to the contemporary period have understood the normative justification for criminal prohibition and punishment. Although the course focuses on western political philosophy and social science, there will also be some attention to theories of criminal justice in selected non-western traditions.

Prerequisite: (CRI205H1 and CRI225H1) or (1.0 FCE 300+ level from HIS/PHL/POL/SOC and a min cgpa of 2.5)

Exclusion: WDW300H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **CRI325H1 Criminal Procedure (formerly WDW325H1) [24L/12T]**

The main principles and themes of Canadian criminal procedure, and the role of state officials and institutions in investigating and prosecuting crime. Doctrinal and statutory frameworks governing the administration and enforcement of criminal law in Canada, and the role of constitutional rights in the criminal process.

Prerequisite: CRI205H1, CRI225H1

Exclusion: WDW325H1, WDW220Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **CRI335H1 Policing (formerly WDW335H1) [36L]**

A theoretical framework is developed to examine the nature of policing, its structure and function. Attention is given to the history of policing and to its public and private forms. An examination of the objectives and domain, as well as the strategies, powers, and authority of contemporary policing; including decision-making, wrong-doing, accountability, and the decentralization of policing.

Prerequisite: CRI205H1, CRI210H1, CRI225H1

Exclusion: WDW335H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI340H1 Punishment: Theory and Practice (formerly WDW340H1) [36L]**

The study of punishment from historical and philosophical perspectives, with a focus on contemporary Canadian policy issues. Topics covered include penal theory, prisons and non-carceral forms of punishment, and the goals of penal reform.

Prerequisite: CRI205H1, CRI210H1, CRI225H1

Exclusion: WDW340H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI343H1 Comparative Criminal Justice (formerly WDW343H1) [36L]**

Criminal justice issues outside Canada, based on a variety of international and historical studies. The evolution of criminal justice systems in Western Europe, including the English adversarial and continental European inquisitorial approaches. A comparison of policing, criminal procedure, forms of punishment, and crime rates in the contemporary world.

Prerequisite: CRI205H1, CRI210H1, CRI225H1

Exclusion: WDW393H1 taken in 2008-09, WDW343H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI350H1 Understanding Criminological Research (formerly WDW350H1) [36L]**

An introduction to social science research methods used by criminologists. An understanding of the strengths and weaknesses of published criminological research is developed. Specific technical issues such as sampling and measurement are taught in the context of examining alternative ways of answering research questions.

Prerequisite: CRI205H1, CRI210H1, CRI225H1

Exclusion: SOC200H1, SOC200Y1, WDW350H1, WDW350Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI365H1 Crime and Mind (formerly WDW365H1) [36L]**

Legal, psychological and sociological understandings of issues in the criminal justice system, through a consideration of topics including: criminal intent, the Not Criminally Responsible on Account of Mental Disorder defence, the use of battered woman syndrome as part of a self-defence, infanticide, issues of transcultural psychiatry, and jury screening for bias.

Prerequisite: 1.0 FCE from CRI205H1, CRI210H1, CRI225H1

Exclusion: WDW365H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI370H1 Youth Justice (formerly WDW370H1) [36L]**

The course will examine what is known about offending by youths and the various purposes that have been attributed to youth justice systems.

The course will focus, in large part, however, on the nature of the laws and youth justice systems that have been designed in Canada and elsewhere to respond to offending by youths.

Prerequisite: CRI205H1, CRI210H1, CRI225H1

Exclusion: WDW370H1, WDW375H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI380H1 Crime, Gender and Sex (formerly WDW380H1) [36L]**

Theory, research and policy related to the ways in which gender shapes criminal behaviour, the administration of criminal justice, and the criminal law. How notions of different types of masculinity and femininity are embedded in and influence both the operation of the criminal justice system as well as criminal behaviours. The regulation of gender and sexuality through the criminal law and through crime.

Prerequisite: (CRI205H1 and CRI210H1) or (70% in SOC212H1 and enrolment in Sociology program)

Exclusion: WDW380H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI383H1 Immigration, Ethnicity and Crime (formerly WDW383H1) [36L]**

The connection between immigration and crime, the effect of immigration on crime rates, discrimination against immigrants, the representation of immigrants in crime statistics, public perception of risk and security, and criminal justice policy changes which affect immigration. We consider research conducted in North America and Europe.

Prerequisite: CRI205H1 or SOC212H1

Exclusion: WDW383H1, WDW390H1 in 2008

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI385H1 Representing Crime and Authority (formerly WDW385H1) [36L]**

Cultural constructions of crime, disorder, dangerousness and risk are integral parts of the criminal justice system. A critical analysis of how criminal justice personnel, the media, and academic criminologists construct their authority through symbols and images, in order to "explain" and manage crime, and how these representations are regarded in public discourse.

Prerequisite: 1.0 FCE from CRI205H1, CRI210H1, CRI225H1

Exclusion: WDW385H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI386H1 Origins of Criminal Justice Policy [36L]**

Criminal justice practice, as well as political debate concerning crime and criminal justice, are often influenced by ideas that are initially developed outside the criminal justice arena. This course examines the history, current influence and efficacy of a range of such ideas, such as: the role of religious practice in rehabilitating offenders; military service and participation in sports as preventive of delinquency; the influence of environmental pollution on crime rates; the concept of the 'problem family'; intelligence based policing and the use of management theories in criminal justice organizations.

20171: The course will include an optional Service Learning component. Students in the Service Learning component complete 20 hours volunteer work with a community service agency and a reduced study load in the lecture course. Space in the Service Learning option is limited. See timetable for details.

Prerequisite: CRI205H1, CRI210H1

Exclusion: CRI390H1 Roots of Criminal Justice Policy taken in 20141/20151/20161.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI387H1 Legal Regulation of Morality (formerly WDW387H1) [36L]**

Moral regulation through criminal law, and the role of legal texts and procedures in promoting certain values while marginalizing others. The decriminalization of homosexuality and abortion, the censorship of pornography, the key role of administrative law mechanisms, and the transformation from direct to indirect forms of regulation.

Prerequisite: (CRI205H1 and CRI225H1) or (SDS255H1/UNI255H1 and SDS256H1/UNI256H1)

Exclusion: WDW391H1 in 2002, WDW387H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI389Y0 Topics in Criminology & Sociolegal Studies Abroad (formerly WDW389Y0) [TBA]**

Topics in Criminology and Sociolegal Studies offered in an international setting. The content may vary from year to year.

2016 Summer Abroad (England) - Topic: Rights, Freedoms and Responsibilities in Criminal Law: England and Canada

Prerequisite: Consult the Summer Abroad Program Office.

Exclusion: WDW389Y0

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI390H1 Topics in Criminology & Sociolegal Studies (formerly WDW390H1) [36L]**

The objective of the course is to explore emerging issues in Criminology, and their social, legal, ethical and political implications. Topics vary from year to year.

Prerequisite: 1 FCE from CRI205H1, CRI210H1, CRI225H1

Exclusion: WDW390H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI391H1 Topics in Criminology & Sociolegal Studies (formerly WDW391H1) [36L]**

The objective of the course is to explore emerging issues in Criminology, and their social, legal, ethical and political implications. Topics vary from year to year.

Prerequisite: 1 FCE from CRI205H1, CRI210H1, CRI225H1

Exclusion: WDW391H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI392H1 Topics in Criminology & Sociolegal Studies (formerly WDW392H1) [36L]**

The objective of the course is to explore emerging issues in Criminology, and their social, legal, ethical and political implications. Topics vary from year to year.

Prerequisite: 1 FCE from CRI205H1, CRI210H1, CRI225H1

Exclusion: WDW392H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI393H1 Topics in Criminology & Sociolegal Studies (formerly WDW393H1) [36L]**

20171 Topic: Human Rights & Security

The objective of the course is to explore emerging issues in Criminology, and their social, legal, ethical and political implications. Topics vary from year to year.

Prerequisite: 1 FCE from CRI205H1, CRI210H1, CRI225H1

Exclusion: WDW393H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI394H1 Topics in Criminology & Sociolegal Studies (formerly WDW394H1) [36L]**

20171 Topic: Indigenous Peoples & Criminal Law

The objective of the course is to explore emerging issues in Criminology, and their social, legal, ethical and political implications. Topics vary from year to year.

Prerequisite: (1 FCE from CRI205H1, CRI210H1, CRI225H1) or

(ABS300Y1/ABS301Y1/ABS351Y1, 1.0 FCE from HIS/PHL/POL/PSY/SOC, ASMAJ0115/ASSPE0115)

Exclusion: WDW394H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI395H1 Independent Study (formerly WDW395H1 Criminology) [TBA]**

Independent study under the direction of a faculty member. Open only when a faculty member is willing and available to supervise. Consult the program website for additional information. Not eligible for CR/NCR option.

Prerequisite: CRI205H1, CRI210H1, CRI225H1 and 2 CRI 300 half-credit lecture/seminar courses, approval of the Program Coordinator

Exclusion: CRI395Y1, WDW395H1 Criminology

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI395Y1 Independent Study (formerly WDW395Y1 Criminology) [TBA]**

Independent study under the direction of a faculty member. Open only when a faculty member is willing and available to supervise. Consult the program website for additional information. Not eligible for CR/NCR option.

Prerequisite: CRI205H1, CRI210H1, CRI225H1 and 2 CRI 300 half-credit lecture/seminar courses, approval of the Program Coordinator

Exclusion: CRI395H1, WDW395Y1 Criminology

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI396H1 Research Participation (formerly WDW396H1 Criminology) [TBA]**

Credit course for supervised participation in a faculty research project. Offered only when a full-time faculty member from the Centre for Criminology & Sociolegal Studies is willing and available to supervise. Consult the program website for additional information. Not eligible for CR/NCR option.

Prerequisite: 9 FCEs. A CGPA of at least 3.0 is recommended. Approval of the Program Coordinator.

Exclusion: CRI397Y1, WDW396H1 Criminology

Breadth Requirement: Society and its Institutions (3)

## **CRI397Y1 Research Participation (formerly WDW397Y1 Criminology) [TBA]**

Credit course for supervised participation in a faculty research project. Offered only when a full-time faculty member from the Centre for Criminology & Sociolegal Studies is willing and available to supervise. Consult the program website for additional information. Not eligible for CR/NCR option.

Prerequisite: 9 FCEs. A CGPA of at least 3.0 is recommended. Approval of the Program Coordinator.

Exclusion: CRI396H1, WDW397Y1 Criminology

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI415H1 Politics & Crime (formerly WDW415H1) [24S]**

An advanced seminar examining the development of criminal justice and penal policies in Canada, the United States, Western Europe and Russia; the way authorities in those countries define and manage political deviance and the intrusion of politics into the administration of justice, especially in non-democratic settings.

Prerequisite: A minimum average of 77% in 4 CRI 300 half-credit lecture/seminar courses

Exclusion: CRI3120H1, WDW415H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI420H1 Current Issues in Criminal Law (formerly WDW420H1) [24S]**

20169 Topic: Security & Criminal Law

An advanced seminar exploring in detail current issues in criminal law. The objective of the course is to discuss current policy and case law developments in the criminal law, and their social, political and ethical implications. The role of Parliament and the judiciary in the development of the criminal law is considered. Topics vary from year to year.

Prerequisite: 2 CRI 300 half-credit lecture/seminar courses

Exclusion: WDW420H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI425H1 The Prosecution Process (formerly WDW425H1) [24L]**

A critical examination of the process by which certain conduct is identified, prosecuted and punished as "crime", and the process by which individuals become "criminals". The evolution of the modern prosecution system, including the exercise of prosecutorial discretion, rules of evidence, socially constructed defences, disparity in sentencing, and wrongful convictions.

Prerequisite: CRI205H1, CRI210H1, CRI225H1, CRI325H1

Exclusion: WDW320H1, WDW425H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI427H1 Organized Crime & Corruption (formerly WDW427H1) [24S]**

An advanced seminar exploring the history and characteristics of organized crime and corruption.

Prerequisite: 2 CRI 300 half-credit lecture/seminar courses

Exclusion: WDW427H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI428H1 Neighbourhoods and Crime (formerly WDW428H1) [24S]**

An advanced seminar exploring the connection between neighbourhoods and the perpetuation of poverty, social marginalization, segregation and crime.

20171: The course will include an optional Service Learning component. Check the timetable for details.

Prerequisite: 2 CRI 300 half-credit lecture/seminar courses

Exclusion: WDW428H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI429H1 Youth Culture, Racialization and Crime in the Global Context (formerly WDW429H1) [24S]**

An advanced seminar exploring youth culture and its possible connection to criminality from an international perspective.

Prerequisite: 2 CRI 300 half-credit lecture/seminar courses (0.5 may be substituted by a 300+ level HIS/PHL/PSY/SOC course)

Exclusion: WDW429H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI431H1 Mental Health, Morality and Legal Controls (formerly WDW431H1) [24S]**

A critical exploration of contemporary debates in criminology, and legal and moral philosophy concerning the diagnostic and criminal justice labeling of mental disorders such as psychopathy and paedophilia, and their representation in popular culture.

Prerequisite: 2 CRI 300 half-credit lecture/seminar courses

Exclusion: WDW431H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI435H1 Advanced Seminar in Policing (formerly WDW435H1) [24S]**

This course will explore policing in a comparative and historical context. Issues to be covered include the following: the maintenance of law and order before police forces; development of police forces in continental Europe and the English-speaking world; structure and function of national police forces around the world today; the role of political and secret police forces; and contemporary debates on the mission and regulation of the police in contemporary North America including issues such as police-community relations, private policing, and counter-terrorism.

Prerequisite: A minimum average of 77% in four CRI 300 half credit lecture/seminar courses

Exclusion: CRI3130H1, WDW435H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI445H1 International Criminal Law (formerly WDW445H1) [24S]**

An advanced seminar focusing on the legal and conceptual framework for responding to state violence and war crimes, and the challenges faced by various international legal institutions. Legal doctrines of sovereign immunity and universal jurisdiction, the history of international criminal prosecutions, and substantive international criminal law are examined.

Prerequisite: A minimum average of 77% in 4 CRI 300 half-credit lecture/seminar courses

Exclusion: CRI3340H1, WDW425H1 taken in 2008-2009; WDW445H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI450H1 Advanced Research/Reading Course (formerly WDW450H1) [TBA]**

A supervised individual or group project under the direction of a faculty member from the Centre for Criminology & Sociolegal Studies. Approval of the Undergraduate Coordinator is required. Form is available on the Program Office website. Not eligible for CR/NCR option.

Prerequisite: 3 CRI 300 half-credit lecture/seminar courses and minimum 3.0 CGPA.

Exclusion: WDW450H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI480H1 Interpersonal Violence (formerly WDW480H1) [24S]**

The meaning, purposes and sources of interpersonal violence, including an examination of debates over defining and documenting violence, and a review of the research on the relationships between illegitimate, interpersonal violence and state-approved or state-initiated violence.

Cultural, social and individual correlates of interpersonal violence; the violence of the law; and how violence is justified and denied.

Prerequisite: 2 CRI 300 half-credit lecture/seminar courses

Exclusion: WDW400H1 in 2004-2006, WDW480H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI487H1 Law, Space, and the City (formerly WDW487H1) [24S]**

An introduction to interdisciplinary studies of law and space, this course covers a broad range of topics, from work on empire and colonialism by legal historians and aboriginal scholars to studies of national spaces, urban spaces, and bodily spaces. Some background in either legal studies or cultural geography is desirable. Open to students in law, geography, anthropology, women/gender studies, and sociology, though permission of the instructor is required.

Prerequisite: 2 CRI 300 half-credit lecture/seminar courses

Exclusion: CRI3256H1 (only when offered as a joint course), WDW487H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI490H1 Advanced Topics in Criminology & Sociolegal Studies (formerly WDW490H1) [24S]**

20169 Topic: Indigenous Law

The objective of the course is to explore emerging issues in Criminology, and their social, legal, ethical and political implications. Topics vary from year to year.

Prerequisite: 2 CRI 300 half-credit lecture/seminar courses

Exclusion: WDW490H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI491H1 Advanced Topics In Criminology & Sociolegal Studies (formerly WDW491H1) [24S]**

Topics vary from year to year. The objective of the course is to explore emerging issues in Criminology, and their social, legal, ethical and political implications.

Prerequisite: 2 CRI 300 half-credit lecture/seminar courses

Exclusion: WDW491H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CRI498H1 Intensive Course [TBA]**

Content in any given year depends on instructor. Intensive courses are offered by distinguished visitors from around the world. Students in their 4th year are strongly encouraged to take advantage of this unique opportunity to study with one or more outstanding visiting international scholars that the Centre for Criminology & Sociolegal Studies brings from time to time. The intensive course usually runs for approximately 3-4 weeks.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

# Diaspora and Transnational Studies

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## Faculty

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### Professor

A. Quayson, Ph D

### Associate Professors

H.K. Kwee, MA, Ph D (University of Toronto Mississauga)  
K. MacDonald, MA, Ph D (University of Toronto Scarborough)  
K. O'Neill, MA, Ph D  
A. Shternshis, MA, Ph D

## Introduction

### Interdisciplinary program

Where is home? Need it be in one place? Is it always attached to territory? Diaspora and transnational studies examines the historical and contemporary movements of peoples and the complex problems of identity and experience to which these movements give rise as well as the creative possibilities that flow from movement. The program is comparative and interdisciplinary, drawing from the social sciences, history and the arts. Students are required to take a year long course that offers an introduction to a broad array of themes and disciplinary methodologies. The program offers a wide selection of additional courses, giving students the opportunity to learn about a range of diasporic communities as well as key debates in the field.

## Diaspora and Transnational Studies Programs

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### Diaspora & Transnational Studies Major

(7 full courses or their equivalent, including at least two 300+ series courses)

1. DTS200Y1
2. DTS300H1
3. 4.5 full-course equivalents (FCEs) from Group A and B courses, with at least two FCEs from each group. Coverage must include at least two diasporic communities or regions, to be identified in consultation with the program advisor.
4. Two DTS 400-level courses

### Diaspora & Transnational Studies Minor

(4 full courses or their equivalent, including at least one 300+ series course)

1. DTS200Y1
2. DTS300H1
3. 2 full-course equivalents (FCEs) from Group A and B courses, with at least one FCE from each group.
4. One DTS 400-level course

## Diaspora and Transnational Studies Course Groups

### Group A (Humanities) Courses

Students are responsible for checking the co- and prerequisites for all

120

courses in Groups A and B.

Note: course = one full course or the equivalent in half courses.

### Centre for Jewish Studies

CJS200H1 Introduction to Jewish Thought  
CJS201H1 Introduction to Jewish Culture  
CJS220H1 The Holocaust in Fiction  
CJS230H1 God, Nation, and Self Transformed: The Secularization of the Jewish Experience  
CJS389H1 Jewish Secularism and Messianic Thought: From Spinoza to Derrida  
CJS401H1 Community & Identity

### East-Asian Studies

EAS105H1 Modern East-Asian History  
EAS247H1 History of Capitalism in Modern Japan  
EAS251H1 Aesthetics and Politics in 20th Century Korea  
EAS271H1 20th Century Korean History  
EAS289Y1 Environment and East Asia  
EAS314H1 Culture and World After Hiroshima and Nagasaki  
EAS315H1 The "Yellow Peril": Past & Present  
EAS333H1 Modernism and Colonial Korea  
EAS374H1 Modern Japan and Colonialism  
EAS420H1 Travels, Travelers and Travel Accounts in Asia  
EAS439H1 The Global Bildungsroman: Narratives of Development, Time and Colonialism  
EAS474H1 U.S. & Canada's Wars in Asia  
EAS484Y1 The Japanese Empire  
EAS497H1 Beyond Imperialism

### English

ENG270Y1 Colonial and Postcolonial Writing  
ENG285H1 The English Language in the World  
ENG359H1 African Canadian Literature  
ENG366H1 Caribbean Literature  
ENG367H1 African Literatures in English  
ENG368H1 Asian North American Literature  
ENG369H1 South Asian Literatures in English  
ENG370H1 Postcolonial and Transnational Discourses

### Finnish

FIN320H1 The Finnish Canadian Immigrant Experience

### French

FRE438H1 Advanced Topics in Francophone Literatures  
FRE332H1 Francophone Literatures  
FRE334H1 Francophone Cinema  
FRE336H1 Postcolonialism: Francophone Literatures

### German

GER361H1 Yiddish Literature and Culture in Translation  
GER362H1 Jewish Culture in the Soviet Union  
GER367H1 Topics in Yiddish or German Jewish Literature and Culture

### History

HIS106Y1 Natives, Settlers and Slaves: Colonizing the Americas  
HIS202H1 Gender, Race and Science  
HIS208Y1 History of the Jewish People  
HIS263Y1 Introduction to Canadian History  
HIS282Y1 History of South Asia  
HIS283Y1 Southeast Asian Crossroads  
HIS284Y1 Viet Nam: Crossroads of Asia  
HIS291H1 Latin America: The Colonial Period  
HIS294Y1 Caribbean History & Culture: Indigenous Era to 1886  
HIS295Y1 African History and Historical Methodology



HIS303H1 The Mediterranean, 600-1300: Crusade, Colonialism, Diaspora  
HIS305H1 Popular Culture and Politics in the Modern Caribbean  
HIS312H1 Immigration to Canada  
HIS330H1 Germany from Frederick the Great to the First World War  
HIS336H1 Medieval Spain  
HIS338H1 The Holocaust, to 1942  
HIS346H1 Rice and Spice in Southeast Asia: A Regional Food History  
HIS356Y1 Zionism and Israel  
HIS359H1 Regional Politics and Radical Movements in the 20th Century Caribbean  
HIS360H1 African-Canadian History, 1606-Present  
HIS361H1 The Holocaust, from 1942  
HIS366H1 Aboriginal Peoples of the Great Lakes from 1830 to the Present  
HIS369H1 Aboriginal Peoples of the Great Lakes from 1500 to 1830  
HIS381H1 African Historiography: Knowledge and Identity  
HIS382H1 African Historiography: Time and Space  
HIS384H1 Colonial Canada  
JHA384H1 Japan in the World, mid-16th to mid-20th Century  
HIS385H1 The History of Hong Kong  
HIS391Y1 Black Freedom in the Atlantic World  
HIS392Y1 Screening Freedom  
HIS402H1 Canada and Decolonization  
HIS403H1 Jews and Christians in Medieval and Renaissance Europe  
HIS412Y1 Crusades, Conversions and Colonization in the Medieval Baltic  
HIS413H1 Slave Emancipation in the Atlantic World  
HIS415Y1 Nationalism and Memory in Modern Europe  
HIS429H1 Canada and Empire in the Twentieth Century  
HIS431H1 Gender and the Holocaust  
HIS433H1 Polish Jews Since the Partition of Poland  
HIS439H1 Russia's Empire  
HIS444H1 Topics in Jewish History  
HIS445H1 Nationalism  
HIS446H1 Gender and Slavery in the Atlantic World  
HIS448H1 Gender in East and Southeast Asia  
HIS467H1 French Colonial Indochina: History, Cultures, Texts, Film  
HIS468H1 The Southern Indian Ocean  
HIS472H1 Indigenous-Newcomer Relations in Canadian History  
HIS474H1 Emancipate from Mental Slavery? Historical Narratives of Caribbean Decolonization  
HIS480H1 Modernity and its Others: History and Postcolonial Critique  
HIS494H1 Gandhi's Global Conversations

## **Innis College –Urban Studies**

JGI216H1 Urbanization and Global Change  
INI332H1 Cities and Mega-events: Opportunities and Challenges

## **Italian Studies**

ITA233H1 Italian-Canadian Literature  
ITA249H1 Italians in Asia  
ITA345H1 Cinema of the Italian Diasporas

## **Near and Middle Eastern Civilizations**

NMC252H1 Hebrew Bible and Ancient Jewish Literature in Translation  
NMC351H1 Dead Sea Scrolls  
NMC274Y1 Steppe Frontier in Islamic History  
NMC275H1 Muslims and Jews: The Medieval Encounter  
NMC284H1 Judaism And Feminism  
NMC370Y1 Ancient Israel  
NMC384H1 Life Cycle and Personal Status in Judaism  
NMC473H1 Intellectuals of the Modern Arab World  
NMC475H1 Orientalism and Occidentalism

## **New College - African Studies**

NEW250Y1 Africa in the 21st Century: Challenges and Opportunities  
NEW351Y1 African Systems of Thought  
JQR360H1 The Canadian Census: Populations, Migrations and Demographics

## **New College - Caribbean Studies**

NEW224Y1 Caribbean Thought  
NEW324H1 The Contemporary Caribbean in a Global Context  
NEW325H1 Caribbean Women Thinkers  
NEW328H1 Caribbean Indentureship and its Legacies

## **New College –Equity Studies**

NEW341H1 Theories and Histories in Equity Studies  
NEW428H1 Caribbean Migrations and Diasporas  
NEW449H1 Contemporary Theories in Disability Studies

## **Portuguese**

PR252H1 Portuguese Island Culture  
PR255H1 The Brazilian Puzzle: Culture and Identity

## **Religion**

RLG202Y1 The Jewish Religious Tradition  
RLG220H1 Philosophical Responses to the Holocaust  
RLG221H1 Religious Ethics: the Jewish Tradition  
RLG243H1 Diasporic Religions  
RLG280Y1 World Religions: A Comparative Study  
RLG319H1 Reconception of Biblical Figures in Early Jewish and Christian Sources  
RLG326H1 Judaism and the Roots of Christianity  
RLG341H1 Dreaming of Zion: Exile and Return in Jewish Thought  
RLG345H1 Social Ecology and Judaism  
RLG346H1 Time and Place in Judaism  
RLG434H1 Modern Jewish Thought  
RLG453H1 Christianity and Judaism in Colonial Context

## **Slavic Languages and Literature**

SLA202H1 Jewish Communities in Slavic Countries  
SLA222H1 Roma (Gypsies) and Slavs  
SLA238H1 Literature of the Ukrainian-Canadian Experience  
SLA302H1 The Imaginary Jew  
SLA303H1 Literary Imagination and Jewish Identity in Modern Europe  
SLA312H1 Nabokov  
SLA318H1 City of Saints and Sinners: Kyiv through the Centuries  
SLA325H1 Magic Prague  
SLA357H1 Yugoslavia's Literary Émigrés and Exiles  
SLA380H1 Language, Politics and Identity

## **South Asian Studies**

SAS114H1 Introduction to South Asian Studies  
SAS212Y1 Introduction to Hindi  
SAS216H1 South Asia: Perspectives on Politics and Society  
SAS318H1 Colonialism and Tradition  
SAS413H1 Asia and Canada

## **St. Michael's College**

SMC413H1 The Irish and Scots in Canada  
SMC416H1 Irish Nationalism in Canada and the United States

## **Spanish**

SPA258H1 Introduction to Hispanic Literary Studies  
SPA259H1 Introduction to Hispanic Cultural Studies  
SPA375H1 Latin American Cinema  
SPA385H1 Literature and Social Change in Spanish America  
SPA467H1 Topics in Spanish-American Culture  
SPA471H1 The Historical Novel in Spanish America  
SPA480H1 Theories of Culture in Latin America

# Diaspora and Transnational Studies

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SPA487H1 The Culture of Revolution  
SPA488H1 Central America Postwar Narrative

## University College –Canadian Studies

UNI101Y1 Citizenship in the Canadian City  
UNI103Y1 Gradients of Health in an Urban Mosaic

## Victoria College

VIC350Y1 Creative Writing: A Multicultural Approach

## Women and Gender Studies

WGS369H1 Studies in Post-Colonialism  
WGS420H1 Asian/North American Feminist Issues  
WGS426H1 Gender and Globalization: Transnational Perspectives

## Group B (Social Sciences) courses

### Anthropology

ANT204H1 Anthropology of the Contemporary World  
ANT318H1 The Preindustrial City and Urban Social Theory  
ANT324H1 Tourism & Globalization  
ANT340H1 Anthropology of Latin America  
ANT341H1 China in Transition  
ANT345H1 Global Health: Anthropological Perspectives  
ANT346H1 Anthropology of Food  
ANT347Y1 Metropolis: Global Cities  
ANT348H1 Anthropology of Health  
ANT349H1 Anthropology and New Technologies  
ANT351H1 Contested Environments  
JAL355H1 Language and Gender  
ANT356H1 Anthropology of Religion  
ANT358H1 Medical Anthropology and Social Justice  
ANT359H1 Difference in Culture and Society  
ANT364H1 Environment & Globalization (formerly ANT364Y1)  
ANT366H1 Anthropology of Social Movements: Theory and Method  
ANT370H1 Introduction to Social Anthropological Theory  
ANT372H1 Cultural Property  
ANT426H1 Western Views of the Non-West  
ANT427H1 Language, Ideology, & Political Economy  
ANT440H1 Society in Transition  
ANT450H1 Nature, Culture and the City  
ANT452H1 Anthropology & Human Rights  
ANT456H1 Queer Ethnography  
ANT458H1 Settler-Colonialism and Indigenous Health in Canada  
ANT460H1 Global Perspectives on Womens Health  
ANT472H1 Japan in Global Context: Anthropological Perspectives (formerly ANT354Y1 and ANT354H1)  
ANT475H1 Reading Ethnography: Contemporary Ethnographies  
ANT477H1 Transnational Korea in and outside the Peninsula (formerly ANT377H1)

### Geography

GGR112H1 Geographies of Globalization, Development and Inequality  
GGR216H1 Global Cities  
JGI216H1 Globalization & Urban Change  
GGR241H1 Historical Geographies of Urban Exclusion and Segregation  
GGR246H1 Geography of Canada  
GGR320H1 Geographies of Transnationalism, Migration, and Gender  
JGE321H1 Multicultural perspectives on Environmental Management  
GGR326H1 Remaking the Global Economy  
GGR336H1 Urban Historical Geography of North America  
GGR339H1 Urban Geography, Planning and Political Processes  
GGR341H1 Changing Geography of Latin America  
GGR342H1 The Changing Geography of Southeast Asia

GGR343H1 The Changing Geography of China  
JGI346H1 The Urban Planning Process  
GGR360H1 Culture, History, and Landscape  
GGR361H1 Understanding the Urban Landscape  
GGR363H1 Critical Geographies: An Introduction to Radical Ideas on Space, Society and Culture  
GGR430H1 Geographies of Markets  
GGR452H1 Space, Power, Geography: Understanding Spatiality  
GGR457H1 The Post-War Suburbs  
NUS251H0 Southeast Asia  
NUS252H0 Rice, Spice & Trees: Peasants in Southeast Asia  
NUS253H0 Economy and Space  
NUS254H0 Geographies of Social Life  
NUS255H0 Cities and Urgan Life in Southeast Asia  
NUS256H0 Changing Landscape of Singapore  
NUS351Y0 Field Studies in Geography: SE Asia  
NUS352H0 East Asia  
NUS353H0 Globalization and Asian Cities

## New College –Equity Studies

NEW342H1 Theory and Praxis in Food Security

## New College – Caribbean Studies

JLN327H1 Regional Perspectives on the Hispanic Caribbean

## Political Science

POL201Y1 Politics of Development: Issues and Controversies  
POL207Y1 Politics in Europe  
POL215Y1 Politics and Transformation of Asia-Pacific  
POL224Y1 Canada in Comparative Perspective  
POL301Y1 Government and Politics in Africa  
POL305Y1 Politics and Society in Latin America  
POL321Y1 Ethnic Politics in Comparative Perspective  
POL324H1 Politics of Europe and the European Union  
POL343Y1 Politics of Global Governance  
POL345Y1 Becoming Israel: War, Peace, and the Politics of Israel's Identity  
JPR364Y1 Religion and Politics  
POL368Y0 Returning to Europe: Bringing South East Europe Into the European Union  
JPR374H1 Religion and Power in the Postcolony  
POL383H1 Jews and Power  
POL409H1 Political Economy of Technology: From the Auto-Industrial to the Information Age  
JPA410H1 Democracy and Identity in Asia  
JPA411H1 The Political Economy of Global Taiwan  
POL413H1 Global Environmental Politics  
POL417Y1 The Third World in International Politics  
JPR419H1 Secularism and Religion  
POL421H1 Maimonides and His Modern Interpreters  
POL424H1 Globalization and Indigenous Politics  
POL429H1 Nationalism, Ethnic Conflict and Democracy  
POL430Y1 Comparative Studies in Jewish and non-Jewish Political Thought  
POL442H1 Topics in Latin American Politics  
JPF455Y1 Cities  
POL467H1 The Politics of Immigration and Multiculturalism in Canada  
POL480H1 Pluralism, Justice, and Equality: Political Imaginaries of Global Justice and Global Democracy

## Sociology

SOC210H1 Ethnicity in Social Organization  
SOC214H1 Family Patterns  
SOC218H1 Asian Communities in Canada  
SOC220H1 Social Inequality in Canada  
SOC244H1 Sociology of Health Care

SOC246H1 The Sociology of Aging  
SOC250Y1 Sociology of Religion  
SOC256H1 Lives and Societies  
SOC279H1 Contentious Politics  
SOC281H1 Culture and Inequality  
SOC301Y1 Theories of Inequality  
SOC304H1 Status Attainment  
SOC307Y1 International Migration: Trends and Issues  
SOC314H1 Family Relations  
SOC315H1 Domestic Violence  
SOC336H1 Immigration and Race Relations in Canada  
SOC355H1 Introduction to Social Network Analysis  
SOC358H1 Cities and Social Pathology  
SOC364H1 Urban Health  
SOC367H1 Race, Class, and Gender  
SOC381Y1 Culture and Social Structure  
SOC382H1 Production and Consumption of Culture  
SOC383H1 The Sociology of Women and International Migration  
SOC388H1 Sociology of Everyday Life  
SOC439H1 Immigration and Employment  
SOC465H1 Exploring the Complexities of Gender  
SOC479H1 Social Movements  
SOC481H1 Culture and Social Networks  
SOC483Y1 Methods and Models of Demography  
SOC484H1 Sociology of Immigrant Offspring

## University College –Canadian Studies

UNI101Y1 Citizenship in the Canadian City  
UNI103Y1 Gradients of Health in an Urban Mosaic  
UNI268H1 Canada and Globalization

## Victoria College

VIC183H1 Individuals and the Public Sphere: Shaping Memory  
VIC184H1 Individuals and the Public Sphere: History, Historiography and Making Cultural Memory  
VIC304H1 Praxis and Performance

## Women and Gender Studies

WGS450H1 Black Diasporic Feminisms: Modernity, Freedom, Citizenship

## University of Toronto Scarborough courses that can be applied to the program

Please visit [http://www.utsc.utoronto.ca/~socsci/dt\\_studies.html](http://www.utsc.utoronto.ca/~socsci/dt_studies.html)

## University of Toronto Mississauga courses that can be applied to the program

Please visit <http://www.utm.utoronto.ca/historical-studies/students/programs/transnational-diaspora-studies>

## Diaspora and Transnational Studies Courses

### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### DTS200Y1 Introduction to Diaspora and Transnational Studies I (formerly DTS201H1, 202H1) [48L]

What is the relationship between place and belonging, between territory and memory? How have the experiences of migration and dislocation challenged the modern assumption that the nation-state should be the limit of identification? What effect has the emergence of new media of communication had upon the coherence of cultural and political boundaries? All of these questions and many more form part of the subject matter of Diaspora and Transnational Studies. This introductory course ex-amines the historical and contemporary movements of peoples and the complex issues of identity and experience to which these processes give rise as well as the creative possibilities that flow from movement and being moved. The area of study is comparative and interdisciplinary, drawing from the social sciences, history, the arts and humanities. Accordingly, this course provides the background to the subject area from diverse perspectives and introduces students to a range of key debates in the field, with particular attention to questions of history, globalization, cultural production and the creative imagination.

Exclusion: DTS201H1, DTS202H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

### DTS300H1 Research Design for Diaspora and Transnational Studies [24L]

Focuses on research design and training in methods from history, geography, anthropology, literary and cultural studies, and other disciplines appropriate to Diaspora and Transnational Studies. Prepares students to undertake primary research required in senior seminars.

Prerequisite: DTS200Y1 or CJS200H1 or CJS201H1 or permission of course instructor

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### JQR360H1 The Canadian Census: Populations, Migrations and Demographics [24L/12T]

Examines the Canadian population census through the experience of diasporic groups in Canada. Approaches the census as a statistical tool, an historical source and an ideological project of citizenship and nationalism. Uses census data to explore mathematical and statistical concepts and to integrate numerical ways of thinking with qualitative analysis. (Jointly sponsored by African Studies, Diaspora and Transnational Studies, Caribbean Studies, Equity Studies and Latin American Studies).

Prerequisite: DTS200Y1/HIS230H1/HIS231H1/LAS200H1/LAS201H1/N  
EW120Y1/NEW150Y1/NEW220H1/NEW221H1/NEW224Y1/NEW24  
0Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### DTS390H1 Independent Study [TBA]

A scholarly project chosen by the student, approved by the Department, and supervised by one of its instructors. Consult with the Diaspora and Transnational Studies Program Office for more information. Not eligible for CR/NCR option.

Prerequisite: DTS200Y1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

# Diaspora and Transnational Studies

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## **DTS390Y1 Independent Study [TBA]**

A scholarly project chosen by the student, approved by the Department, and supervised by one of its instructors. Consult with the Diaspora and Transnational Studies Program Office for more information. Not eligible for CR/NCR option.

Prerequisite: DTS200Y1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

## **DTS401H1 Advanced Topics in Diaspora and Transnationalism [24S]**

An in-depth investigation of topics in Diaspora and Transnationalism. Content in any given year depends on instructor. Refer to the Centre for Diaspora and Transnational Studies website

(<http://www.cdts.utoronto.ca/undergraduate.html>) for more information.

Prerequisite: DTS200Y1 or equivalent and a minimum of 15 FCEs

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **DTS402H1 Advanced Topics in Diaspora and Transnationalism [24S]**

An in-depth investigation of topics in Diaspora and Transnationalism. Content in any given year depends on instructor. Refer to the Centre for Diaspora and Transnational Studies website

(<http://www.cdts.utoronto.ca/undergraduate.html>) for more information.

Prerequisite: DTS200Y1 or equivalent and a minimum of 15 FCEs

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **DTS403H1 Advanced Topics in Diaspora and Transnationalism [24S]**

An in-depth investigation of topics in Diaspora and Transnationalism. Content in any given year depends on instructor. Refer to the Centre for Diaspora and Transnational Studies website

(<http://www.cdts.utoronto.ca/undergraduate.html>) for more information.

Prerequisite: DTS200Y1 or equivalent and a minimum of 15 FCEs

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **DTS404H1 Advanced Topics in Diaspora and Transnationalism [24S]**

An in-depth investigation of topics in Diaspora and

Transnationalism. Content in any given year depends on instructor.

Prerequisite: DTS200Y1 or equivalent, or CJS200H1 or CJS201H1 and a minimum of 15 FCEs

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **DTS405H1 Advanced Topics in Diaspora and Transnationalism [24S]**

An in-depth investigation of topics in Diaspora and Transnationalism.

Content in any given year depends on instructor. Refer to the Centre for Diaspora and Transnational Studies website

(<http://www.cdts.utoronto.ca/undergraduate.html>) for more information.

Prerequisite: DTS200Y1 or equivalent and a minimum of 15 FCEs

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **DTS406H1 Advanced Topics in Diaspora and Transnationalism [24S]**

An in-depth investigation of topics in Diaspora and Transnationalism. Content in any given year depends on instructor.

Prerequisite: DTS200Y1 or equivalent and a minimum of 15 FCEs

Recommended Preparation: Students should be in their final academic year of study.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## Faculty

### Professor and Director

S. Johnson, MA, Ph D

### Professors

A. Ackerman, MA, Ph D

J. Astington, MA, Ph D

P. Kleber, MA, Ph D

### Associate Professors

A. Budde, MA, Ph D - Associate Director (Graduate)

T. N. Cesare Schotzko, MA, Ph D - Associate Director  
(Undergraduate)

N. Copeland, MA, Ph D (University of Toronto Mississauga)

P. Sperdakos, MA, Ph D (University of Toronto Scarborough)

### Assistant Professors

B. Freeman, MA, Ph D (University of Toronto Scarborough)

X. Fan, MA, Ph D

### Senior Lecturer

K. Gass, BA

### Lecturer

J. Thompson

## Introduction

Our undergraduate program at the Centre for Drama, Theatre, and Performance Studies offers a unique set of critical and artistic skills through which students attending the University of Toronto may engage the broader social, political, and intellectual facets of a humanities curriculum. Undergraduate Drama (Specialist, Major, Minor) at the Drama Centre combines rich and rigorous scholarship with high standards of practical theatre training through courses in dramatic literature, dramaturgy, theatre and performance theory and history, as well as introductory and advanced studio courses in acting, production, design, directing, and playwriting. Students graduating from our programs have combined honours majors in such areas as Anthropology, Canadian Studies, Cinema Studies, Classics, Commerce, Art, History, Human Biology, Political Science, Psychology, Religion, Sexual Diversity Studies, Sociology, and Women and Gender Studies.

The Drama Centre's undergraduate programs are housed in the Union Building at University College, which includes the Helen Gardiner Phelan Playhouse—one of three theatres and a number of related performance and rehearsal venues available to our students and faculty. More details, including application and ballot forms, can be found on the website at: <http://dramacentre.utoronto.ca/>.

The Centre's Associate Director (Undergraduate) T. Nikki Cesare Schotzko and the Undergraduate Administrative Coordinator Colleen Osborn are also available for consultation. For enquiries or an appointment call the Undergraduate Drama Coordinator at 416-978-8099 or send an e-mail to [c.osborn@utoronto.ca](mailto:c.osborn@utoronto.ca).

Please note: Certain courses are restricted to students in a Drama Specialist, Major or Minor program; others are open to all students of the University. Several courses require audition, interview or the submission of a portfolio. See below for details.

## Drama, Theatre and Performance Studies (Centre for) Programs

General Enquiries: Room 300, 79 St. George Street (416-978-8099)

Enrolment in the Specialist and Major programs is, with few exceptions, contingent upon a personal interview, audition and/or portfolio submission. Students will be admitted to the Major only after they have been admitted to either DRM200Y1, DRM228H1 or DRM254Y1, and to the Specialist only after completing 8.0 full-course equivalents.

Auditions and interviews are held in April. Applications are due March 10th. There is a second round in August for applications to DRM200Y1 and DRM228H1. Register for a Drama Application:

<https://drama-apply.chass.utoronto.ca/login>

Enrolment in the Minor program is unrestricted. Priority is reserved for Drama Majors and Specialists for studio courses (Group B).

### Drama Specialist

Enrolment in the Specialist and Major programs is limited and selection is normally made after a personal interview, audition and/or portfolio submission. Students will be admitted to the Major only after they have been admitted to either DRM200Y1, DRM228H1 or DRM254Y1, and to the Specialist only after completing 8.0 full-course equivalents.

12 full courses or their equivalent (FCE), including at least 4.0 300+ series with at least 1.0 FCE at the 400 level.

1. From Foundations 1 FCE: DRM100Y1/DRM101Y1/UNI102Y1
2. From Group A: DRM220Y1/DRM230Y1 and 3 FCE
3. From Group B: 2 FCE (entry points: DRM200Y1/DRM254Y1/DRM228H1)
4. From Group A, B, C or other DRM: 5 FCE to make up the total of 12 full-course equivalents

Note: Students taking Group B Studio courses must take an academic co-requisite from Foundations or a course from Group A. In 2016/17 1 FCE from Group C can count towards Group A. Consult the undergraduate drama office.

### Drama Major

Enrolment in the Major program is limited and selection is normally made after a personal interview, audition and/or portfolio submission. Students will be admitted to the Major only after they have been admitted to either DRM200Y1, DRM228H1 or DRM254Y1.

8 full courses or their equivalent (FCE), including at least 2 FCE at the 300+ series courses with at least 0.5 FCE at the 400 level.

1. From Foundations 1 FCE: DRM100Y1/DRM101Y1/UNI102Y1
2. From Group A: DRM220Y1/DRM230Y1 and 2 FCE
3. From Group B: 2 FCE (entry points: DRM200Y1/DRM254Y1/DRM228H1)
4. From Group A, B, C or other DRM: 2 FCE to make up the total of 8 full-course equivalents

Note: Students taking Group B Studio courses must take an academic co-requisite from Foundations or a course from Group A. In 2016/17 1.0 FCE from Group C can count towards Group A. Consult the undergraduate drama office.

# Drama, Theatre and Performance Studies (Centre for)

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## Drama Minor

4 full courses or their equivalent (FCE) including at least 1 FCE at the 300+ level.

1. From Foundations 1 FCE: DRM100Y1/DRM101Y1/UNI102Y1
2. From Group A: DRM220Y1/DRM230Y1 and 1 FCE
3. From Groups A, B, C or other DRM (when eligible): 1 FCE to make up the total of 4 full-course equivalents

Note: Priority is reserved for Drama Majors and Specialists for Group B Studio courses. In 2016/17 1 FCE from Group C can count towards Group A. Consult the undergraduate drama office.

## Drama Course Groups

### Foundations:

DRM100Y1, DRM101Y1; UNI102Y1

### Group A: Drama, Theatre and Performance Studies

ABS341H1; DRM220Y1, DRM230Y1, DRM303H1, DRM331H1, DRM342H1, DRM362H1, DRM366H1, DRM385H1, DRM385Y1, DRM386H1, DRM388H1, DRM485Y1, DRM487H1, DRM488H1; JDC400Y1, JDC410H1

### Group B: Studio

DRM200Y1, DRM201H1, DRM211H1, DRM228H1, DRM254Y1, DRM300Y1, DRM301H1, DRM302H1, DRM311H1, DRM328H1, DRM354Y1, DRM368H1, DRM375H1, DRM375Y1, DRM376H1, DRM377H1, DRM378H1, DRM386H1, DRM400Y1, DRM401H1, DRM402H1, DRM403Y1, DRM411H1, DRM428H1, DRM454H1, DRM485Y1, DRM486H1

Note: Students taking a studio course (Group B) are required to take an academic co-requisite from Foundations or any course from Group A.

### Group C: Related Courses in Other Departments

ABS300Y1, ABS302H1, ABS341H1; CLA382H1, CLA383H1; ENG220Y1, ENG330H1, ENG331H1, ENG335H1, ENG336H1, ENG337H1, ENG340H1, ENG341H1, ENG352H1; GER240H1; GRK351H1, GRK352H1; ITA315Y1, ITA390H1; MUS206H1, MUS209H1, MUS212H1, MUS215H1, MUS340H1; SLA267H1, SLA342H1, SLA367H1, SLA405H1, SLA406H1, SLA475H1; VIC304H1, VIC347H1

Note: Many Group C courses have pre-requisites. Check with the designated department prior to enrollment.

### Special Topics & Independent Studies

DRM286H1, DRM299Y1, DRM387H1, DRM390Y1/DRM391H1, DRM399Y1, DRM485H1, DRM490Y1/DRM491H1

## Drama, Theatre and Performance Studies (Centre for) Courses

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### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### DRM100Y1 Introduction to Acting and Performance [48L/24T]

An introduction to performance practice with an emphasis on the historical development and contemporary work of playwrights, actors, and directors. Key theorists, practitioners, and schools will be introduced and students will analyze them through rigorous hands-on, experiential work. This course combines weekly two-hour lectures with one-hour tutorials.

Exclusion: DRM101Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### DRM101Y1 Introduction to Drama, Theatre and Performance Studies [48L/24T]

A broad introduction to the canon of Western drama, the principles of theatre history as well as key artistic movements and notions of arts criticism through a range of dramatic texts, artistic movements, and performance practices, with particular reference to the relationship between dramatic texts and their larger contexts. This course combines weekly two-hour lectures with one-hour tutorials.

Exclusion: DRM100Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### DRM200Y1 Performance I [144P]

Emphasis is initially placed on ensemble, non-verbal, and improvisational work. Students proceed to the application of their acquired skills to scripted material. Students may apply in their first or second year of University. The Application Deadline is March 10th for the first round of auditions; August 3rd for the second round. See Audition [Guidelines](#) for information on how to apply.

Prerequisite: An audition in April or in August. Students can apply directly out of high school.

Corequisite: DRM101Y1/UNI102Y1 or DRM220Y1/DRM230Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### DRM201H1 Voice for the Actor I [2T/48P]

An introduction to the dynamics of voice and effective communication as they relate to the development of the actor. Work brings theory into physical practice. Not offered in 2016/17.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### DRM211H1 Movement for the Actor I [2T/48P]

An introduction to movement for the actor focusing on body awareness and skill development, ensemble sensibility and stagecraft as it pertains to actor training. Not offered in 2016/17.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### DRM220Y1 Comparative Theatre Histories [72L]

An intensive study of a range of historical and cross-cultural dramatic and performance texts and practices that contextualize theatre and performance more broadly within the social, political, and cultural parameters in which they take place. Theatre history is necessarily inextricable from world history and this course considers the many ways theatre and performance interact with the globalized world.

Prerequisite: DRM100Y1/DRM101Y1/UNI102Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM228H1 Playwriting I [36L]**

A hands-on study of the craft of dramatic writing. The class examines the basic elements of playwriting such as plot, structure, theme, character, dialogue, setting, with an emphasis on story-making. Attention is given to the development of students own work through written assignments and in-class exercises. See Portfolio Guidelines for information on how to apply.

Prerequisite: A portfolio of writing samples due on August 3rd. Students can apply directly out of high school.

Corequisite: DRM100Y1/DRM101Y1/UNI102Y1 or DRM220Y1/DRM230Y1

Recommended Preparation: DRM100Y1/DRM101Y1/UNI102Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM230Y1 Concepts of Twentieth-Century Theatre [72L]**

An introduction to the shifting landscapes of European theatre theory, history and practice in the late 19th century and their repercussions throughout the 20th and 21st centuries. The course focuses on the developments of modern and postdramatic theatre. It also includes critical analysis of the annual Drama Mainstage production and current Canadian theatre.

Prerequisite: DRM100Y1/DRM101Y1/UNI102Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM254Y1 Production and Design I [72L/72P]**

A practical introduction to various areas of theatre production and design. Working extensively in the Helen Gardiner Phelan Playhouse, the students form the core of the production team for Drama productions. The Application Deadline is March 10th for an interview in April.

Prerequisite: An interview in April or in August. Students can apply directly out of high school.

Corequisite: DRM100Y1/DRM101Y1/UNI102Y1 or DRM220Y1/DRM230Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM366H1 Canadian Theatre [36L]**

Since the 1960s, actors, directors, and writers have been architects of Canadian identity. This course will study the history of Canadian theatre, with an emphasis on how Canadian playwrights and creators have been engaged with social and political issues. A survey of post-colonial theatre, cultural diversity, and gender politics on the Canadian stage.

Prerequisite: DRM100Y1/DRM101Y1/UNI102Y1 or a Canadian Studies Major/Specialist

Recommended Preparation: For Drama Majors and Specialists: DRM220Y1/DRM230Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM286H1 Special Topics in Drama: Introduction to Communications [TBA]**

Effective communication is a pivotal skill in work and other environments where public speaking, persuasive discourse, and personal presence are key to success. This introductory course is suited to students in professional programs or for those who would like to learn a full range of communication skills.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM299Y1 Research Opportunity Program [TBA]**

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Prerequisite: Permission from the instructor.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM300Y1 Performance II [144P]**

Building upon the work of DRM200Y1, students concentrate on scene study, styles of acting, and the development of ensemble work with an intensive focus on voice and movement practices. The Application Deadline is March 10th.

Prerequisite: DRM100Y1/DRM101Y1/UNI102Y1; DRM200Y1, DRM201H1, DRM211H1; and permission of the Centre. See online application for details.

Corequisite: DRM220Y1/DRM230Y1 or any course from Group A; 1 FCE from DRM301H1/DRM311H1/DRM375H1/DRM376H1/DRM377H1/DRM378H1.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM301H1 Concepts of Voice and Movement [3T/48P]**

An experiential studio course that introduces and develops physical skills in contemporary theatre practice with particular attention on the relationship between voice and movement via the voice, breath, body, movement, emotion, character, text and personal imagery. Not offered in 2016/17.

Prerequisite: DRM100Y1/DRM101Y1/UNI102Y1 and 1 FCE from Group B

Recommended Preparation: DRM220Y1/DRM230Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM302H1 Directing I [36P]**

An introduction to major concepts and artistic practices in directing. The course focuses on different styles, ideas, and goals of theatre directors in their relations to actors, audiences, and broad cultural and political contexts. A major component will be the practical application of basic directing techniques.

Prerequisite: DRM100Y1/DRM101Y1/UNI102Y1

Corequisite: DRM220Y1/DRM230Y1 or any course from Group A.

Recommended Preparation: DRM220Y1/DRM230Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM303H1 Theories of Acting**

An examination of the major writers who have influenced the art of the actor in the twentieth century, with a focus on theories of actor training and the preparation for performance, the ways in which audiences assess acting as an art form, and the rise of the actor as an artist of equal status in North American and European theatre. Writers include Konstantin Stanislavsky, his followers and interpreters in America (including the Actors Studio and Lee Strasberg), along with alternatives to his 'System,' including Expressionism, Epic Theatre and the teachings of Michael Chekhov.

Prerequisite: DRM100Y1/DRM101Y1/UNI102Y1 or any 4.0 FCE

Exclusion: DRM388H1

Recommended Preparation: DRM220Y1/DRM230Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

# Drama, Theatre and Performance Studies (Centre for)

## **DRM311H1 Movement for the Actor II [3T/48P]**

A continuation of previous training to develop a more expressive body and increase devising skills through a more concentrated study of the relationship between objective, impulse and action using the principles of Viewpoints, Laban and the Margolis Method. Not offered in 2016/17.

Prerequisite: DRM100Y1/DRM101Y1/UNI102Y1, DRM200Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM328H1 Playwriting II [36L]**

A continuation of DRM228H1, concentrating on the in-depth knowledge and practice of playwriting with an emphasis on style and technique of writing for the stage. Students develop their own work through written assignments, in-class exercises, and the final public presentation. See Portfolio Guidelines for information on how to apply.

Prerequisite: DRM100Y1/DRM101Y1/UNI102Y1; DRM228H1; and permission of the Centre. See online application for details.

Recommended Preparation: DRM220Y1/DRM230Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM331H1 Dramaturgy [36L]**

Study of dramaturgical theory and of interpretations of the dramaturge's function in the theatre. Using examples from Canada and beyond, students apply this knowledge to theatre practice.

Prerequisite: DRM100Y1/DRM101Y1/UNI102Y1

Recommended Preparation: DRM220Y1/DRM230Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM342H1 The Contemporary Avant-Garde [36L]**

The turn of the 21st century advanced a social, political, and aesthetic shift reminiscent of that during the post-Industrial Revolution/pre-WWII epoch that launched the historical avant-garde. This class, while exploring significant artistic and sociopolitical developments of the historical avant-garde, will primarily concentrate on the experimental theatre and performance of the past 15 years—a contemporary avant-garde that “hinge[s] on a networked spatiality, rather than on linear teleology” and reflects a growing collective investment on part of audiences and artists alike in the work of a work of art.

Prerequisite: DRM100Y1/DRM101Y1/UNI102Y1 or any 4.0 FCE

Recommended Preparation: DRM220Y1/DRM230Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM354Y1 Production and Design II [48L/24P]**

Building on the work of DRM254Y1, students will continue their study of technical skills including lighting, sound, projections, stage management, and set construction, while also engaged in a detailed exploration of historical and contemporary theatrical stage and costume design.

Working extensively in the Helen Gardiner Phelan Playhouse, the students form the core of the production team for Drama productions. The Application Deadline is March 10th.

Prerequisite: DRM100Y1/DRM101Y1/UNI102Y1, DRM254Y1, and permission of the Centre. See online application for details.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM362H1 Theatre and the World. Innovation and Experimentation [36L]**

An intercultural, post-colonial and comparative analysis of innovative processes in the national and cross-cultural theatre around the world.

Focusing on selected periods and cultures, the course explores the cultural backgrounds of key turning points in pre-modern and modern theatre and their impact on the developments of the post-modern theatre in a globalizing world. Not offered in 2016/17.

Prerequisite: DRM100Y1/DRM101Y1/UNI102Y1 or any 4.0 FCE

Recommended Preparation: DRM220Y1/DRM230Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM368H1 Collective Creations [36L]**

A hands-on exploration of fundamental building blocks of collective creation, or ‘devised theatre,’ examining techniques and exercises by its leading practitioners. Combining research, improvisation and design elements, students define a topic of investigation and shape the resulting discoveries into a workshop presentation at the end of the course. Not offered in 2016/17.

Prerequisite: DRM100Y1/DRM101Y1/UNI102Y1 or any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM375Y1 Special Topics in Studio Practice [72P]**

An in-depth examination of selected performance disciplines, styles, and genres within their historical and critical context. Content may vary depending on instructor. Please consult the Undergraduate Drama office or check the website for more details.

Prerequisite: DRM100Y1/DRM101Y1/UNI102Y1, DRM200Y1. Additional prerequisites may vary from year to year.

Corequisite: DRM300Y1

Recommended Preparation: DRM220Y1/DRM230Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM375H1 Special Topics in Studio Practice [36P]**

An in-depth examination of selected performance disciplines, styles, and genres within their historical and critical context. Content may vary depending on instructor. Please consult the Undergraduate Drama office or check the website for more details.

2016-17 Topic: Acting - Clown

Prerequisite: DRM100Y1/DRM101Y1/UNI102Y1; DRM200Y1. Additional prerequisites may vary from year to year.

Corequisite: DRM300Y1

Recommended Preparation: DRM220Y1/DRM230Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM376H1 Special Topics in Studio Practice [36P]**

An in-depth examination of selected performance disciplines, styles, and genres within their historical and critical context. Content may vary depending on instructor. Please consult the Undergraduate Drama office or check the website for more details.

2016-17 Topic: Practicum - Music Theatre

Prerequisite: DRM100Y1/DRM101Y1/UNI102Y1; DRM200Y1. Additional prerequisites may vary from year to year.

Corequisite: DRM300Y1

Recommended Preparation: DRM220Y1/DRM230Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)



## **DRM377H1 Special Topics in Studio Practice [36P]**

An in-depth examination of selected performance disciplines, styles, and genres within their historical and critical context. Content may vary depending on instructor. Please consult the Undergraduate Drama office or check the website for more details.

2016-17 Topic: Vocal Presence in Performing

Prerequisite: DRM100Y1/DRM101Y1/UNI102Y1; DRM200Y1. Additional prerequisites may vary from year to year.

Corequisite: DRM300Y1

Recommended Preparation: DRM220Y1/DRM230Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM378H1 Special Topics in Studio Practice [TBA]**

An in-depth examination of selected performance disciplines, styles, and genres within their historical and critical context. Content may vary depending on instructor. Please consult the Undergraduate Drama office or check the website for more details.

2016-17 Topic: Acting - Shakespeare

Prerequisite: DRM100Y1/DRM101Y1/UNI102Y1; DRM200Y1. Additional prerequisites may vary from year to year.

Corequisite: DRM300Y1

Recommended Preparation: DRM220Y1/DRM230Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM385H1 Special Topics in Drama, Theatre and Performance Studies [TBA]**

An in-depth examination of selected issues in drama, theatre and performance studies. Content may vary depending on instructor and is counted towards Group A. Please consult the Undergraduate Drama office and check the website for more details.

Prerequisite: DRM100Y1/DRM101Y1/UNI102Y1 or any 4.0 FCE

Recommended Preparation: DRM220Y1/DRM230Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM385Y1 Special Topics in Drama, Theatre and Performance Studies [TBA]**

An in-depth examination of selected issues in drama, theatre and performance studies. Content may vary depending on instructor and therefore may be counted towards Groups A or B. Please consult the Undergraduate Drama office and check the website for more details. Not offered in 2016/17.

Prerequisite: DRM100Y1/DRM101Y1/UNI102Y1 or any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **DRM386H1 Special Topics in Drama, Theatre and Performance Studies [TBA]**

An in-depth examination of selected issues in drama, theatre and performance studies. Content may vary depending on instructor and therefore may be counted towards Groups A or B. Please consult the Undergraduate Drama office and check the website for more details.

Prerequisite: DRM100Y1/DRM101Y1/UNI102Y1 or any 4.0 FCE

Recommended Preparation: DRM220Y1/DRM230Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM387H1 Special Topics in Drama, Theatre and Performance Studies [TBA]**

An in-depth examination of selected issues in drama, theatre and performance studies. Content may vary depending on instructor and is counted towards Group A. Please consult the Undergraduate Drama office and check the website for more details.

Prerequisite: DRM100Y1/DRM101Y1/UNI102Y1 or any 4.0 FCE

Recommended Preparation: DRM220Y1/DRM230Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM388H1 Special Topics in Drama, Theatre and Performance Studies [36L]**

An in-depth examination of selected issues in drama, theatre and performance studies. Content may vary depending on instructor and therefore may be counted towards Groups A or B. Please consult the Undergraduate Drama office and check the website for more details. Not offered in 2016/17.

Prerequisite: DRM100Y1/DRM101Y1/UNI102Y1 or any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM390Y1 Independent Studies in Drama, Theatre and Performance Studies [TBA]**

A scholarly project at the 300 level proposed by the individual student in conversation with a member of faculty who is willing to act as supervisor. Not eligible for CR/NCR option.

Prerequisite: CGPA 2.7; DRM220Y1/DRM230Y1; 10 FCE; Specialist or

Major in Drama; A written proposal; Independent study form signed

by both student and faculty instructor to be submitted for approval to

the Associate Director (undergraduate) before registration: August

1st for September start date; November 1st for January start date.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **DRM391H1 Independent Studies in Drama, Theatre and Performance Studies [TBA]**

A scholarly project at the 300 level proposed by the individual student in conversation with a member of faculty who is willing to act as supervisor. Not eligible for CR/NCR option.

Prerequisite: CGPA 2.7; DRM220Y1/DRM230Y1; 10 FCE; Specialist or

Major in Drama; A written proposal; Independent study form signed

by both student and faculty instructor to be submitted for approval to

the Associate Director (undergraduate) before registration: August

1st for September start date; November 1st for January start date.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM399Y1 Research Opportunity Program**

Credit course for supervised participation in faculty research project.

Details here. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **DRM400Y1 Advanced Performance: Devised Theatre [48T/144P]**

An in-depth study of devising theatre in a group context. This course offers an intensive exploration of the history and practice of devised theatre within the late 20th and early 21st centuries that will culminate in a number of in-class and public performances. This course is open to acting, directing, playwrighting, and production and design students. The Application Deadline is April 11th.

Prerequisite: Minimum CGPA of 2.7; DRM220Y1/DRM230Y1;

DRM300Y1 or DRM354Y1 or DRM328H1 or DRM302H1; a letter of interest and permission of the Drama Centre.

# Drama, Theatre and Performance Studies (Centre for)

Recommended Preparation: DRM331H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **JDC400Y1 Redefining Security through Art [48L/48T]**

Articulates a cultural approach to achieving Human Security. This course examines human security issues in which there is a significant cultural dimension to a security threat, and in which culture occupies an essential place in any realistic and effective solution. The work of artists to be analyzed include: Ariane Mnouchkine; Robert Lepage; Bertolt Brecht; John Greyson, Mohsen Makhmalbaf, Terry George and Daniel Barenboim. Not offered in 2016/17.

Prerequisite: 14 FCE, Specialist or Major in Drama and permission of the instructor.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM401H1 Advanced Concepts in Voice [4T/48P]**

Advanced voice training to refine the skills and concepts developed thus far in DRM200Y1 and DRM300Y1, focusing on performance.

Techniques of articulation, speech, and rhetoric are studied. Taken in conjunction with DRM403Y1: *Advanced Performance: Mainstage* and DRM411H1: *Advanced Concepts in Movement*.

Prerequisite: Minimum CGPA of 2.7; DRM220Y1/DRM230Y1;

DRM300Y1; Acceptance into DRM403Y1 or permission from the instructor.

Corequisite: DRM403Y1 and DRM411H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM402H1 Advanced Directing [24T/36P]**

An exploration of advanced directing for the theatre. The class is centered on student directed productions, which are publically presented at the end of term. Emphasis is placed on the development of strong central concepts and realizing the production with imagination, collaboration and creativity. Priority is reserved for Drama Majors and Specialists. The Application Deadline is March 10th.

Prerequisite: Minimum CGPA of 2.7; DRM220Y1/DRM230Y1;

DRM302H1; DRM331H1; a written proposal and an interview in April.

Recommended Preparation: DRM300Y1 or DRM328H1 or DRM354Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM403Y1 Advanced Performance: Mainstage [48T/144P]**

This course, taught each year by a different visiting professional theatre director, offers upper-level theatre and performance studies students the opportunity to explore acting in a full-length production. Plays are selected to challenge students in a variety of diverse ways, exposing them to a full spectrum of theatre and performance genres and possibilities. The Application Deadline is March 10th.

Prerequisite: Minimum CGPA of 2.7; DRM220Y1/DRM230Y1;

DRM300Y1, 1 FCE from

DRM301H1/DRM311H1/DRM375H1/DRM376H1/

DRM377H1/DRM378H1; An audition in April.

Corequisite: DRM401H1, DRM411H1 (or permission of the Centre).

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **JDC410H1 Art and Politics: Bertolt Brecht, Robert Lepage, Robert Wilson [36L]**

Bertolt Brecht played a specific role in the paradigm shift of the art which began at the end of the 19th century. He advanced this change by trying to connect art to its social and political functions and structure with the positive acceptance of the industrial revolution and by trying to transform it with the help of the new technological media. Not offered in 2016/17.

Prerequisite: 14 FCE, Specialist or Major in Drama and permission of the instructor.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM411H1 Advanced Concepts in Movement [2T/48P]**

Advanced movement training to refine the skills and concepts developed thus far in DRM200Y1 and DRM300Y1, focusing on performance.

Techniques of personal physical awareness, movement as a tool for discovery in acting processes, movement as communication in performance, ensemble work, and movement generation are studied. Taken in conjunction with DRM403Y1: *Advanced Performance: Mainstage* and DRM401H1: *Advanced Concepts in Voice*.

Prerequisite: Minimum CGPA of 2.7; DRM220Y1/DRM230Y1;

DRM300Y1; Acceptance into DRM403Y1 or permission from the instructor.

Corequisite: DRM403Y1 and DRM411H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM428H1 Advanced Playwriting [24T/36P]**

A continuation of DRM328H1, concentrating upon the in-depth knowledge and practice of playwriting with an emphasis on advanced style and technique of writing for the stage. Students develop their own longer work through in-class exercises, one major written assignment, and the final public presentation. See Portfolio Guidelines for information on how to apply.

Prerequisite: Minimum CGPA of 2.7; DRM220Y1/DRM230Y1,

DRM328H1 and a portfolio of writing samples due in November.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM454H1 Advanced Production and Design [24T/36P]**

Continues the exploration of design and production techniques. Students are given an opportunity to use their knowledge and skills from previous production courses on an advanced level. Students are expected to participate in Drama Centre productions in senior creative and leadership roles. Focus also includes the integration of digital technology into theatrical performance.

Prerequisite: Minimum CGPA of 2.7; DRM220Y1/DRM230Y1;

DRM254Y1 and DRM354Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM485H1 Senior Seminar in Drama, Theatre and Performance Studies [TBA]**

An in-depth examination of selected issues in the theatre at the 400 level. Content may vary depending on instructor and therefore may be counted towards Groups A or B. Please consult the Undergraduate Drama office or check the program's website for more details.

Prerequisite: DRM220Y1/DRM230Y1; 14 FCE, Specialist or Major in Drama and/or permission of the instructor.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM485Y1 Senior Seminar: Drama, Theatre and Performance Studies Thesis [TBA]**

Research thesis, emphasizing topics and methods used in drama, theatre and performance studies. Students must obtain permission from the instructor by submitting a research project proposal. The project may engage creative practice, but the thesis itself will be a critical, written work engaging the research and dramaturgy involved in the performance or artwork. Not eligible for CR/NCR option. . Application Deadline is April 11th.

Prerequisite: Minimum CGPA of 2.7; DRM220Y1/DRM230Y1; 14 FCE, Specialist or Major in Drama and a research project proposal.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM486H1 Senior Seminar in Drama, Theatre and Performance Studies [TBA]**

An in-depth examination of selected issues in the theatre at the 400 level. Content may vary depending on instructor and therefore may be counted towards Groups A or B. Please consult the Undergraduate Drama office or check the program's website for more details.

Prerequisite: DRM220Y1/DRM230Y1; 14 FCE, Specialist or Major in Drama and/or permission of the instructor.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM487H1 Senior Seminar in Drama, Theatre and Performance Studies [TBA]**

An in-depth examination of selected issues in the theatre at the 400 level. Content may vary depending on instructor and therefore may be counted towards Groups A or B. Please consult the Undergraduate Drama office or check the program's website for more details.

Prerequisite: DRM220Y1/DRM230Y1; 14 FCE, Specialist or Major in Drama and/or permission of the instructor.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM488H1 Senior Seminar in Drama, Theatre and Performance Studies [36L]**

An in-depth examination of selected issues in the theatre at the 400 level. Content may vary depending on instructor and therefore may be counted towards Groups A or B. Please consult the Undergraduate Drama office or check the program's website for more details.

Prerequisite: DRM220Y1/DRM230Y1; 14 FCE, Specialist or Major in Drama and/or permission of the instructor.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM490Y1 Independent Studies in Drama, Theatre and Performance Studies [TBA]**

A scholarly project at the 400 level proposed by the individual student in conversation with a member of faculty who is willing to act as supervisor. Not eligible for CR/NCR option.

Prerequisite: CGPA 2.7; DRM220Y1/DRM230Y1; 14 FCE; Specialist or Major in Drama; A written proposal; Independent study form signed by both student and faculty instructor to be submitted for approval to the Associate Director (undergraduate) before registration: August 1st for September start date; November 1st for January start date.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **DRM491H1 Independent Studies in Drama, Theatre and Performance Studies [TBA]**

A scholarly project at the 400 level proposed by the individual student in conversation with a member of faculty who is willing to act as supervisor. Not eligible for CR/NCR option.

Prerequisite: CGPA 2.7; DRM220Y1/DRM230Y1; 14 FCE; Specialist or Major in Drama; A written proposal; Independent study form signed by both student and faculty instructor to be submitted for approval to the Associate Director (undergraduate) before registration: August 1st for September start date; November 1st for January start date.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## Faculty

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### Professor and Chair of the Department

R. Pysklywec, M Sc, Ph D

### Professor and Chair of the Department (Interim)

G.S. Henderson, M Sc, Ph D

### Associate Professor and Associate Chair (Graduate Studies)

R. Ghent, M Sc, Ph D

### Associate Professor and Associate Chair (Undergraduate)

U. G. Wortmann, Dipl. Geol., Dr. rer. nat.

### University Professor

B. Sherwood-Lollar, BA, Ph D, FRSC

### Professors

J. R. Desloges, M Sc, Ph D

M. L. Diamond, M Sc, M Sc Eng, Ph D

F.G. Ferris, B Sc, Ph D, FRSC

A.D. Miall, B Sc, Ph D, D Sc, FRSC

B. Milkereit, M.Sc., Ph.D.

N. Eyles, M.Sc., Ph. D. (U of T Scarborough)

K.W.F. Howard, M Sc, Ph D (U of T Scarborough)

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D. Davis, M Sc, Ph D

S. Finkelstein, M Phil, Ph D

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U. Wortmann, Dipl. Geol., Dr. Rer. Nat.

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J. Halfar, Dip Geol, Ph D (U of T Mississauga)

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M. Wells, Ph.D., (U of T Scarborough)

### Assistant Professors

Z. Zajacz, Ph D

M. Laflamme, Ph D (U of T Mississauga)

### Senior Lecturer

C.-G. Bank, Dip Geophys, M Sc, Ph D

### University Professor Emeritus

A.J. Naldrett, MA, M Sc, Ph D, FRSC

### Professors Emeriti

G.M. Anderson, B Eng, MA Sc, Ph D

R. C. Bailey, B.Sc., Ph.D.

J.J. Fawcett, B Sc, Ph D

J. Gittins, M Sc, Ph D, Sc D (U)

D.H. Gorman, B Sc, Ph D

H.C. Halls, M Sc, PhD (U of T Mississauga)

G. Norris, MA, Ph D, FRSC (U)

J.C. Rucklidge, MA, Ph D

W.M. Schwerdtner, Dip Geol, Dr Rer Nat

S.D. Scott, Ph D, FRSC

E. T. C. Spooner, MA, Ph D (U)

J.C. Van Loon, B Sc, Ph D

P.H. von Bitter, MA, Ph D

P-Y. F. Robin, M Sc, Ph D (U of T Mississauga)

J.A. Westgate, B Sc, Ph D (S)

## Introduction

Do you like sciences but have a hard time choosing which one to pursue? Can you picture yourself performing experiments in the lab, or collecting data in the field, or developing and testing models on a computer? Then Earth Sciences is the discipline for you. It is the study of physical, chemical, and biological processes over a wide range of temporal and spatial scales in earth and planetary systems.

Our department offers various programs:

The three specialist programs –Geology, Environmental Geoscience, and Geophysics (offered in collaboration with the Department of Physics) –give students the skills to enter graduate studies and also allows them to become professional “geoscientists in training” after graduation. The Geology specialist program focuses on processes of the solid planetary bodies, including volcanoes, sedimentary environments, mountain building, the formation of minerals or ores, and Earth through time. The Environmental Geosciences specialist program in addition addresses processes related to groundwater and biochemical activities. The Geophysics specialist program allows students to model physical processes in and on Earth and other planets and to apply non-invasive methods of imaging the subsurface, often in 4D (i.e., space and time); targets may range from archaeological investigations to groundwater imaging and mineral exploration, but also include modeling of mountain-building processes and planetary magnetic fields.

The Geoscience Major program builds on a set of core courses and allows students to select elective courses that match their particular interests. Students have paired this program not

just with other science programs but such diverse fields as geography, archaeology, economics, history, political science, or peace and conflict studies.

The Geoscience Minor program provides an introduction to Earth science topics and thinking.

The new major called “Earth and Environmental Systems” takes a holistic approach to understanding how the Earth system works and how it has evolved over tens to millions and billions of years. This requires understanding the dynamics and interactions of all aspects of the system (solid Earth, ocean, atmosphere, and biosphere) and provides the larger context at a time when climate change, resource consumption and global pollution weigh heavily on people and societies.

Our programs emphasise hands-on lab and field work. At least one field course is required in each program, and several courses have offered optional one-day to two-week long trips. In recent years courses have travelled to Newfoundland, Texas, Arizona, Hawaii, Chile, and New Zealand, and small groups of undergraduates have been involved with field research in Turkey, Peru, Greece and South Africa. These field training opportunities foster the establishment of peer networks, develop team-working skills, afford hands-on learning, and allow for a close collaboration and mentoring experience between individual students and instructors. Students are also encouraged to take advantage of extra and co-curricular opportunities such as study abroad, summer abroad, internships, or working in industry and non-governmental organizations.

More information (including an undergraduate handbook) can be found on the department website [www.es.utoronto.ca](http://www.es.utoronto.ca). Students are encouraged to discuss their plans for program and course selection with the Undergraduate Associate Chair ([undergradchair@es.utoronto.ca](mailto:undergradchair@es.utoronto.ca)).

**Status Only Faculty**

- K. Tait, M.Sc., Ph.D., ROM
- J. B. Caron, M.Sc., Ph.D., ROM
- M. Head, M.Sc., Ph.D., Brock University

**Earth Sciences Programs**

The introductory 100-level course JEG100H1 is strongly recommended for enrolment in all programs in the Department of Earth Sciences.

**Geology Specialist (Science program)**

Please consult the undergraduate handbook for detailed information on this program.

(14 full courses or their equivalent)

5.0 FCE foundation courses:

CHM151Y1 / CHM135H1, CHM136H1 (CHM138H1, CHM139H1); MAT135H1 & MAT136H1; (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1); BIO120H1 / MAT221H1 / MAT223H1; STA220H1 / GGR270H1; GGR201H1; CSC108H1 / ESS345H1; recommended: ESS102H1 or JEG100H1

6.0 FCE core courses:

ENV233H1, ESS221H1, ESS222H1, ESS241H1, ESS261H1, JGA305H1, ESS311H1, ESS312H1, ESS322H1, ESS331H1, ESS441H1, ESS431H1 (previously ESS332)

1.0 FCE field courses:

ESS330H1, ESS420H1

2.0 FCE electives chosen from:

ENV234H1, ESS381H1, ESS410H1, ESS423H1, ESS425H1, ESS445H1, ESS461H1, ESS481H1, ESS420H1 / ESS490H1, ESS491H1 / ESS492Y1, ESS362H1

**Environmental Geosciences Specialist (Science Program)**

Jointly sponsored by the School for the Environment and the Department of Earth Sciences. Topics include earth materials, sedimentary geology, aqueous geochemistry, hydrogeology and biogeochemistry. For more information, please contact the Department of Earth Sciences, [undergradchair@es.utoronto.ca](mailto:undergradchair@es.utoronto.ca). Students should note that under the Professional Geoscientists Act of 2000, individuals practicing Environmental Geoscience in Ontario require education that fulfills APGO knowledge requirements or a P.Eng.

(14 full courses or their equivalent which includes fulfillment of the Faculty's Distribution requirement ; must include at least four 300+-series courses, one of which must be at the 400-level)

Environmental Geosciences Specialist

First Year: CHM151Y1/CHM135H1, CHM136H1 (CHM138H1, CHM139H1); (MAT135H1, MAT136H1) / MAT137Y1; PHY131H1, PHY132H1

First or Second Year: BIO120H1

Second to Fourth Years:

ENV233H1, ESS221H1, ESS222H1, ESS241H1; GGR201H1; ENV234H1/ESS261H1/EEB214H1; CHM210H1; MAT235Y1/(MAT221H1/MAT223H1, ESS345H1); STA220H1/GGR270H1; ESS311H1, ESS312H1, ESS331H1; ESS425H1/ENV315H1; ESS461H1, ESS410H1

2.0 FCE from: JGA305H1, ESS381H1, ESS450H1, ESS441H1, ESS445H1, ESS481H1, ESS491H1 / ESS492Y1

# Earth Sciences

## Geophysics Specialist (Science Program)

Consult Departments of Geology and Physics

(13.5 to 14 full courses or their equivalent with at least one course at the 400-level)

9.0 FCEs core courses:

100-level: PHY131H1/PHY151H1, PHY132H1/PHY152H1; (MAT135H1, MAT136H1)/MAT137Y1

200-level: PHY250H1, PHY254H1; MAT235Y1/MAT237Y1; ESS221H1, ESS241H1

300-level: PHY395H1; JGA305H1

400-level: PHY408H1, PHY493H1, PHY494H1; ESS441H1, ESS445H1, ESS450H1

0.5 to 1.0 FCEs ethics course chosen from the following list: JPH441H1, ENV333H1, IMC200H1, PHL273H1, PHL275H1, ABS201Y1

4.0 to 4.5 additional FCEs chosen from Groups A, B, and/or C:

Group A -- courses required and relevant for professional registration

(APGO):

CHM139H1; ESS345H1/CSC108H1; STA220H1/GGR270H1; MAT223H1, MAT244H1; APM346H1; ESS331H1

Group B -- emphasis on physics (suitable for graduate school preparation in a physics program):

PHY252H1, PHY350H1, PHY354H1, PHY392H1, PHY454H1, PHY495H1

Group C -- other relevant courses:

PHY224H1, MAT224H1, MAT335H1, APM346H1, ESS211H1, ESS222H1, ESS311H1, ESS312H1, ESS431H1, ESS330H1, ESS410H1, ESS490H1, ESS491H1, ESS492H1

## Geoscience Major (Science program)

(8 full courses or their equivalent including at least 2.0 FCE at 300+ series with at least 0.5 FCE at 400 level series.)

2.0 to 2.5 FCE chosen from BIO120H1; CHM135H1, CHM136H1 (CHM138H1, CHM139H1); MAT135H1, MAT136H1, MAT137Y1; PHY131H1, PHY132H1; JEG100H1 (ESS102H1); ENV234H1

2.5 FCE core courses: ESS221H1, ESS222H1, ESS241H1, ESS261H1, ESS331H1

0.5 FCE field course: ESS330H1/ESS410H1/ESS450H1

2.5 to 3.0 FCE chosen from 300/400 level ESS courses/JGA305H1; note course progressions and prerequisites.

We suggest students consider the following logical course clusters in their higher years:

(a) Earth/planetary materials and mineral resources: ENV233H1, ESS322H1, ESS431H1 (ESS332H1), ESS423H1

(b) tectonics: JGA305H1, ESS345H1, ESS441H1, ESS445H1

(c) environmental biogeochemistry: ENV233H1, ESS311H1, ESS312H1, ESS410H1, ESS461H1

(d) geoarchaeology: JGA305H1, ESS461H1

## Geoscience Minor (Science program)

(4 full courses or their equivalent, with at least 1.0 FCE at 300+ series.)

1. 1.0 FCE of 100-series CHM, BIO, or PHY courses.

2. 1.0 FCE of 100-level ESS courses (JEG100H1/ESS102H1 recommended).

3. 1.0 FCE of 200-level ESS courses, including ENV234H1.

4. 1.0 FCE of 300/400 level ESS courses, including JGA305H1.

Be aware of course prerequisites, check clusters of courses listed for the geoscience major program, and consult the geology undergraduate handbook for logical course progressions.

## Environmental Geosciences Minor (Science Program)

**Admission to the Environmental Geosciences Minor has been administratively suspended as of 1 April 2015 and is no longer admitting students. Students presently enrolled in the minor will be able to complete the program requirements as described below.**

(4 full courses or their equivalent; must include at least one full-course equivalent at the 300+-level)

1. CHM136H1 (CHM138H1)

2. ENV233H1; ESS221H1, ESS222H1, ESS311H1, ESS312H1, ESS410H1

## Earth and Environmental Systems Major (Science program)

(8 full courses or their equivalent including at least 2.0 FCE at 300+ series with at least 0.5 FCE at 400 level series.)

2.0 FCE foundation science courses:

2.0 FCE selected from JEG100H1 (ESS102H1), BIO120H1, BIO130H1, CHM135H1 (CHM139H1), CHM136H1 (CHM138H1), PHY131H1, PHY132H1, MAT135H1

3.0 FCE core courses:

1.0 FCE at 200 level: ESS261H1, ESS262H1 (NOTE: ESS261H and ESS262H may be taken in either order.)

1.0 FCE at 300 level: ESS345H1, ESS361H1/ESS362H1/GGR305H1

0.5 FCE field course: ESS410H1/ESS450H1/GGR390H1

0.5 FCE capstone course: ESS461H1/ESS462H1/ESS463H1/ESS464H1

## 3.0 FCE elective courses:

The following clusters of courses are neither mutually exclusive nor meant to limit choice but intended to show logical course complements. These are not POST requirements; rather the clusters are presented to aid students in course selection according to their interests.

### a) Earth Surface Processes

ESS241H1, ESS311H1, ESS331H1, ESS445H1, GGR201H1, GGR205H1, GGR272H1

### b) Paleoclimate

ESS331H1, ESS361H1, ESS362H1, ESS461H1, ESS464H1, ENV234H1, GGR305H1

### c) Biogeochemistry

ENV233H1, ESS311H1, ESS312H1, ESS362H1, ESS410H1, ESS462H1

### d) Global Environmental Change

ESS362H1, ESS462H1, ESS463H1, GGR203H1, GGR314H1, PHY392H1

### e) Quaternary Science

ANT314H1, ANT315H1, ANT409H1, ANT419H1, ESS461H1

### f) Other Relevant Courses

JGA305H1, ESS450H1, GGR337H1, JEE337H1, JSC301H1, ESS399Y0, ESS491H1/ESS492Y1

## Earth Sciences Courses

### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the

students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### JEG100H1 Introduction to Physical Geography and Earth Sciences [24L/10P]

This introduction to Physical Geography and Earth Sciences examines the atmosphere, lithosphere, hydrosphere, cryosphere and biosphere, emphasizing processes, flows of energy and materials, and the interconnectedness of these Earth systems. Specific topics include weather and climate, earth materials, geological and geomorphic processes involved in the genesis of landforms, river systems, glaciers, soils, and biomes. Five laboratory meetings during the term.

Exclusion: GGR100H1 and ESS102H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### ESS103H1 Geology in Public Issues [24L]

Geologic hazards: earthquakes, volcanoes, landslides, tsunamis. The distribution and politics of natural resources, including petroleum and ore deposits. Nuclear power and nuclear waste disposal. Global change: the geologic record of hot and cold climates, and how the earth survives.

ESS103H1 is primarily intended as a science Distribution Requirement course for Humanities and Social Science, it will be taught in odd years.

Exclusion: GLG103H1, ERS103H5

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### ESS104H1 Controversies in Earth Science [24L]

The evolution of ideas about the origin and development of the earth from the Athenians to the 20th Century, with attention on the age of earth; on the evolution and disappearance of species; on the origin of oceans, continents and mountains; on climate change; and on the courage of scientists in confronting the religious and political views of their time. ESS104H1 is primarily intended as a science Distribution Requirement course for Humanities and Social Science students. Taught in even years.

Exclusion: GLG105H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### ESS105H1 Our home planet [24L]

The nature and evolution of the Earth; plate tectonics; rocks and minerals; volcanism; geological time; fossils; geology of Ontario; environmental issues; and human interactions with the planet.

ESS105H1 is primarily intended as a science Distribution Requirement course for Humanities and Social Science students

Exclusion: GLG110H1, EESA06H3

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### ESS205H1 Confronting Global Change [24L/8T]

The emergence of society as a major geological force is considered in terms of the evolving debate about the consequences of human activity for the habitability of our planet. Major issues such as climate change, environmental pollution, and depletion of natural resources are examined.

Exclusion: GLG205H1, ERS321H5

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

# Earth Sciences

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## **ESS221H1 Minerals and Rocks [24L/36P]**

Systematic mineralogy (including: identification, classification and description), Physical and chemical properties of minerals. Crystallography and crystal systems (symmetry, crystal structure, crystal systems) Descriptions of rocks in hand samples. Optical techniques in mineral identification.

Exclusion: GLG206H1, ERS201H5, EESB19H3

Recommended Preparation: (CHM138H1,CHM139H1)/CHM151Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **ESS222H1 Petrology [24L/36P]**

Origin and classification of igneous, sedimentary and metamorphic rocks and their associated ore deposits. Emphasis is placed on formation of rock types in the context of plate tectonic theory, and the practical aspects of rock identification in hand sample and thin section.

Prerequisite: ESS221H1, ERS203H5, EESC36H3

Exclusion: GLG207H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **ENV233H1 Earth System Chemistry [24L]**

This course will examine how the chemistry of the Earth system has changed through geologic time including recent perturbations by humans. Within this context students will be exposed to the scientific principles of thermodynamics, redox, and acid-base chemistry. This course will build on the topics introduced in ENV234H1.

Prerequisite: 0.5 FCE from

CHM135H1/CHM138H1/CHM136H1/CHM139H1

(recommended)/CHM151Y1; 0.5 FCE from

MAT135H1/MAT137Y1/MAT157Y1/JMB170Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **ENV234H1 Environmental Biology: Structure and Function of Ecosystems [24L/18P]**

This multidisciplinary course draws on elements from geology, soil science, and ecology to understand past and present environments and human impacts on landscapes and ecosystems. Emphasis on the structure, functioning and connectivity of aquatic and terrestrial ecosystems. Field trips and labs. Mandatory day-long field trip on a Friday or Saturday (students choose which day; a fee of approximately \$15 may be charged for field trip transportation.) (Lab Materials Fee: \$25)

Prerequisite: BIO120H1 (highly recommended) or

ESS102H1/GLG102H1/GGR100H1/JEG100H1/FOR200H1/FOR201H1

Exclusion: ENV234Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **ESS241H1 Geologic Structures and Maps [24L/36P]**

Field observations, description and classification of geological structures: stratigraphic and intrusive contacts, unconformities; relative age determination; folds and fold systems; faults and fault systems; boudinage, foliations and lineations; spherical projections and mechanical principles (stress, strain, rheology). Practical work focuses on reading geological maps, constructing cross-sections, and interpreting both in terms of geological processes and histories.

Exclusion: GLG345H1, EESC37H3

Recommended

Preparation: (PHY131H1,PHY132H1)/(PHY151H1,PHY152H1)

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **ESS261H1 Earth System Evolution [24L/36P]**

Interrelationships between Earth's atmosphere, hydrosphere, geosphere and biosphere through time; including patterns of evolution and extinction as they are related to changes at the earth's surface and recorded in the rock record. Laboratories cover major groups of fossils, their classification, use in biostratigraphy, and living analogues. NOTE: ESS261H1 and ESS262H1 may be taken in either order; and both are required for advanced courses.

Exclusion: GLG217H1

Recommended Preparation: BIO120H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **ESS262H1 Earth System Processes [24L/24P]**

Processes acting within the Earth system, with particular emphasis on interactions between its components (hydrosphere, atmosphere, biosphere and solid Earth) at long and short timescales. Lecture topics include pre-biotic and post-biotic atmosphere, thermohaline circulation of the oceans, plate tectonics, the rock cycle, regulation of paleoclimates, the global carbon cycle and the terrestrial and marine biosphere.

Recommended Preparation: PHY131H1/CHM138H1/BIO120H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **ESS299Y1 Research Opportunity Program**

Credit course for supervised participation in faculty research project.

Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: None

## **JGA305H1 Environmental and Archaeological Geophysics [24L/12P]**

Application of near-surface geophysical methods to investigate environmental and archaeological sites; in particular magnetometry, resistivity, ground-probing radar, and seismic surveys. Course will cover background on the various methods, and allow students to run field surveys and present on case studies.

Prerequisite: ESS241H1 or ANT200Y1 or GGR201H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **ESS311H1 Aqueous Geochemistry [24L/24P]**

An introduction to aqueous environmental geochemistry emphasising the importance of chemical equilibria, mass transport, and microbiological activity in regulating the chemical composition of natural and contaminated systems.

Prerequisite: ESS211H1 / ENV233H1

Exclusion: GLG351H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **ESS312H1 Hydrogeology [24L/24P]**

Groundwater flow, the role of groundwater in geologic processes, and physical, chemical and biological constraints on contaminant source transport and attenuation.

Prerequisite: ESS311H1

Exclusion: GLG450H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)



## ESS322H1 Igneous and Metamorphic Petrology [24L/36P]

An overview of the nature and origin of igneous as well as metamorphic rocks, with particular emphasis on the interpretation of textures and mineral assemblages as they reflect rock-forming processes. Laboratory exercises familiarise students with the most common rock types, and provide practical examples of the theoretical principles discussed in lectures. This course also has a mandatory weekend field trip to view igneous and metamorphic rocks and structures in the Bancroft or Montreal area.

Prerequisite: ESS222H1 & ESS211H1/ENV233H1

Exclusion: GLG318H1, GLG319H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## ESS330H1 Introduction to Geologic Field Methods

A two-week field course in early May or late August. Students are introduced to field geology and to basic field measurement, mapping and documentation techniques (for example in the Espanola - Manitoulin Island area, west of Sudbury). Students are responsible for the cost of board and lodging and transport to and from the field area. Not eligible for CR/NCR option. Note: Enrollment is handled by the department. For registration deadlines, additional fees associated with the field course, course dates, and special registration requirements, please consult the departmental announcements or inquire with [ugrad@es.utoronto.ca](mailto:ugrad@es.utoronto.ca).

Prerequisite: ESS222H1 & ESS241H1

Exclusion: GLG340H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## ESS331H1 Sedimentation and Stratigraphy [24L/36P]

Formal principles of stratigraphy, types of stratigraphic unit, methods of dating and correlation (biostratigraphic methods, magnetostratigraphy, radiometric dating). Methods of study in surface and subsurface (outcrop measurement, elementary introduction to wireline logs, seismic methods). The principles of facies analysis; sediment transport - sedimentary structures, the flow regime, and sediment gravity flows. The carbonate factory and carbonate rock classification. Trace fossils. Laboratory exercises in understanding facies mapping, isopachs and isolith maps.

Prerequisite: ESS221H1

Exclusion: GLG360H1, ERS313H5

Recommended Preparation: ESS222H1, ESS330H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## JEE337H1 Human Interactions with the Environment [24L/12P]

The impact of 7 billion people on the planet is enormous and challenges future generations. What are these impacts today and in future? What solutions and tools can avert societal collapse? Using an integrated and interdisciplinary systems approach, we explore problems and solutions to the earth's limits to growth.

Prerequisite: (two of ENV233H1, ENV234H1, ENV237H1/ENV238H1) or (GGR201H1 + GGR203H1) or (ENV233H1 + ESS261H1) or (CHM210H1 + CHM217H1) or (ENV221H1/ENV222H1/ENV234H1 + BIO220H1 + BIO230H1/BIO255H1) or permission of Academic Associate Director

Exclusion: JGE236H1

Recommended Preparation: Related high school science

Distribution Requirement Status: Science

Breadth Requirement: None

## ESS345H1 Computational Geology [24L/1T/24P]

High-level computer programming to manipulate, analyse, and visualise geologic datasets, and to solve geologic problems that require mathematical and physical concepts. Students work in Matlab, write reports, give oral presentations, and work in teams.

Prerequisite: ESS241H1/ESS261H1/ESS262H1

Exclusion: GLG204H1, CSC108H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## ESS361H1 Atmosphere-Biosphere Interactions [24L]

Theory on the exchange of energy and matter (carbon, water) between the land surface and atmosphere, with a focus on the implications of ecosystem-level processes for regional micrometeorology. Examples will be taken from research on contemporary as well as palaeoclimate systems. Case studies to include how changes in vegetation type alter surface radiation balance, hydrological cycling and heat transfer in soils. There is no formal textbook for this course. Lecture material will be augmented with assigned readings from the scientific literature.

Prerequisite: 8.0 FCE's, including 1.5 FCE from

PHY131H1/PHY132H1/CHM138H1/CHM139H1/MAT135H1/MAT136H1

Exclusion: GGR303H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## ESS362H1 Oceanography [24L/24P]

An introduction to the physical, geological, chemical, and biological processes governing the world's oceans. The course emphasizes critical thinking, environmental issues, and interrelationships among scientific disciplines.

Prerequisite: 8.0 FCE including ESS261H1/ESS262H1

Recommended Preparation: 1.0 FCE from

ESS102H1/PHY131H1/PHY132H1/CHM138H1/CHM139H1/BIO120H1/MAT135H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## ESS381H1 Special Topics in Earth Science [24L/24P]

A survey of current thinking in Earth science. Topics may include isotope geochemistry, ore genesis, or planetary remote sensing.

Prerequisite: minimum of 1.0 credits in ESS at the 200+level

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## ESS391H1 Directed Studies

An individual study program chosen by the student with the advice, and under the supervision, of a faculty member. Such work may involve obtaining data in the field or lab and analysing it, an interdisciplinary research project, and supervised readings. Not eligible for CR/NCR option.

Prerequisite: enrollment in an Earth Science program of study, completion of at least one full-course equivalent of 200-series ESS courses.

Exclusion: GLG371H1

Distribution Requirement Status: Science

Breadth Requirement: None

# Earth Sciences

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## **ESS392Y1 Directed Studies**

An individual study program chosen by the student with the advice, and under the supervision, of a faculty member. Such work may involve obtaining data in the field or lab and analysing it, an interdisciplinary research project, and supervised readings. Not eligible for CR/NCR option.

Prerequisite: enrollment in an Earth Sciences Program of Study; completion of at least one full-course equivalent of 200-series ESS courses.

Exclusion: GLG372Y1

Distribution Requirement Status: Science

Breadth Requirement: None

## **JPE395H1 Physics of the Earth (Formerly PHY395H1) [24L]**

Designed for students interested in the physics of the Earth and the planets. Study of the Earth as a unified dynamic system; determination of major internal divisions in the planet; development and evolution of the Earth's large scale surface features through plate tectonics; the age and thermal history of the planet; Earth's gravitational field and the concept of isostasy; mantle rheology and convection; Earth tides; geodetic measurement techniques, in particular modern space-based techniques.

Prerequisite: PHY132H1/PHY152H1/PHY180H1/MIE100H1, MAT235Y1/MAT237Y1/MAT291H1/AER210H1, PHY254H1/PHY293H1/MAT244H1/MAT290H1/MAT292H1

Exclusion: PHY359H1, PHY395H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **ESS398H0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: None

## **ESS399Y0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Exclusion: GLG399Y0

Distribution Requirement Status: Science

Breadth Requirement: None

## **ESS410H1 Field Techniques in Hydrogeochemistry**

A ten-day field course in late summer at the Deep River field site designed to familiarize students in a variety of hydrogeological and biogeochemical field techniques; includes a mixture of lecture, laboratory and field exercises. Not eligible for CR/NCR option. Note: Enrollment is handled by the department. For registration deadlines, additional fees associated with the field course, course dates, and special registration requirements, please consult the departmental announcements or inquire with [ugrad@es.utoronto.ca](mailto:ugrad@es.utoronto.ca).

Prerequisite: ESS311H1, ESS312H1

Exclusion: GLG448H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **ESS420H1 Advanced Geological Field Methods**

A two-week advanced geological mapping project in a challenging field environment. Students learn to compile existing geoscience data, create a geological map and prepare a professional final report on their activities and findings. Not eligible for CR/NCR option. For registration deadlines, additional fees associated with the field course, course dates, and special registration requirements, please consult the departmental announcements or inquire with [ugrad@es.utoronto.ca](mailto:ugrad@es.utoronto.ca).

Prerequisite: ESS322H1 & ESS330H1

Exclusion: GLG445H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **ESS423H1 Mineral Deposits [24L/36P]**

Geology and geochemistry of ore deposits. Origin and interpretation; systematic ore mineralogy, in hand specimen and reflected light microscopy.

Prerequisite: ESS322H1

Exclusion: GLG442H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **ESS425H1 Analytical Methods for the Geosciences [24L/36P]**

Theory and hands-on learning of current analytical techniques (laboratory work is worth 50% of the final grade). In each lab, groups of two students receive instruction from an experienced analyst and acquire hands-on experience using state-of-the-art analytical equipment. Where possible, samples supplied by the students are analyzed. Techniques covered include Neutron Activation, X-ray Fluorescence, X-ray Diffraction, Scanning Electron Microscopy, Gas Chromatography, Ion Chromatography, Atomic Absorption, Inductively Coupled Plasma Optical Emission Spectrometry and Inductively Coupled Plasma Mass Spectrometry.

Prerequisite: ESS322H1

Exclusion: ENV315H1

Recommended Preparation: ESS311H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **ESS431H1 Basin Analysis (formerly ESS332H1) [24L/36P]**

Detailed study of each of the major sedimentary environments. Typical facies assemblages, cyclic sedimentation. Autogenic and allogenic processes. The principles of sequence stratigraphy. The history of the sequence concept; systems tracts and bounding surfaces. Sequence models. What causes sequences: mechanisms of change in base level and accommodation: -tectonism, climate change, eustatic sea-level change.

Prerequisite: ESS331H1

Exclusion: GLG430H1, ESS332H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **ESS441H1 Advanced Structural Geology [24L/24P]**

Principles of geological mechanics: stress, strain, rheology. Faulting, folding and development of tectonic foliations and lineations. Structural analysis of fractures, folds and tectonites.

Prerequisite: ESS241H1 and 1.0 FCE of 300-level ESS/PHY courses, including JGA205H1

Recommended Preparation: ESS345H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **ESS445H1 Global Tectonics [24L/24P]**

Exploration of physical Earth processes and their relationship to large-scale geological phenomena. Mantle convection as plate tectonic engine; intraplate/plate boundary lithospheric deformation including orogenesis and crustal subsidence. Focus on reconciling geodynamic theory/modelling with geological/geophysical observations.

Prerequisite: ESS441H1

Exclusion: GLG465H1

Recommended Preparation: ESS322H1 & ESS332H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **ESS450H1 Geophysical Field Techniques [TBA]**

A ten-day field course in late August at the Deep River field site. Students get hands-on experience using geophysical instrumentation, applying various data collection techniques, and performing data analysis in gravity, magnetic, seismic, electrical, electromagnetic, and radar surveys. Not eligible for CR/NCR option. Note: Enrollment is handled by the department. For registration deadlines, additional fees associated with the field course, course dates, and special registration requirements, please consult the departmental announcements or inquire with [ugrad@es.utoronto.ca](mailto:ugrad@es.utoronto.ca).

Exclusion: GLG330H1

Recommended Preparation: JGA305H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **ESS452H1 Geophysical Imaging with Non-seismic Methods (Formerly PHY494H1) [24L]**

Current geophysical surface and borehole methodologies (gravity, magnetics, electrical, electromagnetic, nuclear) and their theoretical basis for investigating Earth's interior to depths ranging from several metres to tens of kilometers.

Prerequisite: PHY395H1, APM346H1

Exclusion: PHY494H1

Recommended Preparation: ESS345H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **ESS461H1 Palaeoenvironmental Studies [24L/24P]**

The use of proxy data (terrestrial and aquatic microfossils) to infer past environmental conditions. The nature and extent of Quaternary environmental change is considered in the context of assessing current issues such as acidification, metal pollution, eutrophication and global climate change. Palaeoenvironmental techniques are applied in the laboratory.

Prerequisite: ESS261H1

Exclusion: GLG436H1

Recommended Preparation: ESS362H1, ENV233H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **ESS462H1 Global Biogeochemical Cycles [24L]**

A seminar course focusing on the exchange of matter (i.e. elements, minerals) between the Earth's atmosphere, ocean, and biosphere. Course-related topics include global biogeochemical cycling of carbon, nitrogen, phosphorous, silicon, iron, and zinc (amongst other elements) and will include both terrestrial and marine ecosystems. Examples and case studies will be viewed from the paleo-, contemporary and potential future global change perspectives. The overall content of course readings will be determined by student interest, as students have the freedom to choose topics (readings) of personal interest. Offered in alternate years.

Prerequisite: 10 FCEs from any of ESS/MAT/PHY/CHM/EEB/GGR,

including ESS361H1/ESS362H1/GGR305H1

Exclusion: GGR403H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **ESS463H1 Contaminants in the Environment [24L]**

Disturbances to the Earth system by anthropogenic contaminant input and how to improve environmental quality. Case studies include mining contamination and remediation, and movement of contaminants in air, water, soils, and sediments, particularly in urban areas.

Prerequisite: ESS261H1, ESS262H1, ESS361H1/ESS362H1

Distribution Requirement Status: Science

## **ESS464H1 Biological Perspectives on Earth System Evolution [24L]**

A seminar course focussing on ways that the Earth's biosphere (terrestrial and marine) has altered the overall functioning of the Earth System over geological time, including (1) influence of terrestrial vegetation on surface processes such as palaeosol development, river geomorphology, erosion, and cycling of major biogeochemical nutrients on land, (2) influence of the marine biosphere on the concentration of O<sub>2</sub> and CO<sub>2</sub> in the atmosphere, including the origin of the stratospheric ozone layer, and (3) the interactive influence of the terrestrial and marine biosphere on atmospheric moisture transport, production of latent relative to sensible heat fluxes, and the development of the planetary boundary layer. Offered in alternate years.

Prerequisite: ESS261H1/ESS262H1,

ESS361H1/ESS362H1/GGR305H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **ESS481H1 Advanced Topics in Earth Sciences [TBA]**

An in-depth study of a modern earth science question, for example mineralogy and material science, advanced petrology, or exploration geochemistry.

Prerequisite: appropriate 300-level ESS credits. Prerequisites change from year to year; consult Department for details.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **ESS490H1 Geological Capstone Fieldtrip**

A two-week excursion to a challenging field setting. Students will integrate field observations with their accumulated knowledge of geodynamics, structural geology, and landscape evolution to understand large-scale geological events. Not eligible for CR/NCR option. Note: Enrollment is handled by the department. For registration deadlines, additional fees associated with the field course, course dates, and special registration requirements, please consult the departmental announcements or inquire with [ugrad@es.utoronto.ca](mailto:ugrad@es.utoronto.ca).

Prerequisite: ESS241H1, ESS221H1,

ESS330H1/ESS420H1/ESS450H1

Exclusion: GLG420H1

Recommended Preparation: ESS261H1, ESS322H1, ESS431H1,

ESS441H1, ESS445H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

# Earth Sciences

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## **ESS491H1 Undergraduate Thesis Project**

Research emphasising methods used in field and experimental work. Students must obtain the consent of an instructor and register with the undergraduate coordinator and are urged to do so toward the end of their third year. In addition to submitting a thesis, students are required to give an oral presentation of their research results to an open meeting of the department. Not eligible for CR/NCR option.

Prerequisite: Completion of the required 300-level courses, and enrollment in a relevant program and permission of the department.

Exclusion: GLG471H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **ESS492Y1 Undergraduate Thesis Project**

Research emphasising methods used in field and experimental work. Students must obtain the consent of an instructor and register with the undergraduate coordinator and are urged to do so toward the end of their third year. In addition to submitting a thesis, students are required to give an oral presentation of their research results to an open meeting of the department. Not eligible for CR/NCR option.

Prerequisite: Completion of the required 300-level courses in an appropriate program and permission of the department.

Exclusion: GLG470Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **JPE493H1 Seismology (Formerly PHY493H1) [24L]**

Why do earthquakes occur and how are they related to tectonic motion of the Earth's surface? What is the physics behind the propagation of seismic waves through the Earth, and how can it be used to determine the internal structures of the Earth? This introductory course is aimed at understanding the physics behind seismic wave propagation, as well as asymptotic and numerical solutions to the elastodynamic equation. Travel time and amplitude of seismic waves are discussed based on seismic ray theory, while numerical methods are introduced to obtain accurate solutions to more complex velocity structures. Seismic tomographic methods, including their applications to hydrocarbon reservoir imaging, are also covered.

Prerequisite: JPE395H1, APM346H1/APM351Y1

Exclusion: PHY493H1

Recommended Preparation: ESS345H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## Faculty

### Professors Emeriti

S. Arntzen, MA, PhD  
 E.-J. Baek, MA, PhD  
 J. Ching, MA, PhD  
 R.W. Chu, BLS, MA  
 V.C. Falkenheim, MA, PhD  
 R. Guisso, BA, DPhil  
 F.P. Hoff, MA, PhD  
 A.V. Liman, MA  
 R.J. Lynn, MA, PhD  
 K. Nakajima, MA, MPhil  
 L.C.D.C. Priestley, MA, PhD  
 S. Sandahl, MA, PhD  
 W.A. Schlepp, BSc, BA, PhD  
 R. Tsukimura, MA, PhD  
 A.H.C. Ward, MA  
 D.B. Waterhouse, MA, LRAM, FRSC, FRAS

### Chair of the Department

T. Keirstead, MA, PhD

### Undergraduate Coordinator

Y. Wu, MA, PhD

### Professors

E. Cazdyn, MA, PhD  
 J. Liu, MA, MA, PhD  
 A. Sakaki, MA, PhD  
 V.T. Shen, MA, PhD  
 L. Yoneyama, MA, PhD

### Associate Professors

L.R. Feng, MA, PhD  
 K. Kawashima, MA, PhD  
 T. Keirstead, MA, PhD  
 Y. Meng, MA, MA, PhD  
 J. Poole, MA, PhD  
 G. Sanders, PhD  
 A. Schmid, MA, PhD  
 Y. Wu, MA, MA, PhD

### Assistant Professors

A. Goodman, MA, PhD  
 C. Virag, MA, PhD  
 Y. Zhong, MA, PhD

### Senior Lecturers

J. Arimori, MA  
 K. Ko, MA, PhD  
 I. Komuro-Lee, MA  
 H. Rupprecht, MA, PhD

## Introduction

The Department of East Asian Studies offers students the opportunity to develop a deeper understanding of the history, cultures, and languages of premodern, modern, and contemporary East Asia. The department's course offerings engage the diversity of East Asian cultures, from

contemporary film and politics to ancient philosophy, and they critically examine the structures that define the area and render it an object of study. We offer a full range of courses on East Asian literature, history, thought, religion, and society, as well as Chinese, Japanese, and Korean language courses from beginning to advanced levels. In a time of globalization, a degree in East Asian Studies can be an excellent springboard from which to launch a career in fields where bilingualism, critical analytical skills, and in-depth knowledge of the socio-historical and cultural contexts of East Asian texts and ideas are essential. Our Major and Specialist programs build the foundation for careers in teaching and research, international business and law, foreign service, and cultural institutions.

Students seeking counseling should contact the Undergraduate Coordinator, but all members of the Department will be happy to provide advice and information about their course offerings. In conjunction with Woodsworth College, the Department offers courses during June and July at the University of Hong Kong, and through the Centre for International Experience, participates in exchange programs with universities in China, Korea, Japan, Taiwan, and Singapore.

General Enquiries: Robarts Library, 14th Floor, (416)946-3625, [www.eas.utoronto.ca](http://www.eas.utoronto.ca)

## East Asian Studies Programs

The Department of East Asian Studies offers three undergraduate Programs of Study. The Specialist is the most intensive and comprehensive program, requiring a minimum of 10 full-course equivalents (FCEs) in a 20-FCE degree. The Major requires 7.0 FCEs while the Minor requires 4.0 FCEs.

Language Requirement: Both the Major and Specialist programs require a level of proficiency in an East Asian language: second year (EAS200Y1/EAS201H1/EAS210Y1/EAS211Y1/EAS212H1/EAS220Y1/EAS221H1) for Majors and third year (EAS300Y1/EAS310Y1/EAS320Y1) for Specialists. Students' language abilities will be assessed by the department prior to enrolling in the language courses. The department reserves the right to place students in language courses appropriate to their language abilities.

### East Asian Studies Specialist

Completion of the program requires 10.0 FCEs, meeting the following requirements:

1. EAS103H1 and EAS105H1, normally taken in the first year;
2. EAS209H1, highly recommended to be taken in the second year;
3. At least third-year proficiency in Chinese, Korean or Japanese, either by completing an appropriate language course (e.g., EAS300Y1/EAS310Y1/EAS320Y1 or a 400-level language course) or by demonstrating the required proficiency in the initial placement. Students whose placement assessment exempts them from the requirement must substitute Society-Culture courses or courses in one of the other languages offered;
4. A minimum of 5.0 Society-Culture FCEs, with at least 4.0 FCEs at the 300-level or above, of which at least 1.0 FCE must be at the 400 level;
5. Additional EAS courses to a total of 10.0 FCEs; and
6. 2.0 FCEs may be courses on East Asia offered by other departments.

Note: First-year students should take EAS103H1 and EAS105H1, a first-year language course (unless placed in an upper-year language course by the department), and up to 1.0 Society-Culture FCE at the 200-level.

## East Asian Studies Major

Completion of the program requires 7.0 FCEs, meeting the following requirements:

1. EAS103H1 and EAS105H1, normally taken in the first year;
2. EAS209H1, highly recommended to be taken in the second year;
3. At least second-year proficiency in Chinese, Korean or Japanese, either by completing an appropriate language course (e.g., EAS201H1/EAS200Y1/EAS210Y1/EAS211Y1/EAS212H1/EAS220Y1/EAS221H1 or a higher level language course) or by demonstrating the required proficiency in the initial placement. Students whose placement assessment exempts them from the requirement must substitute Society-Culture courses or courses in one of the other languages offered;
4. A minimum of 3.0 Society-Culture FCEs, with at least 2.0 FCEs at the 300-level or above, of which at least 0.5 FCE must be at the 400 level;
5. Additional EAS courses to a total of 7.0 FCEs; and
6. 1.0 FCE may be courses on East Asia offered by other departments.

Note: First-year students should take EAS103H1 and EAS105H1, a first-year language course (unless placed in an upper-year language course by the department), and up to 1.0 Society-Culture FCE at the 200-level.

## East Asian Studies Minor

Completion of the program requires 4.0 FCEs, meeting the following requirements:

1. EAS103H1 and EAS105H1;
2. 3.0 Society-Culture FCEs, one of which must be 300/400-level; and
3. 1.0 FCE may be courses on East Asia offered by other departments.

Language courses cannot be used to fulfil the requirements of the Minor program.

## EAS Course Groups

### Core Courses

EAS103H1, EAS105H1, EAS209H1

### Society-Culture Courses

EAS214H1, EAS215H1, EAS219H1, EAS230H1, EAS235H1, EAS241H1, EAS242H1, EAS243H1, EAS245H1, EAS246H1, EAS247H1, EAS251H1, EAS256H1, EAS257H1, EAS271H1, EAS273H1, EAS284H1/EAS284Y1, EAS289Y1, EAS295Y0, EAS296H1, EAS297H1, EAS299Y1, EAS307H1, EAS309H1, EAS311H1, EAS314H1, EAS315H1, EAS327H1, EAS330H1, EAS333H1, EAS334H1/EAS334Y1, EAS338H1, EAS340Y1, EAS345Y1, EAS346H1, EAS347H1, EAS348H1, EAS349H1, EAS357H1, EAS358Y1, EAS361H1, EAS362Y1, EAS363H1, EAS364H1, EAS365H1, EAS366H1, EAS372H1/EAS372Y1, EAS374H1, EAS375H1, EAS378H1, EAS384H1, EAS386Y1, EAS388H1, EAS393H1/EAS393Y1, EAS394H1, EAS395Y0, EAS396H1, EAS397H1, EAS398H0, EAS399Y0, EAS406Y1, EAS407H1, EAS408H1, EAS409H1, EAS411H1, EAS412H1, EAS413H1, EAS414H1, EAS417H1, EAS418H1, EAS419H1, EAS420H1, EAS431H1, EAS432H1, EAS434H1, EAS435H1, EAS436Y1, EAS438H1, EAS439H1, EAS444H1, EAS447H1, EAS448H1, EAS449H1, EAS454H1, EAS455H1, EAS456H1, EAS457H1, EAS458H1, EAS459Y1, EAS464H1, EAS465H1, EAS466H1, EAS467H1, EAS471H1, EAS471Y1, EAS473H1, EAS474H1, EAS475Y1, EAS478Y1, EAS479H1, EAS484Y1, EAS495Y1, EAS496H1, EAS497H1

### Language Courses

EAS100Y1, EAS101Y1, EAS110Y1, EAS120Y1, EAS121H1, EAS122Y0, EAS200Y1, EAS201H1, EAS210Y1, EAS211Y1, EAS212H1, EAS220Y1, EAS221H1, EAS222Y0, EAS223Y0, EAS300Y1, EAS310Y1, EAS320Y1, EAS321Y0, EAS322Y0, EAS401H1, EAS402H1, EAS410Y1, EAS416Y1, EAS460H1, EAS461H1, EAS462Y0, EAS463Y0, EAS464Y0

### Society-Culture Courses on East Asia Offered by Other Departments

A number of courses that focus on East Asia offered by other departments can be counted as Society-Culture courses.

ANT341H1, ANT472H1, ANT477H1, CAS201H1, CAS202H1, CAS310H1, CAS320H1, CAS350H1, CAS360H1, CAS370H1, CAS390H1, CAS400H1, CAS413H1, CAS414H1, CAS420H1, CAS430H1, CAS490H1, CDN230H1, CDN390H1, CIN376Y1, ECO435H1, FAH260H1, FAH262H1, FAH360H1, FAH363H1, FAH368H1, FAH461H1, FAH462H1, FAH463H1, FAH464H1, GGR343H1, HIS280Y1, HIS281Y1, HIS326H1, HIS328H1, HIS380H1, HIS385H1, HIS385Y0, HIS448H1, HIS485H1, JHA384H1, JHA394H1, JPA331Y1, JPA410H1, JPA411H1, MUS215H1, PHL237H1, PHL337H1, POL215Y1, POL302Y1, POL431Y1, RLG206H1, RLG245H1, RLG356H1, RLG379H1, RLG465H1, RLG466H1, RLG467H1

Please see the EAS website ([www.eas.utoronto.ca](http://www.eas.utoronto.ca)) for updates.

## Faculty of Arts & Science Language Citation

The Department of East Asian Studies participates in the Faculty of Arts and Science's Language Citation initiative for Chinese, Japanese, and Korean. The study of any of these languages is a challenging and time consuming endeavour, which offers rich rewards for students interested in the cultures, societies, and economies of East Asia.

The Language Citation recognizes a significant level of achievement in language study with a high level of academic success. The Language Citation is available to students who achieve a B- or above in 2.0 FCEs beyond the first-year course in a language. The following courses count towards a Language Citation:

Chinese –EAS200Y1, EAS201H1, EAS300Y1, EAS401H1, EAS402H1  
Japanese –EAS220Y1, EAS221H1, EAS320Y1, EAS460H1, EAS461H1  
Korean –EAS210Y1, half a credit of EAS211Y1, EAS212H1, EAS310Y1, EAS410Y1, and EAS416Y1

Students should note that the Language Citation is not equivalent to an academic program and that enrolment in a program is not necessary in order to earn the recognition bestowed by the Citation. Students interested in the Citation should apply to the EAS office.

## East Asian Studies Courses

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### First-Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### Core Courses

Core courses are instructed in English. Readings are available in English.

## **EAS103H1 Premodern East Asia [24L/12T]**

Examines how various histories of East Asia can be written by focusing on specific themes in the histories of China, Japan, and Korea to roughly 1600. Required of EAS specialists, majors, and minors.

Exclusion: EAS102Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS105H1 Modern East Asia [24L/12T]**

Examines how various histories of East Asia can be written by focusing on specific themes in the histories of China, Japan, and Korea from roughly 1600 to the Cold War. Required of EAS specialists, majors, and minors.

Prerequisite: EAS103H1

Exclusion: EAS102Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS209H1 Approaches to East Asia (formerly EAS209Y1) [24L/12T]**

Required of EAS specialists and majors, this course introduces various approaches, theories, and methodologies for the study of East Asian societies and cultures. As the course serves as a foundation for upper-level EAS courses, it should be taken as early as possible, preferably in the second year.

Prerequisite: EAS103H1, EAS105H1

Exclusion: EAS209Y1

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **Society-Culture Courses**

All Society-Culture courses are instructed in English. Readings are available in English translation unless otherwise indicated.

### **200-series courses**

#### **EAS214H1 Chinese Cultural History - Beginnings to Tang [24L]**

This course examines the cultural history of China from the earliest times to the 9th century, through political, religious, philosophical, literary, and artistic developments. Emphasis will be on the reading and interpretation of primary source texts.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

#### **EAS215H1 History of Chinese Thought: Tang through Ming Periods [24L]**

This course examines the vibrant middle period of Chinese history, a period in which some of the most distinctively traditional forms of thought, religious belief, artistic and literary expression, and scholarly practices emerged and developed. Topics include: the establishment of empire as a norm (and its implications); the rise of the literati and literati culture; the examination system; Neo-Confucian philosophy; visual culture; sciences of the body; and popular and print culture.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

#### **EAS219H1 Cultural History of Food in East Asia [24L]**

This course introduces historical, literary, and anthropological issues related to the consumption of food in East Asia. Through a wide variety of reading materials, it focuses on the relationship between various foodways and trade, ritual, religion, medicine, and cultural identity.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

#### **EAS230H1 Critical Approaches to Chinese Literature [24L]**

Examines key questions in Chinese literature from the earliest times to 1800. Texts include poetry and narratives in English translation. The course introduces important themes, approaches, and theories to help students understand the "how" and "why" of writing and literary form in China.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

#### **EAS235H1 Perceptions of China in Japanese Literature [24L]**

Lectures on Japanese literary negotiations with China, the Chinese and Chineseness, ranging from celebration of shared cultural practices and aestheticization of China to nativist resistance to Chinese cultural hegemony. Required readings are available in English translation, including Tale of Genji, Tale of Middle-Councillor Hamamatsu (medieval romance), Haku Rakuten (No Play), Battles of Coxinga (Kabuki play), Three-Cornered World (by Soseki), and Wild Goose (by Ogai).

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

#### **EAS241H1 History of Chinese Philosophy [39L]**

The course introduces the major philosophical traditions in China, such as Confucianism, Daoism, and Buddhism, and their historical development from ancient to modern times in four periods: the emergence of Confucianism, Daoism, and other minor schools; the introduction of Buddhism and the development of various sects of Chinese Mahayana Buddhism; the unfolding of neo-Confucianism; and the development of modern Chinese philosophy.

Exclusion: PHL237H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

#### **EAS242H1 Japanese Cinemas I: Film Form and the Problems of Modernity [36L/12T]**

This course investigates how film aesthetics relate to the most profound socio-historical problems of Japanese modernity. It also considers the ways various filmmakers employ cinematic form to engage the social problems of their moment. Part I focuses on the 1890s - 1950s.

Exclusion: EAS237Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

#### **EAS243H1 Japanese Cinemas II: Film Form and the Problems of Modernity [36L/12T]**

This course investigates how film aesthetics relate to the most profound socio-historical problems of Japanese modernity. It also considers how various film makers employ cinematic form to engage the social problems of their moment. Part II focuses on the 1960s - present.

Prerequisite: EAS242H1

Exclusion: EAS237Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS245H1 Premodern Japanese History [24L]**

A survey of the history of premodern Japan from earliest recorded histories to the establishment of the Tokugawa regime in the seventeenth century. Uses a wide range of translated primary Japanese texts to illuminate the emergence of cultural forms and their conjunction with social, economic, religious, and political trends.

Exclusion: EAS246H1 taken prior to 2010-11

Recommended Preparation: EAS103H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS246H1 Early Modern Japanese History [24L]**

A survey of the history of Japan from about 1600 until the disintegration of the Tokugawa regime in the mid-19th century. Uses a wide range of translated primary Japanese texts to illuminate the emergence of cultural forms and their conjunction with social, economic, religious, and political trends.

Recommended Preparation: EAS103H1/EAS105H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS247H1 History of Capitalism in Modern Japan [24L]**

This course provides a historical narrative of the development of the capitalist mode of production in Japan, from the mid-19th century to the present day. Readings include texts from various disciplines: economics, philosophy, social and labour history, and literature.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS251H1 Aesthetics and Politics in 20th Century Korea [24L]**

This lecture course examines key questions and texts in the history of literature from the Korean peninsula during the twentieth century, exploring how aesthetic form refracted the experiences of colonialism, division, and the formation of opposing nation-states.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS256H1 Chinese Literature (Pre-Qin to Tang) (formerly EAS336H1) [24L]**

A survey of major works in premodern Chinese literature, including poetry, essays, and short narratives from the pre-Qin through Tang eras (11th century BCE - 10th century CE).

Exclusion: EAS336Y1, EAS336H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS257H1 Chinese Literature (Song to Qing) (formerly EAS337H1) [24L]**

A survey of major works in premodern Chinese literature, including poetry, essays, short narratives and drama from the Song through Qing dynasties (10th - 19th centuries CE).

Exclusion: EAS337Y1, EAS337H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS271H1 20th Century Korean History [24L]**

A survey of the history of Korea from the Tonghak uprising and Sino-Japanese war of 1894-1895, through the colonial period, division, and to the civil war.

Exclusion: EAS271Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS273H1 Modern Chinese Cities [24L]**

This course offers a critical review of the history and historiography of modern Chinese cities. Focusing on the development of specific Chinese cities, the course emphasizes understanding the socio-cultural production of space as well as analytical reading of landscape, urban imagery, and urban writings.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS284H1 Modern Chinese Literature [24L]**

This course offers a critical examination of 20th-century Chinese literature, with a focus on the important developments of literary writing over time, from the inception of New Literature in the 1910s, the development of realism and modernism in the 1930s, to the emergency of post-revolution and postmodernist writings in the 1990s. Emphasis is placed on generating a dialogue on interpretations of key works.

Exclusion: EAS284Y1, EAS334Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS284Y1 Modern Chinese Literature [48L]**

This course offers a critical examination of 20th-century Chinese literature, with a focus on the important developments of literary writing over time, from the inception of New Literature in the 1910s, the development of realism and modernism in the 1930s, to the emergency of post-revolution and postmodernist writings in the 1990s. Emphasis is placed on generating a dialogue on interpretations of key works.

Exclusion: EAS284H1, EAS334H1, EAS334Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS289Y1 Environment and East Asia [48L]**

This course explores the environmental crisis in East Asia, with a special focus on its representations in the media, film, and literary writings.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

## **EAS295Y0 Selected Topics in East Asian Studies, 200-level [TBA]**

This course allows students to pursue the specialized study of specific topics tailored to the research and study opportunities available in Hong Kong and the expertise and interests of the instructor. Available only in the Woodsworth College Hong Kong Summer Program.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **EAS296H1 Topics in East Asian Studies [24L]**

An in-depth study of Chinese, Japanese or Korean culture, history and/or literature. Content depends on the instructor. See EAS website for details. When offered, the course will have a subtitle that describes its content.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **EAS297H1 Texts, Images and Objects in East Asia [24P]**

This course seeks to understand East Asian civilizations through texts, images, and objects exhibited at the Royal Ontario Museum (ROM). Students study various texts, paintings, bronzes, architecture, sculptures, porcelains, and other objects, and explore their historical, aesthetic, and critical meanings.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)



## EAS299Y1 Research Opportunity Program

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## 300-series courses

### EAS307H1 Chinese Political Philosophy [24S]

The course analyses the development of Chinese political philosophy from ancient times to the present day, focusing on Confucianism, Daoism, and Legalism and their relation to issues in political philosophy today.

Prerequisite: EAS241H1/PHL237H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### EAS309H1 Modern Chinese Prose [24S]

A survey of representative works of prose written by 20th-century Chinese writers. This course focuses on reading texts, as well as analyzing their textual structures, aesthetic values, and historical contexts.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### EAS311H1 A History of Japanese Monsters [24L]

This course examines the historical development of Japanese monsters, from roughly the 7th - 8th centuries to modern times. We focus on how the changing understanding of monsters in society has embodied certain fissures in Japanese culture, especially with regard to gender and class.

Recommended Preparation: EAS209H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### EAS314H1 Culture & World After Hiroshima & Nagasaki [24L]

Exploration of literature, film, and other cultural production related to the atomic bombing and other nuclear catastrophes from transnational, inter-Asia, and transpacific perspectives. Primarily focuses on, but not necessarily limited to, the cultural texts, intellectual concepts, and social thoughts generated out of the history of Hiroshima and Nagasaki atomic destruction.

Prerequisite: EAS209H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

### EAS315H1 The "Yellow Peril": Past & Present [24L]

Beginning with the Chinese Exclusion Acts, the Asian presence in North America has often been considered a serious social menace. This course explores the Asian/North American response to the past and present "Yellow Peril" constituted as a gendered, sexualized, classed, and racialized epistemological and affective structure of knowledge.

Prerequisite: EAS209H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

### EAS327H1 Japanese Fiction and the Nation [24L/4T]

Explores modern Japanese literature, with special attention given to literature's relation to the nation. Students explore how literature transforms throughout Japanese modernity and how its meaning and effects function to simultaneously solidify and fracture national identity.

Prerequisite: At least one course in literature or East Asian Studies

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### EAS330H1 Narrative Strategies in Modern Japanese Fiction [24L]

Discussion of narratives by modern Japanese authors with attention to issues in narratology and contemporary narrative studies such as: voice and perspective; gender and power relationships of the narrator-narratee-narrated; the act of narrating, writing, listening and reading; and metafictional paradox.

Prerequisite: At least one course in literature or East Asian Studies

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### EAS333H1 Modernism and Colonial Korea [24L]

This course considers the problem of colonial modernism through a close reading of literary and cultural texts from early 20th-century Korea. It asks what it means to enter modernity under colonial rule, and questions the relationship between imperialism, writing, and subjectivity. Topics include the role of literature in elaborating new concepts of subjectivity, literature and the fine arts as assimilatory practices, the emergence of urban space and reconfiguration of notions of the rural, and changing notions of time and space in the cultural products of nativism. Readings of literary works will be accompanied by showings of paintings and photographs from the period, as well as discussions of theoretical essays on modernism.

Prerequisite: EAS105H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### EAS334H1 Chinese Novels [24L]

This course explores the development of Chinese fiction from earliest times with emphasis on the twentieth century.

Exclusion: EAS284Y1, EAS334Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### EAS334Y1 Chinese Novels [48L]

This course explores the development of Chinese fiction from earliest times with emphasis on the twentieth century.

Exclusion: EAS284H1, EAS284Y1, EAS334H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### EAS338H1 Classical Daoism [48L/24P]

This course examines major issues of classical Daoist thought, such as Dao and cosmos, body and self, human nature, language and knowledge, and political visions. Based on both textual and ideological analysis of Daoist works such as the Laozi, the Zhuangzi, and Huanglao Daoist texts, to be updated with recently unearthed texts in silk and bamboo slips.

Prerequisite: PHL237H1/EAS241H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **EAS340H1 Topics in Chinese Society and Culture [24L]**

This course explores issues of identity, self, and community in a broad exploration of cultural transformation in China.

Exclusion: EAS340Y1

Recommended Preparation: EAS103H1/EAS105H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS340Y1 Topics in Chinese Society and Culture [48L]**

The course explores issues of identity, self, and community in a broad exploration of cultural transformation in China.

Exclusion: EAS340H1

Recommended Preparation: EAS103H1/EAS105H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS345Y1 The Rise of Greater China: Issues & Topics (formerly EAS345H1) [48L]**

This course looks at China from a regional perspective, with a focus on Taiwan, Hong Kong, and the Peoples Republic of China's economic integration. The role of Chinese communities globally and in Southeast Asia also receives attention.

Exclusion: EAS345H1

Recommended Preparation: One course on modern China or East Asia or equivalent

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS346H1 Self and Imagination in Premodern China [24L]**

This course explores the diverse ways in which subjectivity was conceived in premodern China (up to the 12th century) by way of various images thinkers invoked to make sense of it. Works studied include: Warring States philosophical treatises; Buddhist and religious Daoist texts on meditation and self-cultivation; literary theory and poetry; philosophical prose essays by literati; and paintings.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **EAS347H1 Everyday Life in Modern Japan [24L]**

The history of modern Japan as revealed by the problem of everyday life and its relationship to capitalism. Using a range of literary, philosophical, economic, and ethnographic materials that deal with the development of capitalism in Japan, Japanese colonialism, imperialism, and fascism, the course explores ways to specify and critique what is called everyday life.

Recommended Preparation: EAS247H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS348H1 Gift, Plunder, and Exchange: Japan and World History [24L]**

This course critically re-evaluates the history and historiography of Japanese capitalism, imperialism/colonialism, and world-empire through the lens of three, distinct "modes of exchange": gift, plunder, and commodity exchange. Inspired by Kojin Karatani's *The Structure of World History: From Modes of Production to Modes of Exchange* (2014), this course explores the emancipatory politics inherent in the critical analysis of modes of exchange, and takes up historical cases from Japan, Hokkaido, Okinawa, Taiwan, Korea, China, and the "Greater East Asian Co-Prosperity Sphere."

Prerequisite: EAS209H1/EAS247H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS349H1 Soundscapes and Modern China [24L]**

An introduction to sound studies through the case of modern China. The class surveys basic theories of sound studies. It investigates the technological, cultural, and social production of soundscapes in modern China. Topics include the invention of national language(s), the introduction of gramophone, radio, and sound cinema, and the relationship between sound, aesthetics, and power.

Prerequisite: EAS209H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS357H1 Mao's China and Beyond [24L]**

This course introduces major issues and events in contemporary Chinese history from the success of the Communist revolution in 1949 to China's postsocialist transitions in the 1980s and early 1990s. Topics include the development and victory of the Chinese Communist revolution, the rule and legacy of Mao Zedong (particularly the Hundred Flowers movement, the Great Leap Forward, and the Cultural Revolution), and economic reform and political repression in the era of Deng Xiaoping.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS358Y1 Classical Chinese I [48S]**

An introduction to the Classical Chinese language with emphasis on grammatical analysis and translation into English. Open only to EAS majors and specialists.

Prerequisite: at least 4 EAS half courses

Exclusion: EAS206Y1, EAS306Y1, EAS335Y1

Recommended Preparation: two or more years of Modern Standard Chinese

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS361H1 Zen Buddhism [24L]**

This course introduces the Zen Buddhist traditions of China, Korea, and Japan. Emphasis is placed on the radical views of history, language, ritual, self, and enlightenment espoused by these traditions. The course also examines issues related to Zen monasticism, the development of koans, and the definition of orthodoxy in both premodern and modern Zen. Students will be asked to explore these and other topics by paying close attention to the historical, doctrinal, and institutional contexts from which they arose.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **EAS362Y1 Classical Japanese [48S]**

Introduction to classical Japanese, followed by readings of various short works by classical authors.

Prerequisite: EAS220Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS363H1 Classical Japanese Part I [24S]**

Introduction to classical Japanese, followed by readings of various short works by classical authors. Covers first half of EAS362Y1.

Prerequisite: EAS220Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS364H1 China's Cultural Revolution: History and Memory [24L]**

No understanding of contemporary China is possible without understanding the ramifications of the Great Proletarian Cultural Revolution (1966-1976). This course considers this tumultuous episode as a field of historical research and conceptual inquiry. This course critically examines a wide variety of sources, including scholarly accounts, official documents, personal memoirs, oral histories, and literary works.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS365H1 Classical Japanese Part II [24S]**

Introduction to classical Japanese, followed by readings of various short works by classical authors. Covers the second half of EAS362Y1. Students must seek permission of the instructor to be placed in the course.

Prerequisite: EAS363H1, EAS220Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS366H1 Lovers and Madmen in Chinese Literature [24L]**

A thematic introduction to some of China's major literary texts by taking as our guide the lover and the madman as both writer and subject. We use the idea of lover and madman to explore issues such as social and behavioral boundaries, desire, violence, narrative compulsion, and the re-imagining of tradition.

Prerequisite: EAS209H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS372H1 The Postwar, Cold War and Divided Koreas [24L]**

This research-oriented course examines the divided history of the Korean peninsula since 1945 in the context of the global war. Examines key debates in the history of contemporary Korea, beginning with the Korean war and ending with the contemporary culture of division.

Prerequisite: EAS209H1

Exclusion: EAS372Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS372Y1 The Postwar, Cold War and Divided Koreas [48L]**

This research-oriented course examines the divided history of the Korean peninsula since 1945 in the context of the global war. Examines key debates in the history of contemporary Korea, beginning with the Korean war and ending with the contemporary culture of division.

Prerequisite: EAS209H1

Exclusion: EAS372H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS374H1 Modern Japan and Colonialism [24L]**

This course interrogates the history of modern Japan from the perspective of Japan's colonial exploits in East Asia. The course also addresses the political economy and culture of the military occupation of Japan by the Supreme Command of the Allied Powers. Texts from economics, philosophy, and literature will be used.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS375H1 Postwar Japan: Crisis, Apocalypse [24L]**

This course explores the history of the postwar period in Japan and its former colonies in order to delineate a way to think of the idea of apocalypse in relation to crisis in advanced capitalism. Through an examination of the history of capitalist crisis in postwar Japan, the course investigates themes of apocalypse in atomic-bomb literature, television, Godzilla, radical students movements, ecological-industrial disasters, worker art movements, debates on modernity and fascism, avant-garde theatre, popular music, religious movements, nationalism, populism, and the so-called "ageing population" problem. The course revolves around texts by philosophers, economists, novelists, essayists, artists, and critics, as well as film and audio recordings.

Exclusion: EAS347H1, EAS374H1

Recommended Preparation: EAS247H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS378H1 Edo, Osaka, and Kyoto: Urban Life in Early Modern Japan [24L]**

An exploration of most important cities of Tokugawa Japan. Among the largest cities of the early modern world, the three were home to a vibrant urban culture and remarkable economic activity. The framework is historical, but the texts will be diverse; buildings, maps, screen paintings, prints, film, and novels will be studied.

Prerequisite: EAS209H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS384H1 Medieval Japan [24L]**

In popular culture medieval Japan often figures as an era of unremitting warfare, in which only samurai mattered. This course offers more balanced view of what many historians regard as the most volatile, yet also most creative, era in Japanese history. The course examines the era from 1100-1500 with an eye to understanding the place of warriors, but also to explaining the incredible cultural advances of the period, which gave rise to many of the arts for which Japanese culture is renowned.

Prerequisite: EAS103H1/EAS105H1

Recommended Preparation: EAS245H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS386Y1 Culture of Nature in China [48L]**

The course examines the cultural practice of nature in China's past and present, focusing on literary, artistic, spiritual, ethical, political, and scientific aspects of human-nature relation. The content includes various scholarly and primary sources with special emphasis on eco-critical approach and methods of textual and historical study.

Prerequisite: EAS209H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS388H1 Asian/North American Feminist Issues [24L]**

A transpacific examination of gender and sexuality issues that have directly and indirectly affected Asians and Asian North Americans. Considers, for example, the gender and sexual representations of Asia in North America, the psycho-history of the "Yellow Peril" and its ramifications beyond Asian North Americans, and the history of immigration, nationalism, colonialism, war, and the militarized empire.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS393H1 Topics in Buddhism [24L]**

Topics vary according to the instructor's interests.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **EAS393Y1 Topics in Buddhism [48L]**

Topics vary according to the instructor's interests.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **EAS394H1 Film Culture in Contemporary China [36L]**

This course discusses documentary film and DV culture in contemporary China as forms of cultural, communal, and political practices. We focus on films and videos that seek to address important global issues such as peace, environment, and climate change in cross-media approach and in personal tone. We ask: What new tendencies are there in the films and videos? Where can we trace them back to? What fresh possibilities do they bring forth to our aesthetic and public life?

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS395Y0 Selected Topics in East Asian Studies**

This course allows students to pursue the specialized study of topics tailored to the research and study opportunities available in Hong Kong and the expertise and interests of the instructor. Available only in the Woodsworth College Hong Kong Summer Program.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **EAS396H1 Topics in East Asian Studies [24L]**

An in-depth study of Chinese, Japanese or Korean culture, history and/or literature. Content depends on the instructor. See EAS website for details. When offered, the course will have a subtitle that describes its content.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **EAS397H1 Literary Lives in Late Imperial China [24L]**

In-depth examination of five to six selected men and women through close reading of their literary repertoire and through biography and autobiography. The material will introduce concepts such as memory, literati identity, aesthetic theories, gender, and social transformations in the Ming and Qing period.

Prerequisite: EAS209H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS398H0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **EAS399Y0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **400-series courses**

### **EAS406Y1 Thinking about Things: Material Culture in East Asia [48S]**

This seminar explores theories of the object, the histories of objects in East Asia, and critical thinking about the process of research. Through theoretical readings, class, and individual research projects, the seminar asks how to formulate research questions, use the internet and other resources, and present discoveries in a class conference.

Prerequisite: EAS209H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **EAS407H1 Textual Analysis of Classical Chinese Philosophy [24S]**

Readings from ancient and medieval Chinese philosophy. Beginning with linguistic (especially semantic) analysis of key words, structure and meaning of sentences, paragraphs, and texts as a whole, which forms the basis for philosophical examination.

Prerequisite: PHL237H1/EAS241H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### **EAS408H1 Modern Taiwanese Literature [24S]**

A general survey of modern Taiwanese literature from 1949 to the present. It examines issues central to understanding the Taiwanese literary culture, such as historical/cultural context, oral/written language, self-identification, gender, and human rights.

Prerequisite: EAS209H1/2.0 FCEs in literature

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **EAS409H1 Cities in Premodern China [24S]**

Focusing on selected Chinese cities from the earliest history to 1800 CE, this course introduces students to different aspects of urban life and its representations in literature and history.

Prerequisite: EAS103H1, EAS209H1

Exclusion: EAS367H1

Recommended Preparation: Some familiarity with Chinese history in the middle period

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **EAS411H1 Art and Archaeology of Early China I [24P]**

This course explores development of ancient societies from prehistory to the Bronze Age of China, with a focus on recent archaeological discoveries. The course offers students an understanding of the origins and formation of Chinese civilizations.

Prerequisite: Third- or fourth-year Arts & Science students, EAS209H1/ANT100Y1/ANT200Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **EAS412H1 Technology and Material Cultures of Ancient China [24P]**

This course introduces the technology and material culture of prehistoric and Bronze-Age China. Offers students an understanding of the development of ancient technologies (e.g. bronze, jade, and lacquer) and associated ways of life from archaeological perspectives.

Prerequisite: Fourth-year Arts & Science students, EAS209H1/ANT100Y1/ANT200Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS413H1 Medieval Chinese Civilization [24S]**

This course explores the intellectual culture of the Six Dynasties in China (3rd through 6th centuries CE), a period in which many new forms of thought and expression flourished. Texts include historical anecdotes, Buddhist and Daoist scriptures, self-cultivation manuals, philosophical exegeses, and treatises on music, art, and poetics.

Prerequisite: EAS209H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS414H1 Bodily/Mental Health in Chinese Philosophy [24S]**

Textual and conceptual analysis of theories and practices related to physical health and mental sanity in Chinese philosophical schools such as Confucianism, Daoism, and Chinese Mahayana Buddhism.

Prerequisite: PHL237H1/EAS241H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS417H1 Korean Literary Translation Workshop [24L]**

A workshop format is used to explore problems encountered when translating Korean literary texts (fiction and poetry) into English. Practice with a variety of texts is accompanied by readings in translation theory to refine our understanding of translation and enrich our experience working with historical forms of Korean and English.

Prerequisite: EAS310Y1 or its equivalent

Recommended Preparation: EAS410Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS418H1 Topics in Chinese Art Theories [24S]**

This course focuses on theories of Chinese arts by critically analyzing various theoretical texts and treatises on music, painting, calligraphy, and literature as recorded in the Classics.

Prerequisite: EAS209H1

Recommended Preparation: Knowledge of Chinese language

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS419H1 Chinese Cultural Studies Seminar: May Fourth [24L]**

This seminar focuses on the May Fourth Movement in early twentieth century China. Taking May Fourth as a case study and a vantage point, this class enables a critical understanding of various aspects of the cultural and intellectual life in the early Republican period.

Prerequisite: EAS105H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS420H1 Travels, Travelers, and Travel Accounts in Asia [24S]**

This seminar focuses on the circulation of people, words, and ideas throughout Asia before 1900, as we try to understand the worlds travelers both sought and encountered. Texts include travel diaries and geographical narratives.

Prerequisite: EAS209H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS431H1 Advanced Topics in Japanese Cinema [24S]**

The focus ranges from the examination of cross-cultural theoretical problems (such as Orientalism) to a director-based focus, from the examination of genre (such as documentary or the category of genre itself) to the way film intersects with other cultural forms and technologies (such as video and new media).

Prerequisite: EAS242H1/EAS243H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS432H1 Korean Cultural Studies Seminar [24S]**

This seminar provides an opportunity for in-depth reading and research into a specific topic in the cultural and intellectual history of Korea. Topics will vary each semester but may include colonial period print culture, the New Woman, the history of photography, and modernism.

Prerequisite: Permission of the instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS438H1 Architecture in Premodern China [24S]**

Survey of China's architecture from the Song dynasty. Subjects include design (including fengshui); role of architects and craftsmen; building techniques and materials; and logistics and financing of building projects. This seminar is based on readings of primary texts (Yingzao fashi, Lu Ban jing, geomantic treatises) and visits to the Royal Ontario Museum.

Prerequisite: EAS209H1

Recommended Preparation: Knowledge of Chinese language

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS439H1 The Global Bildungsroman: Narratives of Development, Time, and Colonialism [24S]**

This course studies Bildungsroman, the story of an individual's coming of age, in the context of twentieth-century political, cultural, and social developments of imperialism, anti-colonialism, human rights discourse, and globalization. Our focus will be novels from the (post)colonial world and theoretical essays on the Bildungsroman form. The course aims to provide a model for rethinking literary history and genres within a global context. Authors may include Yi Kwangsu, Wu Zhouliu, Pramodya Ananta Toer, Kang Younghill, Tsitsi Dangarembga, Camara Laye, amongst others.

Prerequisite: EAS209H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS444H1 The City, Body and Text in Modern Japanese Literature [24S]**

This course examines how the city and body exert formative forces on the text, and how the practice of writing and reading texts informs the ways we, as corporeal beings, experience the city as manifested in the 20th-century Japanese literature.

Prerequisite: EAS209H1 & at least one course in literature, cinema, or visual art

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

# East Asian Studies

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## **EAS447H1 Sound Studies and Modern Japan [24S]**

This seminar explores the growing field of sound studies with particular attention given to auditory histories and cultures in modern Japan and the prewar Japanese empire in East Asia. We study the interrelationships between industrialization, mass culture, colonialism, and techniques and processes of reproducing sound in order to specify the status of acoustic and sonic mediation in everyday life in a capitalist commodity economy.

Prerequisite: EAS209H1 and EAS247H1/EAS347H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS448H1 East Asian Studies Archive: Language, Number, Money [24S]**

This course investigates salient problems of the historical archive in relation to the experience of modernity in East Asian societies. What is the meaning of the modern archive in East Asia? How is the knowledge of the modern archive produced in relation to the production of quantitative knowledge (e.g., in demographic or economic statistics)? How should we approach the relationship between number and language? How is this knowledge transformed into state knowledge as well as into what we call common sense?

Prerequisite: EAS209H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS449H1 Future, Architecture, Japan [24L]**

Examination of how the future is imagined and materialized in architectural theory and practice throughout Japanese history. From classical temples to modernist experiments of the Metabolist movement to contemporary works by Isozaki Arata and Atelier Bow Wow, we study built and unbuilt structures as theories of the future.

Prerequisite: EAS209H1/ARC221H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS454H1 Special Topics in Modern Chinese History [24S]**

A selective survey of major historiographical problems and debates in the fields of late 19th and 20th century Chinese history. Course readings will include both theoretical and historical materials.

Prerequisite: EAS209H1

Recommended Preparation: EAS209H1, HIS280Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS455H1 Classical Confucianism [24S]**

This course explores the historical and systematic aspects of classical Confucianism, which is fundamental for understanding Chinese philosophy and culture. The historical part discusses the development of the Confucian doctrine from Confucius to his generations of disciples. The systematic part engages issues such as emotion, art, poetry, morality and virtues, political philosophy, and knowledge and reality.

Prerequisite: EAS241H1/PHL237H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **EAS456H1 Japan as seen by ?: Reference, Apparatus, Operation [24S]**

The course discusses how images of Japan, charged with varied degrees of desire for empirical knowledge, have contributed to contemporary novels and plays by David Mitchell, Ruth L. Ozeki, David Mamet, Joy Kogawa, Kazuo Ishiguro, Marguerite Duras, and David Hwang.

Prerequisite: EAS209H1

Distribution Requirement Status: Humanities

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Breadth Requirement: Creative and Cultural Representations (1)

## **EAS457H1 Special Topics in Modern Japanese History [24S]**

An analysis of contemporary monographs on modern Japanese history. This course offers a critical survey of existing methodologies of and approaches to writing about modern Japan.

Prerequisite: EAS247H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS458H1 Classical Chinese II (formerly EAS306Y1) [24S]**

As a continuation of EAS358Y1 (formerly EAS206Y1), this course helps students to gain in-depth control of grammatical structures of classical Chinese and to read texts with greater ease. Requirements include a major research/translation project. Open only to EAS majors and specialists.

Prerequisite: EAS358Y1 (minimum 79%)

Exclusion: EAS306Y1, EAS335Y1

Recommended Preparation: three or more years of Modern Standard Chinese, EAS358Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS459Y1 Rethinking the Cold War in East Asia [48S]**

This research course examines the ways our historical understanding of the Cold War in East Asia has shifted over the last twenty years.

Focusing primarily on the divided Korean peninsula where it can be said the Cold War still rages, the course examines the mutual constitution of two competing regional political economies rooted in a shared commitment to developmentalism.

Prerequisite: EAS271H1

Recommended Preparation: EAS209H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS464H1 The Korean War [24S]**

An advanced research seminar on the Korean War.

Prerequisite: EAS271H1

Recommended Preparation: EAS209H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS465H1 Domesticity and Family in 20th Century East Asia [24S]**

A comparative study of the history of domesticity and family in modern East Asia.

Prerequisite: EAS209H1

Recommended Preparation: EAS209Y1/H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS466H1 History, Everyday Life, and North Korea [36S]**

This essay-driven course explores the complexity of examining North Korean history by using comparative methods developed through the study of other socialist societies and theories of everyday life.

Prerequisite: EAS209H1, EAS271H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS467H1 Photographic Narratives of Japan [24S]**

Uses seminal theoretical literature, photo roman (by, e.g., Abe, Nakagami) and narratives about photography (by, e.g., Tanizaki, Mishima, Kanai) to examine the rhetorical complicity and coercion of the two modes of representation which emerged in the modern and nationalistic age, and persist, in the wake of the newer media, as dominant registers of everyday life and departures from there.

Prerequisite: EAS209H1 & at least one course in humanities (literature, art history, philosophy) or reading proficiency in Japanese

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS471H1 Issues in the Political Economy of South Korea [24S]**

A course designed to guide students toward a research paper on a selected topic of interest on the postwar political economy of South Korea.

Prerequisite: EAS209H1/EAS271H1

Exclusion: EAS471Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS471Y1 Issues in the Political Economy of South Korea [48S]**

A course designed to guide students toward a research paper on a selected topic of interest on the postwar political economy of South Korea.

Prerequisite: EAS209H1/EAS271H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS473H1 Modern Korean History Seminar [24S]**

An examination of recent literature in the modern Korean history field, focusing especially on the late 19th and 20th centuries.

Prerequisite: EAS271H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS474H1 U.S. and Canada's Wars in Asia [24S]**

This course examines the cultural and social legacies of the 19th- and 20th-century hot and cold wars fought by the U.S. and Canada in different parts of Asia. It explores film, literature, and other cultural products that came out of the transpacific violence and its aftermath.

Prerequisite: EAS209H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS475Y1 Issues in East Asian Historiography [48L]**

This course analyses select topics in the historiography of East Asian. Students are expected to write a major research paper.

Prerequisite: EAS209H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS478Y1 Samurai Culture [48S]**

An intensive seminar exploring one of Japan's most recognizable figures, the samurai. This course investigates the historical reality of warrior life along with the legends, with focus on the ways in the warrior's world found expression in religion, art, and literature.

Prerequisite: EAS209H1, EAS245H1/EAS246H1/EAS247H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS479H1 Ecocriticism [24L]**

The course aims to establish students' ability to engage with core ecological agendas with methodology of cultural history and literary and visual analysis.

Prerequisite: EAS209H1

Recommended Preparation: At least one 300-level EAS course

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS484Y1 The Japanese Empire [48S]**

This course surveys historical literature on the Japanese Empire. A reading and writing course intended for EAS majors and specialists.

Prerequisite: EAS209H1

Recommended Preparation: Courses in modern East Asian history.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **EAS495Y1 Advanced Topics in East Asian Studies [48S]**

An in-depth study of Chinese, Japanese or Korean culture, history and/or literature. Content depends on the instructor.

Prerequisite: EAS209H1

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **EAS496H1 Advanced Topics in East Asian Studies [24S]**

An in-depth study of Chinese, Japanese or Korean culture, history and/or literature. Content depends on the instructor.

Prerequisite: EAS209H1

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **EAS497H1 Beyond Orientalism [24S]**

This course confronts the Orientalist view of the world by looking at one Asian nation regularly exempted from that paradigm: Japan. By examining, among other topics, Japan's emperor system, its construction of a national history, and its own imperialism, this course hopes to point toward alternative ways of thinking about East and West.

Prerequisite: Permission of the instructor

Recommended Preparation: EAS209H1 & five EAS courses

Distribution Requirement Status: Humanities

## **Independent Studies**

### **EAS434H1 Independent Studies [TBA]**

A scholarly project chosen by the student, approved by the Department, and supervised by one of its instructors. Consult the website ([eas.utoronto.ca](http://eas.utoronto.ca)) for more information. Not eligible for CR/NCR option.

Prerequisite: EAS209H1 & five EAS courses

Distribution Requirement Status: Humanities

Breadth Requirement: None

### **EAS435H1 Independent Studies [TBA]**

A scholarly project chosen by the student, approved by the Department, and supervised by one of its instructors. Consult the website ([eas.utoronto.ca](http://eas.utoronto.ca)) for more information. Not eligible for CR/NCR option.

Prerequisite: EAS209H1 & five EAS courses

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **EAS436Y1 Independent Studies [TBA]**

A scholarly project chosen by the student, approved by the Department, and supervised by one of its instructors. Consult the website ([eas.utoronto.ca](http://eas.utoronto.ca)) for more information. Not eligible for CR/NCR option.  
Prerequisite: EAS209H1 & five EAS courses  
Distribution Requirement Status: Humanities  
Breadth Requirement: None

## **Language Courses**

The department reserves the right to place students in the language course appropriate to their level of language skill. In most cases, students must attend a mandatory interview or take a placement test in order to enrol in a language course. Please see <http://eas.utoronto.ca> for details. A student who enrolls in an EAS language course and is subsequently discovered to have prior background and/or higher language competency than is appropriate for the course may be removed at the discretion of the Department.

## **Chinese**

### **EAS100Y1 Modern Standard Chinese I [52T/52S]**

Intended for students with no background in Mandarin or any Chinese dialect, this course provides an introduction to modern standard Chinese as a foreign/second language. The course consists of mandatory lectures and tutorials. Students study a minimum of 550 Chinese characters. Students must complete the EAS100Y Screening Form at the time of enrollment in the course. See [www.eas.utoronto.ca/languages/chinese](http://www.eas.utoronto.ca/languages/chinese) for details.  
Exclusion: EAS101Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

### **EAS101Y1 Modern Chinese I for Students with Prior Background [26T/52S]**

This course is designed for students who understand elementary Mandarin or any Chinese dialect because of their cultural or family backgrounds. The course consists of mandatory lectures and tutorials. Students will learn a minimum of 650 characters. Interviews are required of all students who wish to enrol in the course. See [www.eas.utoronto.ca/languages/chinese](http://www.eas.utoronto.ca/languages/chinese) for details.  
Exclusion: EAS100Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

### **EAS200Y1 Modern Standard Chinese II [52T/52S]**

This course is a continuation of EAS100Y1. Students learn major grammatical structures which are not introduced in the first year and expand their vocabulary. Interviews are required of students who wish to enrol in the course, except for students who have the minimum grade in the prerequisite. See [eas.utoronto.ca/languages/chinese](http://eas.utoronto.ca/languages/chinese) for details.  
Prerequisite: EAS100Y1 (minimum grade 67%)/equivalent as determined by a Chinese placement interview  
Exclusion: EAS101Y1, EAS201H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

### **EAS201H1 Modern Chinese II for Students with Prior Background (formerly EAS201Y1) [26T/52S]**

This course is a continuation of EAS101Y1. It focuses on development of students' listening, speaking, reading, and writing skills at a low intermediate level. Interviews are required of students who wish to enrol in the course, except for students who have the minimum grade in the prerequisite. See [www.eas.utoronto.ca/languages/chinese](http://www.eas.utoronto.ca/languages/chinese) for details.  
Prerequisite: EAS101Y1 (minimum 67%)/equivalent as determined by the Chinese placement interview  
Exclusion: EAS200Y1, EAS201Y1, EAS290Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

### **EAS300Y1 Modern Standard Chinese III [104S]**

This high intermediate-level course is a continuation of EAS200Y1. Students learn to read short texts which deal with personal or social topics, compose paragraph-length essays, and converse in social situations which require exchanges of basic information. Interviews are required of students who wish to enrol in the course, except for students who have the minimum grade in the prerequisite. See [www.eas.utoronto.ca/languages/chinese](http://www.eas.utoronto.ca/languages/chinese) for details.  
Prerequisite: EAS200Y1 (minimum 70%)/EAS201Y1 or EAS201H1 (minimum 70%)/equivalent as determined by the Chinese placement interview  
Exclusion: EAS290Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

### **EAS401H1 Modern Standard Chinese IVa [52S]**

This course aims to develop students' abilities at an advanced level, with a focus on reading of fictional and/or journalistic writings. Students will improve their reading comprehension, strengthen writing skills, and advance speaking and listening skills through class discussions and oral presentations. Interviews are required of students who wish to enrol in the course, except for students who have the minimum grade in the prerequisite. See [www.eas.utoronto.ca/languages/chinese](http://www.eas.utoronto.ca/languages/chinese) for details.  
Prerequisite: EAS300Y1 (minimum 73%)/EAS402H1 (minimum 73%)/equivalent as determined by the Chinese placement interview  
Exclusion: EAS290Y1, EAS400Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

### **EAS402H1 Modern Standard Chinese IVb [52S]**

This course aims to develop students' language abilities at an advanced level, with a focus on reading argumentative-style essays and news. Students will improve their reading comprehension, strengthen writing skills, and advance speaking and listening skills through class discussions and oral presentations. Interviews are required of students who wish to enrol in the course, except for students who have the minimum grade in the prerequisite. See [www.eas.utoronto.ca/languages/chinese](http://www.eas.utoronto.ca/languages/chinese) for details.  
Prerequisite: EAS300Y1 (minimum 73%)/EAS401H1 (minimum 73%)/equivalent as determined by the Chinese placement interview  
Exclusion: EAS290Y1, EAS400Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **Japanese**



## **EAS120Y1 Modern Standard Japanese I [48L/72T]**

This course is for students with no or a very limited background in Japanese. Students must complete the EAS120Y Screening Form at the time of enrollment in the course. See

<http://www.eas.utoronto.ca/languages/japanese/> for details.

Exclusion: EAS121H1, EAS122Y0

Recommended Preparation: Learning the Japanese alphabets (hiragana & katakana)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS121H1 Japanese I for Students with Prior Background [24L/36T]**

This course is equivalent to the second half of EAS120Y1 for students with some background in the Japanese language. Students must pass the placement test to enroll in the course. See

<http://www.eas.utoronto.ca/languages/japanese/> for details.

Exclusion: EAS120Y1, EAS222Y0

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS122Y0 Summer Japanese in Japan I [TBA]**

This course is available in the Summer Abroad Program for students with no or a very limited background in Japanese. Those who have successfully completed this course may be able to take EAS121H1 or EAS220Y1 based on the result of a placement test. See

<http://summerabroad.utoronto.ca/programs/japan/> for details.

Prerequisite: Passing the placement test at ICU

Exclusion: EAS120Y1

Recommended Preparation: Learning the Japanese alphabets (hiragana & katakana)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS220Y1 Modern Standard Japanese II [72L/48T]**

This is an advanced beginner level language course for those who completed EAS120Y1 or EAS121H1 with a minimum grade of 67%.

Those who have not taken one of these courses or did not achieve the required grade must pass the placement test to enroll in the course. See

<http://www.eas.utoronto.ca/languages/japanese/> for details.

Prerequisite: EAS120Y1/EAS121H1 (minimum 67%)

Exclusion: EAS223Y0

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS221H1 Modern Standard Japanese II for Students with Prior Background [24L/36T]**

This course is equivalent to the second half of EAS220Y1. Designed for those who have a good foundation of lower beginners' grammar, vocabulary, and kanji knowledge and have not yet acquired the proficiency required to take EAS320Y1. Students must pass the placement test to enroll in the course. See

[www.eas.utoronto.ca/languages/japanese/](http://www.eas.utoronto.ca/languages/japanese/) for details.

Prerequisite: Placement test

Exclusion: EAS220Y1/EAS223Y0

Recommended Preparation: The first half of the content covered in EAS220Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS222Y0 Summer Japanese in Japan IIa [TBA]**

This course is available in the Summer Abroad Program for students who have some prior background in the language. Students should already be familiar with hiragana, katakana and some kanji as well as basic sentence patterns. Those who have successfully completed this course may be able to take EAS220Y1 or EAS320Y1 based on the result of a placement test. See <http://summerabroad.utoronto.ca/programs/japan/> for details.

Prerequisite: Passing the placement test at ICU

Exclusion: EAS120Y1, EAS121H1

Recommended Preparation: Two-thirds of the content covered in EAS120Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS223Y0 Summer Japanese in Japan IIb [TBA]**

This course is available in the Summer Abroad Program for students who have completed EAS120Y1 or EAS121H1 or equivalent. Those who have successfully completed this course may be able to take EAS320Y1 based on the result of a placement test. See

<http://summerabroad.utoronto.ca/programs/japan/> for details.

Prerequisite: Passing the placement test at ICU

Exclusion: EAS220Y1

Recommended Preparation: One-third of the content covered in EAS220Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS320Y1 Modern Standard Japanese III [120S]**

This is a lower intermediate level course for those who have completed EAS220Y1 with a minimum grade of 70%. Those who have not taken EAS220Y1 or did not achieve the required grade must pass the placement test to enroll in the course. See

<http://www.eas.utoronto.ca/languages/japanese/> for details.

Prerequisite: EAS220Y1 (70% minimum)

Exclusion: EAS348H1, EAS349H1, EAS322Y0

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS321Y0 Summer Japanese in Japan IIIa [TBA]**

This is a lower intermediate Japanese course available in the Summer Abroad for students who have completed EAS220Y1 or equivalent.

Those who have successfully completed this course may be able to take EAS320Y1, EAS460H1, or EAS461H1 based on the result of a placement test; for EAS460H1 an interview will also be required. See

<http://summerabroad.utoronto.ca/programs/japan/> for details.

Prerequisite: Passing the placement test at ICU

Recommended Preparation: Material covered in EAS220Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS322Y0 Summer Japanese in Japan IIIb [TBA]**

This is a lower intermediate Japanese course available in the Summer Abroad program. Those who successfully complete this course may be able to take EAS460H1 or EAS461H1 based on the result of the placement test and/or interview. See

<http://summerabroad.utoronto.ca/programs/japan/> for details.

Prerequisite: Passing the placement test at ICU

Exclusion: EAS320Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS460H1 Modern Standard Japanese IVa [48S]**

This is a high intermediate level Japanese course that focuses on oral/aural communication. Native or near-native speakers are not permitted to take this course. Those who have not passed EAS320Y1 or did not achieve the required grade must take the placement test to enroll in this course. See <http://eas.utoronto.ca> for details.

Prerequisite: EAS320Y1 (70% minimum)

Exclusion: EAS460Y1,EAS463Y0

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS461H1 Modern Standard Japanese IVb [48S]**

This is a high intermediate level Japanese course that focuses on reading and writing skills. Native or near-native speakers are not permitted to take this course. Those who have not passed EAS320Y1 or did not achieve the required grade must take the placement test to enroll in this course. See <http://www.eas.utoronto.ca/languages/japanese/> for details.

Prerequisite: EAS320Y (70% minimum)

Exclusion: EAS461Y1,EAS463Y0

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS462Y0 Summer Japanese in Japan IVa [TBA]**

This is an upper intermediate level Japanese course available only in the Summer Abroad Program. Those who have successfully completed this course may be eligible to take EAS460H1 and/or EAS461H1 depending on the result of a placement test; for EAS460H1 an interview will also be required. See <http://summerabroad.utoronto.ca/programs/japan/> for details.

Prerequisite: Passing the placement test at ICU

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS463Y0 Summer Japanese in Japan IVb [TBA]**

This is an advanced Japanese course available only in the Summer Abroad Program for those who have completed a course equivalent to EAS460H1 or EAS461H1. See

<http://summerabroad.utoronto.ca/programs/japan/> for details.

Prerequisite: Passing the placement test at ICU

Exclusion: EAS460H1,EAS461H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS464Y0 Summer Japanese in Japan IV-c [TBA]**

This is an advanced Japanese course available in the Summer Abroad Program for those who have completed EAS460H1 or EAS461H1 or equivalent. See <http://summerabroad.utoronto.ca/programs/japan/> for details.

Prerequisite: Passing the placement test at ICU

Exclusion: EAS460H1,EAS461H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **Korean**

## **EAS110Y1 Modern Standard Korean I [48T/48S]**

This course is designed to help students build communication skills in the Korean language. Through an integration of listening, speaking, reading and writing, it aims to provide a solid foundation in beginning-level Korean. This course assumes that students do not have any prior knowledge of Korean. Interviews are required of all students who wish to enrol or have enrolled in the course. See [www.eas.utoronto.ca/languages/korean](http://www.eas.utoronto.ca/languages/korean) for details.

Exclusion: EAS211Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS210Y1 Modern Standard Korean II [48T/48S]**

As a continuation of EAS110Y1, this course is designed to help students improve their skills in the Korean language. Students in this course are expected to perform basic communicative functions, read and write paragraph-level texts, and conjugate verbs/adjectives accurately. Interviews are required of all students who wish to enrol in the course. See [www.eas.utoronto.ca/languages/korean](http://www.eas.utoronto.ca/languages/korean) for details.

Prerequisite: EAS110Y1 (63% minimum)/equivalent as determined by the Korean placement interview

Exclusion: EAS211Y1,EAS212H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS211Y1 Accelerated Modern Standard Korean I & II [96L]**

Covering both EAS110Y1 and EAS210Y1, the course is ideal for self-motivated students who enjoy fast-paced language learning, students with a passion for Korean films and television, students with some listening and speaking skills from prior study or family background, and students taking the full four-year course series. Successful completion of the course fulfils the prerequisite for EAS310Y1. Interviews are required of all students who wish to enrol or have enrolled in the course. See [www.eas.utoronto.ca/languages/korean](http://www.eas.utoronto.ca/languages/korean) for details.

Exclusion: EAS110Y1,EAS210Y1,EAS212H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS212H1 Accelerated Modern Standard Korean II [48L]**

As a continuation of EAS110Y1, this course is designed to help students increase their Korean communication skills at beginner high to intermediate low levels. It is ideal for self-motivated students who enjoy fast-paced language learning, and students who have built basic language skills from prior study. Successful completion of the course fulfils the prerequisite for EAS310Y1. Interviews are required of all students who wish to enrol in the course. See [www.eas.utoronto.ca/languages/korean](http://www.eas.utoronto.ca/languages/korean) for details.

Prerequisite: EAS110Y1 (70% minimum)/equivalent as determined by the Korean placement interview

Exclusion: EAS210Y1,EAS211Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **EAS310Y1 Modern Standard Korean III [96S]**

As a continuation of EAS210Y1 and EAS211Y1, this course is designed to help students improve their Korean proficiency at the intermediate level. The class focuses not only on oral fluency and grammar but also on reading comprehension. Interviews are required of all students who wish to enrol in the course. See [www.eas.utoronto.ca/languages/korean](http://www.eas.utoronto.ca/languages/korean) for details.

Prerequisite: EAS210Y1/EAS211Y1/EAS212H1 (67%

minimum)/equivalent as determined by the Korean placement interview

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**EAS410Y1 Modern Standard Korean IV [96S]**

As a continuation of EAS310Y1, this course is designed for advanced-level learners of Korean. Through reading short essays/articles and watching films, this course aims to improve students' proficiency in speaking, writing, listening, and reading. Classroom and online discussions are conducted entirely in Korean. Interviews are required of all students who wish to enrol in the course. See [www.eas.utoronto.ca/languages/korean](http://www.eas.utoronto.ca/languages/korean) for details.

Prerequisite: EAS310Y1 (70% minimum)/equivalent as determined by the Korean placement interview

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**EAS416Y1 Academic and Professional Korean [96S]**

This course aims to assist students to upgrade their language proficiency for academic and professional purposes. It is ideal for students who seek career opportunities in Korea-related business or in higher education in Korean studies. Emphasis is on comprehension and composition of academic and business texts and preparation for Korean proficiency tests. Interviews are required of all students who wish to enrol in the course. See [www.eas.utoronto.ca/languages/korean](http://www.eas.utoronto.ca/languages/korean) for details.

Prerequisite: EAS310Y1 (70% minimum)/equivalent as determined by the Korean placement interview

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

S.I. Wright, M Sc, Ph D

## Faculty

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### Professors Emeriti

P.A. Abrams, BS, Ph D, FRSC  
D.R. Brooks, MS, Ph D, FRSC  
D.G. Butler, M Sc, Ph D, D Sc, FRSA  
T.J. Carleton, B Sc, Ph D  
C.S. Churcher, M Sc, Ph D  
N.G. Dengler, MS, Ph D  
S.S. Desser, M Sc, Ph D  
T.A. Dickinson, B Sc, Ph D  
D.W. Dunham, BS, Ph D  
J.B. Falls, BA, Ph D  
R.I.C. Hansell, B Sc, Ph D  
H.H. Harvey, M Sc, Ph D  
R.C. Plowright, MA, Ph D  
H.A. Regier, MS, Ph D  
J.D. Rising, BA, Ph D  
G.M. Telford, B Sc, Ph D  
A. P. Zimmerman, BA, Ph D

### University Professors

S.C.H. Barrett, B Sc, Ph D, FRSC, FRS  
M.B. Sokolowski, B Sc, Ph D, FRSC

### Professor and Chair of the Department

D.A. Jackson, M Sc, Ph D

### Professor and Associate Chair, Graduate Studies

F.H. Rodd, M Sc, Ph D

### Professors

A. Agrawal, B Sc, Ph D  
M.-J. Fortin, M Sc, Ph D  
M.R. Gross, B Sc, Ph D  
D.A. McLennan, M Sc, Ph D  
R. Murphy, MA, Ph D  
L. Rowe, B Sc, Ph D  
R.F. Sage, MS, Ph D  
J.R. Stinchcombe, BA, Ph D  
J.D. Thomson, MS, Ph D, FRS  
A.E. Weis, BA, Ph D

### Associate Professor, Teaching Stream and Associate Chair, Undergraduate Studies

C.A. Goldman, M Sc

### Associate Professors

J-B. Caron, M Sc, Ph D  
B. Chang, AB, Ph D  
D.C. Currie, B Sc, Ph D  
A.D. Cutter, BS, Ph D  
H. Cyr, M Sc, Ph D  
C. Darling, M Sc, Ph D  
J.E. Eckenwalder, M Sc, Ph D  
M.E. Engstrom, M Sc, Ph D  
D. Evans, B Sc, Ph D  
M.E. Frederickson, AB, Ph D  
H. Lopez-Fernandez, B Sc, Ph D  
J.M. Moncalvo, M Sc, Ph D  
T.L. Sage, MS, Ph D

### Assistant Professors

B. Gilbert, M Sc, Ph D  
M. Krkosek, B Sc, Ph D  
S.B. Kvist, MS, Ph D  
D.L. Mahler, BA, Ph D  
N. Mideo, B Sc, Ph D  
B. Raboy, B Sc, Ph D

## Introduction

Ecologists and evolutionary biologists recognize that all life has evolved and that an understanding of the factors influencing the origin and maintenance of biological diversity from genomes to ecosystems underlies all life sciences and is critical to our stewardship of life on this planet. Society needs to make informed decisions about sustainable development, global climate change, control of invasive species, the preservation of genetic diversity and ecosystem integrity, and the control of emerging infectious diseases. These are all evolutionary and ecological problems.

Ecology and Evolutionary Biology is a broad discipline that seeks to understand the origins, diversity, and distribution of organisms. The Department offers a very wide range of courses that deal with biological diversity, conservation biology, molecular evolution, population and quantitative genetics, genomics, animal behaviour, population, community, and ecosystem ecology, evolutionary and ecological theory, environmental biology, and systematics. Students exposed to these subjects come to realize that the ecological and evolutionary underpinnings of life present a host of scientific problems that are both intellectually challenging and critical to our future.

The Department offers six programs: a Specialist program in Ecology and Evolutionary Biology; Major programs in Biodiversity and Conservation Biology, Ecology & Evolutionary Biology, and Environmental Biology; and two Minor programs in Environmental Biology. The Department also jointly offers programs with other departments: Specialist, Major, and Minor programs in Biology (with Cell & Systems Biology), and a Major program in Genome Biology (with Cell & Systems Biology and Molecular Genetics & Microbiology).

The **EEB Specialist** program (12 FCEs) provides an in-depth understanding of ecological and evolutionary patterns and processes, as well as the diversity of life forms (microbes, fungi, plants, animals). Concepts are taught using a broad array of approaches, including molecular studies, laboratory experiments, computer and mathematical modeling, and field studies. An integral part of the experience is to conduct independent research projects in the laboratory and/or field. There is a strong emphasis within the program on hands-on laboratory and fieldwork that complement the conceptual framework developed in lectures. Students in this program have the opportunity to concentrate in ecology, evolutionary biology, or behaviour. The **EEB Major** program (8 FCEs) provides a comprehensive understanding of ecology and evolution, also with concepts taught using a broad array of approaches—including opportunities to conduct independent research projects—and with an emphasis on hands-on laboratory and field work.

Today, in an era of unprecedented global change, natural ecosystems are under attack and thousands of species are threatened with extinction and many more have experienced unprecedented declines. Students in the **Biodiversity and Conservation Biology Major** program (8 FCEs) will be equipped to aid in the response to what is perhaps humanity's most pressing challenge, the conservation of biological diversity. Students in this program take courses in their first and second years that

provide foundations in ecology, evolutionary biology, biodiversity and conservation biology, environmental biology, mathematics, and statistics. In their upper years students will obtain in-depth knowledge about the diversity of living organisms and take advanced courses in ecology, evolution, and biodiversity and conservation biology, including a capstone course at the 400-level.

Environmental science is an interdisciplinary field that integrates biological, chemical, and physical sciences to study human interactions with their environment. The **Environmental Biology Major** (8 FCEs) provides a broad background in biology that is essential to understand the impact of humans on other organisms and their environments. It provides students with an understanding of ecology, the diversity and function of living organisms, the physical and chemical environment, and the ways organisms interact with, and affect, ecosystem processes. Students are exposed to ecosystem management, issues related to environmental change, and the consequences of interactions between humans and the environment.

The **Environmental Biology Minor** program (4 FCEs) offer students an introduction to ecology, evolution, environmental biology, and organismal diversity. The **Biology Minor (joint with NUS)** program is offered jointly with the National University of Singapore: students complete 2.0 FCEs at the University of Toronto and 2.0 FCEs on exchange in Singapore. LSM courses at the National University of Singapore are also available to students in EEB programs.

Students entering their first year in the life sciences take BIO120H1 (offered by EEB) and BIO130H1 (offered by CSB). These courses are taken by students who have successfully completed Grade 12 Biology, SBI4U (or an equivalent course). BIO130H1 also requires Grade 12 Chemistry, SCH4U. One or both of these half courses are a prerequisite for almost all further courses in the life sciences. Students requiring more information about BIO120H1 please contact the BIO120 Office, Earth Sciences Centre (25 Willcocks St.), Room 3045A, bio120@utoronto.ca

Students requiring more information about Ecology & Evolutionary Biology programs and courses please visit the departmental website or contact the Undergraduate Office, Earth Sciences Centre (25 Willcocks St.), Room 3055B, undergrad.eeb@utoronto.ca, 416-978-2084.

Website: <http://www.eeb.utoronto.ca/Learning.htm>

## Ecology and Evolutionary Biology Programs

### **Biodiversity and Conservation Biology Major (Science program)**

(8 full courses or their equivalent including at least 2.0 FCEs at 300+ series with at least 0.5 FCE at the 400 level series)

First Year (1.5 FCEs): BIO120H1; (MAT135H1, MAT136H1)/MAT135Y1/MAT137Y1/JMB170Y1

Higher Years:

1. 2.0 FCEs: BIO220H1 (ecology and evolutionary biology); EEB225H1/STA220H1 (statistics); EEB255H1 (conservation biology); ENV234H1 (environmental biology; cannot be substituted with EEB375H1)

2. 1.5 FCEs in organismal biology (with at least 0.5 FCE from Group 1 and 0.5 FCE from Group 2) from:

Group 1 (plant or microbial): BIO251H1; EEB268H1, EEB330H1, EEB331H1, EEB340H1, EEB445H1

Group 2 (animal): EEB263H1, EEB266H1, EEB267H1, EEB380H1, EEB382H1, EEB384H1, EEB386H1, EEB388H1

3. 0.5 FCE in core evolution: EEB318H1, EEB323H1, EEB362H1

4. 0.5 FCE in core ecology from: EEB319H1, EEB321H1, EEB328H1

5. 0.5 FCE: EEB365H1 (applied conservation biology)

6. 1.0 FCE from: BIO130H1, BIO251H1; EEB263H1, EEB266H1, EEB267H1, EEB268H1, EEB318H1, EEB319H1, EEB321H1, EEB322H1, EEB323H1, EEB324H1, EEB325H1, EEB328H1, EEB330H1, EEB331H1, EEB340H1, EEB356H1, EEB362H1, EEB380H1, EEB382H1, EEB384H1, EEB386H1, EEB388H1, EEB390H1, EEB397Y1, EEB398H0, EEB399Y0, EEB428H1, EEB430H1, EEB433H1, EEB440H1, EEB445H1, EEB455H1, EEB459H1, EEB497H1, EEB498Y1, EEB499Y1; EHJ352H1; ENV334H1, ENV432H1; FOR307H1, FOR413H1; JHE353H1, JHE355H1; NUS

7. 0.5 FCE at 400 series from: EEB465H1, EEB466H1; field course, EEB403H1, EEB405H1, EEB406H1, EEB407H1, EEB410H1; seminar, EEB495H1; research project (in biodiversity and/or conservation biology), EEB497H1, EEB498Y1/EEB499Y1

NOTE: BIO260H1/HMB265H1 (genetics) is recommended. Note that both BIO260H1 and HMB265H1 require BIO130H1 and BIO230H1; BIO230H1 requires both CHM135H1 (formerly CHM139H1) and CHM136H1 (formerly CHM138H1).

Students interested in law, economics, policy, or environmental studies may choose to pair their Biodiversity and Conservation Biology Major with another Major, such as Economics, Environmental Ethics, or Environmental Studies (all three are Arts program), or Science programs (e.g., Environment programs).

### **Ecology and Evolutionary Biology Specialist (Science program)**

(12 full courses or their equivalent including at least 4.0 FCEs at the 300+ series level, 1.0 of which must be at the 400 series level)

First Year (3.0 FCEs): BIO120H1; BIO130H1; (CHM135H1 (formerly CHM139H1), CHM136H1 (formerly CHM138H1))/CHM151Y1; (MAT135H1, MAT136H1)/MAT135Y1/MAT137Y1/MAT157Y1

1. 2.0 FCEs: BIO220H1 (ecology and evolutionary biology); BIO230H1 (molecular and cell biology); BIO260H1/HMB265H1 (genetics); BIO251H1/BIO270H1/PSL300H1/ENV234H1 (plant or animal form and function/environmental biology); ENV234H1 (cannot be substituted with EEB375H1 for this requirement)

2. 0.5 FCE in statistics from: EEB225H1 (recommended); PSY201H1; STA220H1/STA257H1; GGR270H1

3. 0.5 FCE in core evolution from: EEB318H1, EEB323H1, EEB362H1

4. 0.5 FCE in core ecology from: EEB319H1, EEB321H1 (both are recommended), EEB328H1

5. 0.5 FCE in organismal biology from: EEB263H1, EEB266H1, EEB267H1, EEB268H1, EEB330H1, EEB331H1, EEB340H1, EEB356H1, EEB380H1, EEB382H1, EEB384H1, EEB386H1, EEB388H1

6. 1.0 FCE at 300+ series, from: EEB318H1, EEB319H1, EEB321H1, EEB322H1, EEB323H1, EEB324H1, EEB325H1, EEB328H1, EEB330H1, EEB331H1, EEB340H1, EEB356H1, EEB362H1, EEB365H1, EEB380H1, EEB382H1, EEB384H1, EEB386H1, EEB388H1, EEB390H1, EEB398H0, EEB399Y0, EEB428H1, EEB430H1, EEB433H1, EEB440H1, EEB445H1, EEB455H1, EEB459H1, EEB460H1, EEB465H1, EEB466H1, EEB492H1/EEB492Y1, EEB495H1, EEB496H1; EHJ352H1; ENV334H1,

# Ecology and Evolutionary Biology

ENV432H1; ENV395Y1; NUS

Sub-total = 8.0 FCEs

7. 1.0 to 2.5 FCEs in at least two of the three following categories: (1) one field course (0.5 FCE) from EEB403H1, EEB405H1, EEB406H1, EEB407H1, EEB410H1; (2) one seminar (0.5 FCE) from EEB495H1, EEB496H1; and/or (3) one independent research project course (1.0 FCE) from EEB498Y1/EEB499Y1 and concurrent research issues course EEB488H1 (0.5 FCE).

Sub-total = 9.0 or 10.5 FCEs (depending on options chosen in #7)

8. Select the remaining FCEs for a total of 12.0 FCEs (at least 1.0 must be 300+ series if 1.0 FCE is completed in #7 above) from: BIO251H1, BIO270H1/PSL300H1, BIO271H1/PSL301H1; all EEB courses (excluding EEB202H1, EEB204H1, EEB206H1, EEB214H1, EEB215H1); EHJ352H1; ENV234H1, ENV334H1, ENV432H1; JHE353H1, JHE355H1; and no more than 1.0 FCE from the following (note that some courses may require prerequisites that are not listed within this program): ANT336H1, ANT333Y1, ANT335Y1, ANT430H1, ANT436H1; CSB328H1, CSB340H1, CSB349H1, CSB350H1, CSB352H1, CSB353H1, CSB430H1, CSB431H1, CSB452H1, CSB458H1, CSB472H1, CSB474H1; ENV315H1, ENV346H1; FOR200H1, FOR307H1, FOR413H1, FOR416H1, FOR417H1; GGR201H1, GGR203H1, GGR205H1, GGR206H1, GGR305H1, GGR307H1, GGR308H1, GGR403H1, GGR409H1; GLG202H1, GLG351H1, GLG436H1; JGE347H1, JGE348H1; MAT221H1; MGY340H1; NUS; PSY100H1, PSY260H1, PSY270H1, PSY280H1, PSY290H1, PSY390H1, PSY397H1, PSY492H1, PSY497H1 (note that many PSY courses have limited enrolment)

Total = 12 FCEs

NOTE: Students may wish to concentrate in ecology, evolutionary biology, or behaviour. Recommended EEB, EHJ and JHE courses for these concentrations are as follows:

Ecology: EEB255H1, EEB319H1, EEB321H1, EEB328H1, EEB365H1, EEB428H1, EEB430H1, EEB433H1, EEB440H1, EEB465H1, EEB495H1; ENV432H1

Evolutionary Biology: EEB323H1, EEB324H1, EEB325H1, EEB362H1, EEB390H1, EEB440H1, EEB459H1, EEB460H1, EEB466H1; EHJ352H1; JHE353H1, JHE355H1

Behaviour: EEB322H1, EEB455H1, EEB496H1

## Ecology & Evolutionary Biology Major

(8 full courses or their equivalent including at least 2.0 FCEs at 300+ series with at least 0.5 FCE at the 400 series level)

First Year (2.0 FCEs): BIO120H1; BIO130H1; (CHM135H1 (formerly CHM139H1), CHM136H1 (formerly CHM138H1))/CHM151Y1

Higher Years:

1. 2.0 FCEs: BIO220H1; BIO230H1; BIO260H1/HMB265H1; EEB225H1/STA220H1/STA257H1/GGR270H1

2. 1.0 FCE from: BIO251H1, BIO270H1/PSL300H1, BIO271H1/PSL301H1, EEB263H1, EEB266H1, EEB267H1, EEB268H1, ENV234H1

3. 2.0 FCEs from: EEB318H1, EEB319H1, EEB321H1, EEB322H1, EEB323H1, EEB324H1, EEB325H1, EEB328H1, EEB362H1, EEB365H1, EEB375H1, EEB380H1, EEB382H1, EEB384H1, EEB386H1,

EEB388H1, EEB390H1, EEB397Y1, EEB398H0, EEB399Y0, EEB428H1, EEB430H1, EEB433H1, EEB440H1, EEB455H1, EEB459H1, EEB460H1, EEB465H1, EEB466H1; EHJ352H1; ENV432H1; NUS

4. 0.5 FCE from: BIO251H1; BIO270H1/PSL300H1; BIO271H1/PSL301H1; EEB (excluding EEB202H1, EEB204H1, EEB206H1, EEB214H1, EEB215H1); ENV234H1, ENV334H1, ENV432H1; EHJ352H1; JHE353H1, JHE355H1; JMB170Y1/MAT135H1/MAT136H1/MAT135Y1/MAT137Y1/MAT157Y; MGY340H1; NUS

5. 0.5 FCE at the 400-series from: field course, EEB403H1, EEB405H1, EEB406H1, EEB407H1, EEB410H1; seminar EEB495H1, EEB496H1; independent research project course, EEB497H1, EEB498Y1/EEB499Y1 (concurrent with research issues course EEB488H1); advanced lecture/discussion course, EEB428H1, EEB430H1, EEB433H1, EEB440H1, EEB455H1, EEB459H1, EEB460H1, EEB465H1, EEB466H1; ENV432H1

## Environmental Biology Major (Science program)

(8 full courses or their equivalent including at least 2.0 FCEs at 300+ series with at least 0.5 FCE at the 400 level series)

First Year (3.0 FCEs): BIO120H1; (CHM135H1 (formerly CHM139H1), CHM136H1 (formerly CHM138H1))/CHM151Y1; (MAT135H1, MAT136H1)/MAT135Y1/MAT137Y1; PHY131H1/PHY151H1 or BIO130H1

1. 2.0 FCEs: BIO220H1 (ecology and evolutionary biology); ENV234H1 (cannot be substituted with EEB375H1 for this requirement), ENV334H1 (environmental biology); EEB225H1/STA220H1/GGR270H1 (statistics)

2. 0.5 FCE in biological diversity and function from: BIO251H1, BIO270H1; EEB266H1, EEB267H1, EEB268H1, EEB340H1; BIO260H1/HMB265H1 (note that both require BIO130H1 and BIO230H1)

3. 0.5 FCE in physical environment from: CHM210H1; ESS211H1, ESS261H1, ESS262H1; GGR201H1, GGR203H1, GGR205H1, GGR206H1; GLG202H1; PHY131H1, PHY132H1, PHY151H1, PHY152H1, PHY235H1 (requires MAT135H1/MAT137Y1/MAT157Y1 and PHY131H1/PHY151H1)

4. 0.5 in core ecology from: EEB319H1, EEB321H1, EEB328H1

5. 1.0 FCE from: EEB319H1, EEB321H1, EEB323H1, EEB325H1, EEB328H1, EEB365H1, EEB375H1, EEB386H1, EEB430H1, EEB433H1; ENV432H1; ESS361H1, ESS362H1; FOR305H1, FOR307H1; GGR305H1, GGR307H1, GGR308H1; GLG351H1/ESS311H1; ENV316H1

6. 0.5 FCE at the 400-series from: field course, EEB403H1, EEB405H1, EEB406H1, EEB407H1, EEB410H1/FOR418H1/GGR490H1/GLG445H1, GLG448H1; seminar/lecture course, EEB428H1, EEB433H1, EEB495H1, ENV432H1; ESS463H1, ESS464H1; JFG470H1; GGR403H1/ESS462H1, GGR409H1/ESS463H1, GLG436H1; independent research project, EEB497H1, EEB498Y1, EEB499Y1.

This program can be combined with other Environmental programs (see School of the Environment), as well as Science (e.g., Chemistry, Geology) and Social Science (e.g., Economics) programs.

## Environmental Biology Minor (Science program)

Consult Undergraduate Office in the Department of Ecology and Evolutionary Biology.

(4 full courses or their equivalent; must include at least one full-course equivalent at the 300+ series)

1. 1.5 FCEs: BIO120H1; BIO220H1; ENV234H1 (cannot be substituted with EEB375H1)

2. 0.5 FCE in organismal biology: EEB266H1, EEB267H1, EEB268H1

3. 2.0 FCEs (at least 1.0 FCE at 300+ series) from: BIO251H1, EEB255H1, EEB263H1, EEB266H1, EEB267H1, EEB268H1, EEB318H1, EEB319H1, EEB321H1, EEB328H1, EEB362H1, EEB365H1, EEB380H1, EEB382H1, EEB384H1, EEB386H1, EEB388H1, EEB433H1; ENV334H1 (recommended); ENV432H1; NUS; no more than one field course from EEB403H1, EEB405H1, EEB406H1, EEB407H1, EEB410H1

## Ecology and Evolutionary Biology Courses

### Lab Materials Fee

Some courses in this department have a mandatory Lab Materials Fee to cover non-reusable materials. The fee for each such course is given below in the course description, and will be included on the student's invoice on ACORN.

### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

## 100-SERIES COURSES

### BIO120H1 Adaptation and Biodiversity [24L/15P]

Principles and concepts of evolution and ecology related to origins of adaptation and biodiversity. Mechanisms and processes driving biological diversification illustrated from various perspectives using empirical and theoretical approaches. Topics include: genetic diversity, natural selection, speciation, physiological, population, and community ecology, maintenance of species diversity, conservation, species extinction, global environmental change, and invasion biology. A lab coat is required and the cost is approximately \$16 if students wish to purchase it through the Department. (Lab Materials Fee: \$25)

Prerequisite: Grade 12 Biology or equivalent. Students without high school Biology must consult the BIO120 Office ([bio120@utoronto.ca](mailto:bio120@utoronto.ca))

Exclusion: BIO150Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## 200-SERIES COURSES

### BIO220H1 From Genomes to Ecosystems in a Changing World [24L/15P]

Dynamics of genetic and ecological change in biological systems, from genomes to ecosystems. Evolutionary genetic and ecological perspectives on wide-ranging topics including disease, aging, sexual conflict, genetics of human differences, conservation, and global climate change. Applications of evolutionary, ecological, and molecular-genetic principles and processes. Responsibilities of human societies in a changing world. (Lab Materials Fee: \$25).

Prerequisite: BIO120H1

Exclusion: BIO150Y1

Recommended Preparation: BIO130H1, BIO230H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### BIO251H1 Form, Function and Development in Plants [24L/18P]

Introduction to structure, function, and ecology of vegetative and reproductive processes in plants with a focus on flowering plants and gymnosperms. Lectures and labs emphasize photosynthesis, respiration, mineral nutrition, transport processes, patterns of plant growth and development, the role of hormones in development, photomorphogenesis, and plant reproduction. (Lab Materials Fee: \$25).

Prerequisite: BIO120H1

Exclusion: BIO251Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### EEB202H1 Plants and Society [24L]

The importance of plants to society. Topics include: plant biology, domestication of crop plants, plant breeding and genetic engineering, biological invasions, conservation, biodiversity and genetic resources, ecological implications of advances in modern plant science, macroevolution of plants, forest utilization. For non-science students in all years and disciplines.

Exclusion: BIO120H1/BIO150Y

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### EEB204H1 Diversity of Living Organisms [24L/12T]

Introduction to the diversity of living organisms, including microorganisms, fungi, plants, and animals, with an emphasis on evolution, ecology, and conservation. For non-science students in all years and disciplines.

Exclusion: BIO120H1/BIO150Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### EEB206H1 Studying Behaviour [24L/12T]

All organisms display some behaviours. This course explores what is behaviour and how it is quantified and studied. Topics may include: mate choice, aggression and resolution, parent-offspring conflict, manipulating behaviour, and the origins of empathy and self-awareness. For non-science students in all years and disciplines. (Not offered in 2016-17)

Exclusion: BIO120H1/BIO150Y1;

PSY210H1/220H1/230H1/240H1/260H1/270H1/280H1/290H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

# Ecology and Evolutionary Biology

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## **EEB208H1 Ecosystems and the Human Footprint [24L/12T]**

An introduction to the diversity of Earth's aquatic and terrestrial ecosystems (e.g., coral reefs, lakes, tropical rainforests); the history of industrialization and human population growth; how the human footprint impacts ecosystems (e.g., ecosystem function, biological diversity); and strategies to maintain, recover and restore ecosystems. This is a course for non-science students in all years and disciplines.

Exclusion: BIO120H1, BIO150Y1, ENV200H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **EEB214H1 Evolution and Adaptation [24L/12T]**

Evolution and adaptation of life on Earth. Introduction to the theory of evolution by natural selection. Topics may include: evidence supporting the fact of evolution, and how evolutionary theory can help explain the world around us, such as how species are formed, and the evolution of sex, infanticide, and disease. For non-science students in all years and disciplines.

Exclusion: BIO120H1/BIO150Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **EEB215H1 Conservation Biology [24L/12T]**

Introduction to the scientific discipline that deals with threatened species and habitats. Topics include: biodiversity, extinction, threats, demography, genetic diversity, protecting, managing and restoring ecosystems (e.g., nature reserves, captive breeding, conservation corridors), sustainable development, and global warming. Ties between the study of conservation biology and environmental law, economics, and policy will also be covered. For non-science students in all years and disciplines.

Exclusion: BIO120H1/BIO150Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **EEB225H1 Biostatistics for Biological Sciences [36L/12P]**

A statistics course designed especially for life science students, using examples from ecology and evolution where appropriate. Students learn to choose and use statistics that are appropriate to address relevant biological questions and hypotheses. Lectures and computer labs will be used to cover the following methods: sampling and experimental design, data exploration, correlation, regression, ANOVA, Chi-square, and non-parametric tests.

Prerequisite: BIO120H1

Exclusion: BIO225H1/ECO220Y1/ECO227Y1/GGR270H1/HMB325H1/PCL376H1/PSY201H1/SOC300Y1/STA220H1/STA250H1

Distribution Requirement Status: Science

Breadth Requirement: None

## **ENV234H1 Environmental Biology: Structure and Function of Ecosystems [24L/18P]**

This multidisciplinary course draws on elements from geology, soil science, and ecology to understand past and present environments and human impacts on landscapes and ecosystems. Emphasis on the structure, functioning and connectivity of aquatic and terrestrial ecosystems. Field trips and labs. Mandatory day-long field trip on a Friday or Saturday (students choose which day; a fee of approximately \$15 may be charged for field trip transportation.) (Lab Materials Fee: \$25)

Prerequisite: BIO120H1 (highly recommended) or

ESS102H1/GLG102H1/GGR100H1/JEG100H1/FOR200H1/FOR201H1

Exclusion: ENV234Y1

Distribution Requirement Status: Science

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Breadth Requirement: Living Things and Their Environment (4)

## **EEB255H1 Essentials of Biodiversity Science and Conservation Biology [36L]**

"Classical" and "new" concepts in biodiversity and conservation. Topics may include: evolution and ecology in the past (Holocene) and future (Anthropocene); levels and kinds of biodiversity; valuing biodiversity through ecological economics; causes of endangerment; predicting extinction; genetic and demographic theory; habitat protection and captive breeding; conservation policies and endangered species acts; designing future biodiversity.

Prerequisite: BIO120H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **EEB263H1 Comparative Vertebrate Anatomy [24L/36P]**

The ontogeny and phylogeny of vertebrate structure are considered within the context of evolutionary theory. Functional aspects of the various organ systems are examined. Representative vertebrates are analyzed (with brief dissection of some forms) in laboratory to illustrate selected anatomical features and to provide practical exposure to vertebrate construction. (Lab Materials Fee: \$25)

Prerequisite: BIO120H1

Exclusion: EEB263Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **EEB266H1 Animal Diversity: Invertebrates [24L/18P]**

The diversity of invertebrates (e.g. sponges, jellyfish, flatworms, molluscs, segmented worms, round worms, arthropods, echinoderms and several smaller phyla) is explored, focusing on taxonomic characters that define each group and their placement in the evolutionary tree of life, ecological function, biological requirements, and geographical distribution. Labs emphasize identification and recognition of major groups, including dissection when appropriate. (Lab Materials Fee: \$25)

Prerequisite: BIO120H1

Exclusion: EEB265Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **EEB267H1 Animal Diversity: Vertebrates [24L/18P]**

Introduction to the diversity of chordate animals (vertebrates, tunicates, and lancelets), focusing on morphological, physiological, ecological and behavioural traits that make each group special and how those traits increase vulnerability to human-based exploitation. Labs involve living organisms whenever possible, but only for display purposes.

Prerequisite: BIO120H1

Exclusion: EEB265Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **EEB268H1 Plant and Microbial Diversity [24L/15P]**

Introduction to the biology of algae, fungi, and land plants. Lectures and labs emphasize the diversity of organisms with a focus on life cycles, ecology, and evolution. (Lab Materials Fee: \$25)

Prerequisite: BIO120H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)



## EEB299Y1 Research Opportunity Program

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: None

## 300-SERIES COURSES

### EEB318H1 Principles of Evolution [24L/12T]

Principles and practice of evolutionary biology since Darwin. Topics may include: phylogeny, speciation, mutation and neutral evolution, population genetic variation, quantitative genetics, molecular evolution, natural selection and adaptation, evolutionary conflict and cooperation, and levels of selection.

Prerequisite: BIO220H1

Exclusion: Students who have taken EEB323H1/EEB324H1 cannot take (or concurrently take) EEB318H1. Students who have completed EEB318H1 may take EEB323H1/EEB324H1/EEB362H1.

Recommended Preparation: BIO260H1/HMB265H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### EEB319H1 Population Ecology [24L/36P]

Abundance and distribution of populations; population growth and regulation; fluctuations, stochasticity and chaos; meta-population persistence and extinction; age and stage-structured populations; interactions within and between species; optimal harvesting; spread of infectious diseases. Labs include experiments and computer simulations. (Lab materials fee: \$25 - will not be charged in 2016-17)

Prerequisite: BIO220H1;

(MAT135H1, MAT136H1)/MAT135Y1/MAT137Y1/MAT157Y1; and a course in statistics from EEB225H1 (recommended), PSY201H1, STA220H1/STA250H1/STA257H1, GGR270H1, HMB325H1

Recommended Preparation: ENV234H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### EEB321H1 Community Ecology [24L/36P]

Nature and analysis of community structure; disturbance and community development; species interactions; community assembly processes. There may be a field trip held on a Saturday or a Sunday. A fee of approximately \$30 may be charged for field trip transportation. Computer exercises in weekly labs provide training in sampling, simulation, and data analysis.

Prerequisite: BIO220H1; and a course in statistics from EEB225H1 (recommended), PSY201H1, STA220H1/STA250H1/STA257H1, GGR270H1, HMB325H1

Recommended Preparation: EEB319H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### EEB322H1 Behaviour and Behavioural Ecology [24L/36P]

A broad introduction to animal behaviour emphasizing concepts from ethology and behavioural ecology, including foraging, predation, mating systems, parental care and behaviour genetics. Field and laboratory studies are undertaken. (Lab Materials Fee: \$25; Lab Manual Fee: \$10)

Prerequisite: BIO220H1; and a course in statistics from EEB225H1 (recommended), PSY201H1, STA220H1/STA250H1/STA257H1, GGR270H1, HMB325H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### EEB323H1 Evolutionary Genetics [24L/24T]

Evolutionary biology rests on a foundation of evolutionary genetics. This course focuses on the core ideas in population genetics and extends to evolutionary genomics. Students are exposed to the mathematical theory underlying evolutionary genetics and will learn the mathematical foundations underlying these ideas. Topics include the population genetics of mutation, migration, drift, and selection, analysis of sequence variation, and the evolution of sexual reproduction.

Prerequisite: BIO220H1, BIO260H1/HMB265H1

Recommended Preparation: (MAT135H1,

MAT136H1)/MAT135Y1/MAT136Y1/MAT137Y1/MAT157Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### EEB324H1 Evolutionary Ecology [36L/12T]

Empirical and theoretical approaches to key areas of research including natural selection, sexual selection, and life histories. Other topics may include phenotypic plasticity, speciation, co-evolution, and quantitative genetics.

Prerequisite: EEB318H1/EEB323H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### EEB325H1 Evolutionary Medicine [36L/12T]

How evolutionary principles can help us better understand health and disease. Concepts from evolutionary biology (e.g., life history theory, coevolution, genomic conflict, constraints and trade-offs) will be applied to key problems in medicine and public health, including antibiotic resistance, aging, cancer, autoimmune disease, and pathogen virulence.

Prerequisite: BIO130H1, BIO220H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### EEB328H1 Physiological Ecology [24L/24T]

An advanced treatment of the physiological mechanisms controlling plant and animal distribution and ecological success. Topics of focus include photosynthesis and resource balance, water and nutrient relations, temperature effects, and adaptations to abiotic stress. A fee of approximately \$15 may be charged for field trip transportation.

Prerequisite: BIO220H1

Recommended Preparation: BIO251H1/BIO270H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### EEB330H1 Systematic Botany [24L/36P]

The theoretical foundations of taxonomy and the types of evidence used in constructing plant classifications. Labs emphasize taxonomic characters and their uses. Includes an independent taxonomic project. (Lab Materials Fee: \$25)

Prerequisite: BIO220H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### EEB331H1 Introduction to the Fungi [24L/36P]

Topics include fungal systematics, morphology, physiology, and ecology. The roles of fungi in the environment and their importance to man. A weekend field trip explores the natural occurrence of fungi. Labs introduce the techniques used for morphological and molecular identification, and for isolation in pure culture. Students use fungal cultures to conduct an independent experimental research project. (Lab Materials Fee: \$25). (Not offered in 2016/17; next offered in Fall 2017)

Prerequisite: BIO220H1

Recommended Preparation: EEB268H1

# Ecology and Evolutionary Biology

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Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **ENV334H1 Environmental Biology: Applied Ecology [24L/36P]**

Applied issues in aquatic and terrestrial ecosystems. Topics include: ecology of agro-ecosystems and other human-managed ecosystems, bio-indicators of anthropogenic impacts, ecosystem restoration, and adaptive management. Field trips and laboratory exercises. A fee of approximately \$15 may be charged for field trip transportation. Group projects address local management/restoration issues. (Lab Materials Fee: \$25)

Prerequisite: ENV234H1 and completion of 9 FCEs

Exclusion: ENV234Y1

Recommended Preparation: a course in statistics (EEB225H1 recommended)

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **EEB340H1 Comparative Plant Morphology [24L/36P]**

The origin of land plants and the subsequent diversification of land plant vegetative and reproductive form and function. Discussions synthesize morphological and anatomical knowledge from living organisms and fossil records with cellular, physiological, and molecular information on the developmental "tool kit" of land plants and their ancestors throughout geological time. Topics address the evolution of vegetative and reproductive meristems; stem, leaf, and root architecture; vascular tissue; the ovule habit; fertilization processes; and pollination biology. (Lab Materials Fee: \$25; Lab Manual Fee: \$25)

Prerequisite: BIO220H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **EHJ352H1 Evolution of the Human Genome [24L/12T]**

Human genome diversity and evolution with a focus on current research.

The course integrates applications of human evolutionary genomics to the understanding of human history and adaptation, the causes of disease, and genome structure and function. Topics include: comparative genomics, population genomics of adaptation, association mapping, repetitive/selfish DNA, and gene duplication.

Prerequisite: BIO220H1, BIO260H1/HMB265H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **JHE353H1 History of Evolutionary Biology [24L/10T]**

An examination of major ideas about biological evolution from the 18th century to the 1930s and of their impact on scientific and social thought. Topics include the diversity of life and its classification, the adaptation of organisms to their environment, Wallace's and Darwin's views on evolution by natural selection, sexual selection, inheritance from Mendel to T.H. Morgan, eugenics, and the implications of evolution for religion, gender roles, and the organization of society. Offered by the Institute for the History and Philosophy of Science and Technology.

Prerequisite: 6 full courses or equivalent

Exclusion: EEB353H1/HPS323H1/HPS353H1

Distribution Requirement Status: Humanities or Science

Breadth Requirement: Society and its Institutions (3)

## **JHE355H1 History and Philosophy of Evolutionary Biology [24L/10T]**

An examination of the place of the organism in evolutionary theory from the early 1900s to the present. Biology is the science of living things, and yet, paradoxically, living things--organisms--have been comprehensively left out of the Modern Synthesis theory of evolution that developed in the twentieth century. This course surveys the reasons--historical, philosophical and empirical--for the marginalisation of organisms from evolutionary theory. It examines the ways in which evolutionary developmental biology attempts to restore the organisms to a central place in evolutionary biology. Offered by faculty in the Institute for the History and Philosophy of Science and Technology.

Prerequisite: 6 full courses, including two half-courses or one full-year course in any one or more of EEB, BIO or HPS

Exclusion: EEB355H1/HPS333H1/HPS355H1

Recommended Preparation: JHE353H1

Distribution Requirement Status: Humanities or Science

Breadth Requirement: Society and its Institutions (3)

## **EEB362H1 Macroevolution [24L/12T]**

Explores patterns of large-scale evolutionary change, played out over large geographic expanses and extended periods of time. Integrates patterns with field and experimental studies to clarify evolutionary processes. Topics include: origins of species and their adaptations, historical biogeography, co-evolution, community evolution, radiations and extinctions, fossils and macroevolutionary patterns, and the role of evolutionary information in conservation and biodiversity initiatives. Tutorials emphasize methods used to reconstruct phylogenetic relationships and the sequence of character evolution.

Prerequisite: BIO220H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **EEB365H1 Topics in Applied Conservation Biology [24L/24P]**

Applied conservation biology including management (at the level of species/populations, environments/landscapes, and ecosystems) and how to conserve and maintain biodiversity and ecosystem function (including species and ecosystem distribution modelling).

Prerequisite: BIO220H1, EEB255H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **EEB375H1 Organisms and Their Environment [24L/12T]**

Ecological interactions between organisms and their environment. Past and present changes in Earth's environment and the human responses to those changes. Topics may include: Pleistocene glaciations, origins of agriculture, species extinctions, disease ecology, deforestation, water pollution, pesticides, and estrogenic compounds. (Note: EEB375H1 cannot substitute ENV234H1 to satisfy a program requirement.)

Prerequisite: BIO220H1

Exclusion: ENV234H1/ENV234Y1/ENV334H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **EEB380H1 Diversity of Insects (formerly EEB356H1) [24L/36P]**

Evolutionary history, morphology, physiology, development, behaviour, and ecological significance of insects. Labs focus on identification of major groups of insects found in Ontario and each student makes an insect collection. Insects are collected during field trips during class time and also on Saturday field trips early in the term. A fee of approximately \$15 may be charged for field trip transportation.

Prerequisite: BIO220H1

Exclusion: EEB356H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **EEB382H1 Diversity of Fishes [24L/18P]**

Systematics, morphology, ecology, behaviour, biogeography, and conservation of fishes. Identification of major groups of fish; what makes each group biologically special and how those unique traits might contribute to conservation concerns. Labs focus on exercises designed to highlight how ichthyologists actually do research. (Lab materials fee: \$25)

Prerequisite: BIO220H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **EEB384H1 Diversity of Amphibians and Reptiles [24L/36P]**

Lectures and laboratories examine the natural history, morphology, behaviour, ecology, evolutionary relationships, and biogeography of amphibians (frogs and toads, salamanders, caecilians) and non-avian reptiles (turtles, the tuatara, lizards, snakes, and crocodilians).

Prerequisite: BIO220H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **EEB386H1 Diversity of Birds [24L/12P]**

Avian ecology, behaviour, conservation, and functional morphology and evolution of avian flight. Labs focus on avian anatomy and song analysis, and an outdoor activity introduces students to basic avian identification and compiling a field journal.

Prerequisite: BIO220H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **EEB388H1 Diversity of Mammals [24L/36P]**

Diversity and biology of living mammals, including distinguishing characteristics and adaptations, classification, evolutionary relationships, biogeography, natural history, reproduction, behaviour, ecology, and conservation. Labs focus on the identification of mammals and their diverse morphological adaptations including the mammals of Ontario.

Prerequisite: BIO220H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **EEB390H1 Vertebrate Paleontology: Major Transitions in Vertebrate History [24L/18P]**

The evolutionary history of vertebrates is recorded in their fossil record. Lectures highlight the origin and radiation of major vertebrate clades, and emphasize key events in vertebrate history, notably major ecological and evolutionary transitions, and mass extinctions. Practicals (at the Royal Ontario Museum) explore fossils that exemplify these themes.

Prerequisite: BIO220H1; at least one of EEB263H1, EEB267H1,

EEB362H1, EEB382H1, EEB384H1, EEB386H1, EEB388H1

Recommended Preparation: EEB263H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **EEB397Y1 Research Project in Ecology and Evolutionary Biology [TBA]**

An intermediate research project requiring the prior consent of a member of the Department to supervise the project. The topic is to be one mutually agreed on by the student and supervisor. They must arrange the time, place, and provision of any materials and submit to the Undergraduate Office a signed form of agreement outlining details prior to being enrolled. This course is open to highly self-motivated students who are in their Third Year and have a strong interest in ecology and/or

evolutionary biology. Students are required to write up the results of their research in a formal paper, often in the format of a research article, and may be required to present the results at a poster session and/or participate in an oral presentation. Students should contact their potential supervisors over the summer before classes begin in September.

Information regarding how to register for the course is available on the EEB website. Not eligible for CR/NCR option.

Prerequisite: Permission of department

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **EEB398H0 Research Excursions**

An instructor-supervised project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: None

## **EEB399Y0 Research Excursions**

An instructor-supervised project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: None

## **400-SERIES COURSES**

NOTE: Not all field courses (EEB403H1 to EEB410H1) are offered each year; check the EEB website (field course page) to determine which courses are offered in a given year.

### **EEB403H1 Tropical Field Biology [TBA]**

A two-week field course introducing students to the diversity of biological communities in the tropics focusing on ecological and evolutionary interactions. Plant and animal communities of the New World tropics are compared and contrasted with temperate communities. Student research projects included. Offered in August 2016 (location: Peru). Not eligible for CR/NCR option.

Prerequisite: BIO220H1 and permission of department

Recommended Preparation: A second or third year ecology, evolution or environmental biology course; and a course in statistics

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### **EEB403H0 Tropical Field Biology [TBA]**

A two-week field course introducing students to the diversity of biological communities in the tropics focusing on ecological and evolutionary interactions. Plant and animal communities of the New World tropics are compared and contrasted with temperate communities. Student research projects included. Offered in August 2016 (location: Peru). Fee for accommodations, food, within course travel, station fee, etc. will apply. See Departmental website for details. Not eligible for CR/NCR option.

Prerequisite: BIO220H1 and permission of department

Recommended Preparation: A second or third year ecology, evolution or environmental biology course; and a course in statistics

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

# Ecology and Evolutionary Biology

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## **EEB405H1 Temperate Field Biology [TBA]**

A two-week field course offered (in May or August) at U of T's Koffler Scientific Reserve, King City, Ontario. Students learn the natural history of the region and conduct a field-based research project in ecology or evolutionary biology. Offered in August 2016. Fee for accommodations, food, within course travel, station fee, etc. will apply. See Departmental website for details. Not eligible for CR/NCR option.

Prerequisite: BIO220H1 and a course in statistics from EEB225H1 (recommended), PSY201H1, STA220H1/STA250H1/STA257H1, GGR270H1, HMB325H1; and permission of department

Recommended Preparation: A second or third year ecology, evolution or environmental biology course

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **EEB405H0 Temperate Field Biology [TBA]**

A two-week field course offered (in May or August) at U of T's Koffler Scientific Reserve, King City, Ontario. Students learn the natural history of the region and conduct a field-based research project in ecology or evolutionary biology. Offered in August 2016. Fee for accommodations, food, within course travel, station fee, etc. will apply. See Departmental website for details. Not eligible for CR/NCR option.

Prerequisite: BIO220H1 and a course in statistics from EEB225H1 (recommended), PSY201H1, STA220H1/STA250H1/STA257H1, GGR270H1, HMB325H1, and permission of department

Recommended Preparation: A second or third year ecology, evolution or environmental biology course

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **EEB406H1 Inter-University Field Course [TBA]**

A two-week field course offered between May and August by another Ontario university (to various locations) as part of the Ontario Universities Program in Field Biology (OUPFB). The selection of field course modules are announced in January. For registration information and additional fees information consult the EEB website. Not eligible for CR/NCR option.

Prerequisite: Varies on module selected

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **EEB406H0 Inter-University Field Course [TBA]**

A two-week field course offered between May and August by another Ontario university (to various locations) as part of the Ontario Universities Program in Field Biology (OUPFB). The selection of field course modules are announced in January. For registration information and additional fees information consult the EEB website. Not eligible for CR/NCR option.

Prerequisite: Varies on module selected.

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **EEB407H1 Alpine Ecosystems [TBA]**

A two-week field course at a high mountain field station in the summer. Students learn the natural history of alpine and subalpine biomes and investigate major abiotic and biotic interactions. Required projects catalogue natural diversity, examine species interactions, or assess abiotic influences and stresses on high-altitude organisms and their environment. (Not offered in 2016-17.) Not eligible for CR/NCR option.

Prerequisite: BIO220H1, (BIO251H1 or BIO270H1) and permission of department

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **EEB407H0 Alpine Ecosystems [TBA]**

A two-week field course at a high mountain field station in the summer. Students learn the natural history of alpine and subalpine biomes and investigate major abiotic and biotic interactions. Required projects catalogue natural diversity, examine species interactions, or assess abiotic influences and stresses on high-altitude organisms and their environment. (Not offered 2016-17) Not eligible for CR/NCR option.

Prerequisite: BIO120H1, (BIO251H1 or BIO270H1) and permission of department

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **EEB410H1 Lake Ecosystem Dynamics [TBA]**

A two-week field course in August (offered in alternate years) at the Harkness Fisheries Research Laboratory in Algonquin Park, Ontario. Field and laboratory exercises demonstrate how interactions between physical, chemical, and biological parameters are crucial in understanding lake ecosystems. Fundamental and applied issues are discussed. Students collect, analyse, and interpret data, and complete a class project and an individual project. Fee for accommodations, food, within course travel, station fee, etc. will apply. See Departmental website for details. (Next offered in August 2017.) Not eligible for CR/NCR option.

Prerequisite: BIO220H1 and permission of department

Recommended Preparation: At least one 200+ series course in ecology, environmental biology, or physical geography; and a course in statistics

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **EEB410H0 Lake Ecosystem Dynamics [TBA]**

A two-week field course in August (offered in alternate years) at the Harkness Fisheries Research Laboratory in Algonquin Park, Ontario. Field and laboratory exercises demonstrate how interactions between physical, chemical, and biological parameters are crucial in understanding lake ecosystems. Fundamental and applied issues are discussed. Students collect, analyse, and interpret data, and complete a class project and an individual project. Fee for accommodations, food, within course travel, station fee, etc. will apply. See Departmental website for details. (Next offered in August 2017.) Not eligible for CR/NCR option.

Prerequisite: BIO220H1 and permission of department

Recommended Preparation: At least one 200+ series course in ecology, environmental biology, or physical geography; and a course in statistics

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **EEB428H1 Global Change Ecology [24L/24T]**

An examination of organism, population, and ecosystem responses to long-term environmental change occurring at the global scale, with emphasis on human caused perturbation to climate and the carbon, nitrogen, and hydrologic cycles and their ecological effects.

Prerequisite: BIO220H1 and at least 1.0 FCE from EEB at 300+ series

Recommended Preparation: ENV234H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## EEB430H1 Theoretical Ecology [24L/24P]

Theoretical ecology uses models to explain biological phenomena such as the maintenance of biodiversity, population growth, competition, eco-evolutionary dynamics, epidemiology, spatial ecology, and species extinction. Students will learn to develop and analyse ecological models, and apply models to analyse and interpret data. (Not offered in 2016-17)

Prerequisite: BIO220H1, EEB225H1, MAT136H1, and at least one of

EEB319H1/EEB321H1/EEB322H1/EEB323H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## ENV432H1 Urban Ecology [24L/12S]

The ecology of urban areas through consideration of the biological and physical environments, in particular how the human-constructed environment alters pre-existing biophysical conditions and interactions.

Encompasses a comparative perspective to study the development of these emerging ecosystems of increasing importance given global urbanization. One or two Saturday field trips (a fee of approximately \$15 may be charged for field trip transportation.)

Prerequisite: At least one of

EEB319H1/EEB321H1/EEB365H1/ENV334H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## EEB433H1 Global issues in Aquatic Ecosystems [36L]

Advanced study of ecological principles and applied issues in freshwater and marine systems. Lectures and student-led discussions will cover physical, chemical, and biological interactions, from microbes to marine mammals. Topics may include carbon and nutrient cycling, food webs & trophic downgrading, ocean acidification, hydrothermal vents & connectivity in the oceans, lake management.

Prerequisite: BIO220H1, ENV234H1 and one of

EEB319H1/EEB321H1/EEB328H1/ENV334H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## EEB440H1 Ecology and Evolution of Plant-Animal Interactions [24L/12T]

Major concepts in ecology and evolution from the perspective of plant-animal interactions. The richness of interactions between plants and animals is explored including antagonistic interactions (e.g., herbivory, carnivorous plants), mutualistic interactions (e.g., pollination, seed dispersal, ant-plant associations), and interactions involving multiple species across trophic levels. There may be a field trip held on a Saturday or Sunday. A fee of approximately \$15 may be charged for field trip transportation.

Prerequisite: BIO220H1, a course in statistics (from EEB225H1 (recommended)/PSY201H1/STA220H1/STA257H1/GGR270H1/HMB325H1) and at least one of

EEB318H1/EEB319H1/EEB321H1/EEB323H1/EEB324H1/EEB328H1/EEB403H1/EEB403H0/EEB405H1/EEB405H0/EEB406H1/EEB406H0/EEB407H1/EEB407H0/EEB410H1/EEB410H0

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## EEB455H1 Genes, Environment and Behaviour [18L/18S]

An examination of the Gene-Environment Interplay perspective as sources of individual differences in behaviour, from both mechanistic and evolutionary viewpoints. Both historical and recent studies are used to illustrate important concepts in the field. Student-led discussions address the evidence base for these concepts.

Prerequisite: BIO220H1, HMB265H1/BIO260H1, and at least 12.0 FCEs (including 1.0 FCE 300+ level series EEB course)

Recommended Preparation: EEB322H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## EEB459H1 Population Genetics [24L/12T]

A focus on theoretical population genetics, using mathematical models to understand how different evolutionary forces drive allele frequency change. Students learn how to mathematically derive classic results in population genetics. Topics include drift, coalescence, the relationship between population and quantitative genetics, selection in finite populations, and mutation load. Offered in alternate years; next offered in 2017-18.

Prerequisite: BIO260H1/HMB265H1, EEB323H1

Recommended Preparation: A solid understanding of basic algebra and calculus.

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## EEB460H1 Molecular Evolution and Genomics [24L/12T]

Processes of evolution at the molecular level, and the analysis of molecular data. Gene structure, neutrality, nucleotide sequence evolution, sequence evolution, sequence alignment, phylogeny construction, gene families, transposition.

Prerequisite: BIO220H1, BIO230H1/BIO255H1, BIO260H1/HMB265H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## EEB465H1 Advanced Topics in Biodiversity Science and Conservation Biology [36L]

Biodiversity in the Anthropocene. This course links the biological and social sciences to identify human goals for future biodiversity, methods to achieve this biodiversity, and to understand key issues such as the "end of the wild", "ecosystem services" as a unit of conservation, "animal welfare" as a moral responsibility, and "GMOs" as biodiversity. Practical training is provided in identifying "species at risk", and in applying ecological-economics to "trade-off" decisions.

Prerequisite: BIO220H1, EEB255H1 and at least 1.0 FCE from EEB at 300+ series

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## EEB466H1 Approaches to the Study of Biodiversity [24L/24P]

This course uses the collections, research, and public gallery areas of the Royal Ontario Museum to expose students to the ways in which biodiversity is discovered, analyzed, and interpreted in a museum setting. Topics include: morphological and molecular approaches, taxonomy, classification, bioinformatics and e-taxonomy, and the interpretation of biodiversity for the public. Labs include student projects and a one-day field trip on a weekend (cost about \$20).

Prerequisite: EEB365H1 and at least one organismal course from EEB266H1, EEB267H1, EEB268H1, EEB330H1, EEB331H1, EEB337H1, EEB356H1, EEB360H1, EEB380H1, EEB382H1, EEB384H1, EEB386H1, EEB388H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## EEB488H1 Research Issues in Ecology and Evolutionary Biology [36S]

This course is taken concurrently by students who are enrolled in EEB498Y1 Advanced Research Project in Ecology and Evolutionary Biology, and uses a combination of seminars, discussions, and presentations (including presentations by students) designed to cover issues commonly encountered when conducting research in ecology and evolutionary biology. Topics may include experimental design, effective

# Ecology and Evolutionary Biology

use of statistics, scientific writing and publishing, public communication, ethics, and career development. Students will be required to attend departmental seminars. This half-course runs from September to April and meets in alternate weeks. Students who apply to EEB497H1 in the fall session can also apply to enrol concurrently in EEB488H1.

Prerequisite: Permission of the department

Corequisite: EEB498Y1 (or EEB497H1 Fall)

Exclusion: EEB499Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **EEB492H1 Professional Experience in Ecology and Evolutionary Biology [TBA]**

A one-term intensive internship (in summer or fall term, for half credit) providing a placement and hands-on experience, in an ecologically or evolutionary context, with an organization such as a zoo, conservation authority, government agency, non-governmental organization, or media outlet. Provides senior students with a unique opportunity to communicate and translate the concepts learned in their ecology, evolutionary biology, or conservation biology courses in a practical way. Placements may require a commitment of one or two full days each week. Not eligible for CR/NCR.

Prerequisite: At least 2.5 FCEs in EEB at the 300+ series level, and permission of instructor (application in department)

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **EEB492Y1 Professional Experience in Ecology and Evolutionary Biology [TBA]**

A one-term intensive internship (in summer or fall term, for full credit) providing a placement and hands-on experience, in an ecologically or evolutionary context, with an organization such as a zoo, conservation authority, government agency, non-governmental organization, or media outlet. Provides senior students with a unique opportunity to communicate and translate the concepts learned in their ecology, evolutionary biology, or conservation biology courses in a practical way. Placements require a commitment of two or more full days each week. Not eligible for CR/NCR.

Prerequisite: At least 2.5 FCEs in EEB at the 300+ series level, and permission of instructor (application in department).

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **EEB495H1 Seminar in Ecology and Evolutionary Biology [24S]**

Seminar course in ecology and evolutionary biology, emphasizing critical thinking and the synthesis of ideas crossing disciplinary boundaries. Group discussions among peers, facilitated by faculty, and student presentations. Discussions include critical analysis of research and review articles in the primary literature. Evaluation based on presentations, participation in class discussions, and written assignments. A half-course offered in both Fall and Winter sessions.

Prerequisite: A minimum of 1.0 FCE in EEB courses at the 300+ level (at least 0.5 FCE in ecology and 0.5 FCE in evolutionary biology is highly recommended)

Exclusion: EEB494H1/EEB494Y1/EEB495Y1/EEB496H1/EEB496Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **EEB496H1 Seminar in Behaviour and Behavioural Ecology [24S]**

Topics in behavioural ecology including predator-prey interactions, host-parasite interactions, mate choice, and foraging. Other topics for general discussions may include animal emotions, consciousness, culture and welfare. Evaluation based on presentations, participation in class discussions, and written assignments.

Prerequisite: EEB322H1 (minimum GPA of 2.7); and one of

EEB318H1/EEB323H1/EEB324H1/EEB362H1/EEB403H1/EEB403H0/EEB405H1/EEB405H0/EEB406H1/EEB406H0/EEB407H1/EEB407H0/EEB410H1/EEB410H1 or  
PSY362H1/PSY390H1/PSY392H1/PSY397H1

Exclusion: EEB495H1/EEB495Y1/EEB496Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **EEB497H1 Research Studies in Ecology & Evolutionary Biology [TBA]**

An independent studies half-course allowing students to conduct research which is supervised by a faculty member in the Department of Ecology and Evolutionary Biology. Highly motivated fourth-year students will work closely with a supervisor, and will be required to write up the results of their research in a final research paper. Students should contact a potential supervisor well before classes begin in the fall, winter, or summer session. Information on how to apply for the course is available on the EEB website. Students cannot take more than two independent research courses of EEB 497H1, 498Y1, and 499Y1, and the second project must be with a different supervisor. Students who apply to EEB497H1 in the fall session can also apply to enrol concurrently in EEB488H1Y. Not eligible for CR/NCR option.

Prerequisite: Permission of department

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **EEB498Y1 Advanced Research Project in Ecology and Evolutionary Biology [TBA]**

An advanced research project (a literature review alone is not sufficient) requiring the prior consent of a member of the Department to supervise the project. The topic is to be one mutually agreed on by the student and supervisor. They must arrange the time, place, and provision of any materials and submit to the Undergraduate Office a signed form of agreement outlining details prior to being enrolled. This course is normally open only to highly self-motivated students who are in their Fourth-Year and have adequate background in ecology and/or evolutionary biology. Students are required to write up the results of their research in a formal paper, often in the format of a research article, and are also required to present the results at a poster session and/or oral presentation. The time commitment is approximately 8 hours per week. Students should contact their potential supervisors over the summer before classes begin in September. Information regarding how to register for the course is available on the EEB website. Students in this course are also concurrently enrolled in EEB488H1Y Research Issues in Ecology and Evolutionary Biology. Not eligible for CR/NCR option.

Prerequisite: Permission of department

Corequisite: EEB488H1Y

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### **EEB499Y1 Advanced Research Project in Ecology and Evolutionary Biology II [TBA]**

Allows students to do another independent project, supervision of which must be different from EEB497H1/EEB498Y1. Operates in the same manner as EEB498Y1. Not eligible for CR/NCR option.

Prerequisite: EEB497H1/EEB498Y1 and permission of department  
Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## Faculty

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### University Professor Emeritus

S. Hollander, OC, BScEcon, Ph D, LLD, FRSC

### Professors Emeriti

R.A. Berry, BA, Ph D  
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D.E. Moggridge, MA, Ph D  
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T.A. Wilson, AM, Ph D, FRSC  
J.W.L. Winder, MA, Ph D

### Professor and Chair of the Department

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### Professor and Associate Chair, Graduate Studies

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### Associate Chair, Undergraduate Studies

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### University Professor

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### Associate Professors

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X. Shi, MA, Ph D (University of Toronto Mississauga)  
C. Stewart, MA, M Phil, M Sc, Ph D

### Associate Professors, Teaching Stream

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K. Yu, MA, Ph D (University of Toronto Mississauga)

### Assistant Professors

N. Bau, BA, Ph D (University of Toronto Mississauga)  
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A. Blouin, MA, Ph D  
P. Cziraki, MSc, M Phil, Ph D  
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R. Deb, MA, M Phil, (University of Toronto Mississauga)  
S. Dyrda, MA, Ph D (University of Toronto Mississauga)  
S. Eli, BA, Ph D  
J. Gu, MS, Ph D (University of Toronto Mississauga)  
Y. Halberstam, MA, Ph D  
J. Hall, BA, Ph D  
K. Kroft, MA, Ph D  
N. Li, MA, Ph D (University of Toronto Mississauga)  
Y. Luo, MA, Ph D  
I. Mourifié, MSc, Ph D  
S. Ozkan, MA, MSc, Ph D  
P. Salardi, MA, Ph D  
D. Seim, BA, Ph D (University of Toronto Mississauga)  
M. Serafinelli, MA, Ph D (University of Toronto Mississauga)  
E. Souza Rodrigues, MA, MSc, MPhil, Ph D (University of Toronto Mississauga)  
J. Steinberg, BA, Ph D  
J. Suzuki, MA, Ph D  
L.M.F. Turner, MSc, Ph D (University of Toronto Mississauga)  
R. Wolthoff, MSc, Ph D (University of Toronto Mississauga)  
Y. Wan, MA, Ph D



**Assistant Professors, Teaching Stream**

L. Bailey, BA, MA (University of Toronto Mississauga)  
 K. Freitas, B Sc, PhD  
 R. Gazzale, MA, Ph D

**Status Only Faculty**

A.J. Cohen, Ph D  
 G. Georgopoulos, MA, Ph D

**Adjunct Professor**

D.P. Dungan, MA, Ph D

**Sessional Lecturers**

M. Anjomshoa, MA, M Phil  
 R. Barber, MA, LL.M  
 K. Furlong, MA, Ph D  
 R. Ghaeli, MA, Ph D  
 M.C. Ho, MA, Ph D  
 J. Kantarevic, MA, Ph D  
 P. Tomlinson, BA, Ph D  
 W.G. Wolfson, B Com, MA  
 A. Yang, MBA, MS, PhD  
 P.M.V. Yu, MS, Ph D

Economics is a social science that encompasses a broad range of human behaviour and has a strong influence on the structure, well-being and development of a society.

Much of human activity is directed towards the satisfaction of material wants. In many areas of the world, the greater part of human effort must be directed towards meeting the most elemental demands for food, clothing, and shelter. Even in technologically advanced societies, where these basic requirements can be met with comparative ease, the desire for more goods and services never appears to be fully satisfied. In consequence, every society - whatever its political orientation - is both competitive and cooperative. It is competitive because its members contend with one another to satisfy their individual wants from a limited supply of productive resources. It is cooperative because the greatest supply of goods is available when the activity of producing them is coordinated and organized. Economics deals with any issue arising out of the conflict between the demand for goods and services, and a limited supply of resources to satisfy those demands.

Undergraduate training in economics is intended to familiarize students with the discipline of economic thinking, to equip them to better understand human behaviour, and for the intelligent appraisal of contemporary economic problems.

Economics makes considerable use of mathematics in its enquiries. All economics programs require at least one course in mathematics.

An undergraduate degree is generally not sufficient to become a professional economist. For this or other reasons, graduate work may be necessary. Students who wish to do graduate work should seek advice from the Department concerning their choice of courses. The Economics Specialist program and the Economics and Mathematics program, with their greater emphasis on mathematics, are designed to prepare students for graduate study, and are an excellent starting place.

Undergraduate Administrator: R. Innes

Undergraduate Assistant: D. Navarro

Commerce Assistant: J. Fan

Enquiries: 150 St. George Street (416-978-4603)

**Economics Programs**

These are limited enrolment programs. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol (please read entry requirements for each program carefully). Consult the Arts & Science Program Enrolment instructions for details and instructions.

**NOTE: Please read prerequisites and exclusions carefully. Course prerequisites are strictly enforced and are not just "recommended preparation." For all mathematics and statistics course prerequisites, the level of the course is also important. For all third and fourth year economics courses, FULL YEAR intermediate course prerequisites are mandatory: a similar "half course" version is not acceptable. All prerequisites must be fully completed BEFORE a course can be taken. Courses that are prerequisites cannot be taken simultaneously with the courses for which they are a prerequisite (i.e., they are not "co-requisites"). Students from other institutions must show their transcripts to the department if they are using prior courses as prerequisites. The same rules apply.**

**Economics Specialist (Arts program)**

The Economics Specialist program is a limited enrolment program. All students who request the program and obtain at least the specified marks in the required courses will be eligible to enroll.

Students interested in the Specialist program apply and enter from the Major program, after having completed the Year 2 requirements of the program as described below. Note that course substitutions may not be used to enter this program.

**Entry Requirements (from the Major program):**

A minimum of 70% in each course in the trio of intermediate courses:

- ECO206Y1(70%), **and**
- ECO208Y1(70%), **and**
- ECO220Y1(70%)/ECO227Y1(70%)/(STA257H1(70%),STA261H1(70%)).

*Note:* In order to meet the pre-requisites for the specialist-oriented second-year courses (ECO206Y1, ECO208Y1, and ECO227Y1), students must obtain a mark of at least 70% in ECO100Y1, and earn a minimum of 60% in (MAT135H1, MAT136H1) or 55% in MAT137Y1.

**Program Course Requirements: 12 full courses or their equivalent**

*First Year (2.0 FCE):*

1. ECO100Y1;
2. (MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1

*Note:* MAT133Y1 is not a suitable substitute for (MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1.

*Second Year (Core Courses, 3.0 FCE):*

- ECO206Y1, ECO208Y1, ECO220Y1/ECO227Y1/(STA257H1, STA261H1)

*Third Year (Core Courses, 1.5 FCE):*

- ECO325H1, ECO326H1, ECO375H1

*Third Year and Higher (ECO Electives, 5.5 FCE):*

1. 4.5 FCE 300-level ECO or higher
2. 1.0 FCE 400-level ECO

*Notes:*

1. ECO210H1 is highly recommended, especially for students interested in graduate studies. Students may count ECO210H1 towards the

# Economics

- Specialist program in lieu of a 0.5 300-level ECO elective.
2. While 200-level or higher math or statistics courses may complement the Economics Specialist courses, they **cannot** be used as substitutes for economics courses in this program.
  3. Students are nevertheless encouraged to take more math if they plan on pursuing graduate studies. Students should especially consider MAT221H1/MAT223H1/MAT240H1 (Linear Algebra), MAT235Y1/MAT237Y1 (Multivariate Calculus), MAT246H1 (Abstract Mathematics), or even consider doing a Minor program in Mathematics.
  4. ECO475H1 is strongly recommended
  5. STA302H1/STA303H1 are not accepted in lieu of ECO375H1
  6. (STA220H1, STA255H1) are not accepted in lieu of ECO220Y1/ECO227Y1/(STA257H1, STA261H1).

## Economics Major (Arts program)

This is a limited enrolment program. Students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol.

### Required courses and grades for program enrolment:

(ECO100Y1 with a final mark of at least 67%, **or** ECO105Y1 with a final mark of at least 80%), **AND**  
MAT133Y1 with a final mark of at least 63%, **or**  
(MAT135H1 with a final mark of at least 60% and MAT136H1 with a final mark of at least 60%), **or**  
MAT137Y1 with a final mark of at least 55%, **or**  
MAT157Y1 with a final mark of at least 55%.

### Program Course Requirements: 7 full courses or their equivalent

#### First Year (2.0 FCE):

1. ECO100Y1/ECO105Y1;
2. MAT133Y1/(MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1

#### Second Year (Core courses, 3.0 FCE):

1. ECO200Y1/ECO204Y1/ECO206Y1,
2. ECO202Y1/ECO208Y1/ECO209Y1,
3. ECO220Y1/ECO227Y1/(STA220H1, STA255H1)/(STA257H1, STA261H1)

#### Third and Higher Years (ECO Electives, 2.0 FCE):

1. 1.5 FCE 300+ series ECO courses
2. At least 0.5 FCE 400 level ECO course

#### Notes:

1. Eligibility for all Economics programs is based, in part, on attaining a minimum grade in ECO100Y1 or ECO105Y1 (which are exclusions to each other). Students are reminded that they may only repeat a course *once* as per Faculty regulations. For admission to a program requiring ECO100Y1 or ECO105Y1, this means that students have a combined total of *at most* two tries at ECO100Y1, ECO105Y1 or any comparable course (e.g., at UTSC or UTM). No third try will be considered in order to meet the minimum grade requirement for admission to a program.
2. Students in the Major program considering graduate studies in Economics are advised to take the more mathematical stream courses (ECO206Y1, ECO208Y1), and also some or all of the 300-level advanced micro, macro, and econometrics sequence (ECO325H1, ECO326H1, and ECO375H1).
3. Students considering graduate studies in Economics are also encouraged to take more than the minimum amount and level of math. Students should especially consider MAT221H1/MAT223H1/MAT240H1 (Linear Algebra),

- MAT235Y1/MAT237Y1 (Multivariate Calculus), MAT246H1 (Abstract Mathematics), or even consider doing a Minor program in Mathematics.
4. Students should pay careful attention to the courses they choose to meet the 200-level statistics requirements. The accepted combinations are precisely as stated. In particular, STA220H1+STA255H1 and STA257H1+STA261H1 are distinct packages of courses, and the elements cannot be combined any other way.
  5. Students combining other programs with Economics need to confirm that their chosen statistics courses meet the requirements of both programs. Besides the combinations noted in descriptions of the ECO programs, the only other accepted combinations for ECO Major program, and course prerequisite conditions, are precisely: STA247H1+STA248H1, and PSY201H1+STA255H1.
  6. Students in the Major program in Economics cannot be enrolled in the Minor program in Environmental Economics.

## Economics Minor (Arts program)

### Required courses and grades for program enrolment:

(ECO100Y1 with a final mark of at least 67%, **or** ECO105Y1 with a final mark of at least 80%), **AND**  
MAT133Y1 with a final mark of at least 63%, **or**  
(MAT135H1 with a final mark of at least 60% and MAT136H1 with a final mark of at least 60%), **or**  
MAT137Y1 with a final mark of at least 55%, **or**  
MAT157Y1 with a final mark of at least 55%.

### Program Course Requirements: 4 full courses or their equivalent

#### First Year (2.0 FCE):

1. ECO100Y1/ECO105Y1;
2. MAT133Y1/(MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1

#### Second Year (Core courses, 1.0 FCE):

- ECO200Y1/ECO204Y1/ECO206Y1

#### Third and Higher Years (ECO Electives, 1.0 FCE):

- 1.0 FCE 300+ series ECO courses

#### NOTES:

1. Students enrolled in the Minor Program in Economics cannot be enrolled in any other Minor, Major, Specialist or Joint Specialist Economics program;
2. Eligibility for all Economics programs is based, in part, on attaining a minimum grade in ECO100Y1 or ECO105Y1 (which are exclusions to each other). Students are reminded that they may only repeat a course *once* as per Faculty regulations, which means that students may have *at most* a combined total of two attempts at ECO100Y1, ECO105Y1 or any comparable course (e.g., at UTSC or UTM). No third attempt will be considered in order to meet the minimum grade requirement for admission to a program (failed attempts do not count).
3. Many 300-level and higher courses in economics **require** ECO220Y1. While not a formal part of the Economics Minor program, students **MUST** meet the specified prerequisites for 300+ economics courses, and should seriously consider taking ECO220Y1.

## Financial Economics Specialist (Science program)

This is a limited enrolment program. Students enrolled in this program cannot simultaneously be enrolled in any other Economics specialist, joint specialist, major or minor program in Economics, or in Economic History or in the B.Com program.

This is a Type 2L limited program and so meeting the minimum course marks specified above will not necessarily guarantee admission.

Students interested in the Specialist program apply and enter from the Major program, after having completed the Year 2 requirements of the program as described below.

### Entry Requirements (from the Major program):

A minimum of 80% in each course in the trio of intermediate courses:

- ECO206Y1(80%), **and**
- ECO208Y1(80%), **and**
- ECO227Y1(80%)/(STA257H1(80%),STA261H1(80%).

*Note:* In order to meet the pre-requisites for the specialist-oriented second-year courses (ECO206Y1, ECO208Y1, and ECO227Y1), students must obtain a mark of at least 70% in ECO100Y1, and earn a minimum of 60% in (MAT135H1, MAT136H1) or 55% in MAT137Y1.

### Program Course Requirements: 13 full courses or their equivalent

#### First Year (2.0 FCE):

1. ECO100Y1;
2. (MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1

*Note:* MAT133Y1 is not a suitable substitute for (MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1.

#### Second Year (Core Courses, 3.0 FCE):

- ECO206Y1, ECO208Y1, ECO227Y1/(STA257H1, STA261H1)

#### Third Year (Core Courses, 2.5 FCE):

1. ECO325H1, ECO326H1, ECO375H1
2. ECO358H1, ECO359H1

#### Third Year and Higher (Electives, 5.5 FCE, at least 1.0 at the 400-level):

1. 1.0 FCE from ECO349H1, ECO356H1, ECO357H1, ECO456H1, ECO461H1/ECO460H5, ECO462H1/ECO434H5, ECO463H1/ECO463H5, ECO464H1, ECO465H1, ECO475H1
2. 4.5 additional 300+ ECO credits

#### Notes:

1. Some required courses at upper-year levels may be offered only on the St. George or on the University of Toronto Mississauga campus in any given year. Students registered in this program at either campus may have to attend lectures on the other campus in such cases.
2. MAT221H1/MAT223H1/MAT240H1 is recommended as preparation for ECO375H1. Students taking one of these MAT courses can have it count in lieu of a 0.5 300-level ECO credit required for this program.
3. (MAT235Y1/MAT237Y1)/ECO210H1 is strongly recommended for this program. Students taking one of these courses can have it count in lieu of 0.5 300-level credit required for this program.
4. ECO475H1 is strongly recommended
5. STA302H1/STA303H1 are not accepted in lieu of ECO375H1
6. (STA220H1,STA255H1) are not accepted in lieu of ECO220Y1/ECO227Y1/(STA257H1,STA261H1).

### Economics & Mathematics Specialist (Science program)

The Economics & Mathematics Specialist program is a limited enrolment program. All students who request the program and obtain at least the specified marks in the required courses will be eligible to enroll.

Students interested in the Economics & Mathematics Specialist program apply and enter from either the Economics Major or Mathematics Major program, after having completed the Year 2 requirements of the program as described below. Note that course substitutions may not be used to enter this program.

### Entry Requirements (from the Economics or Mathematics Major program):

- A minimum of 70% in ECO206Y1, **and**
- A minimum of 70% in ECO208Y1, **and**
- A minimum of 60% in MAT137Y1/MAT157Y1.

*Note:* In order to meet the pre-requisites for the specialist-oriented second-year courses (ECO206Y1, ECO208Y1, and ECO227Y1), students must obtain a mark of at least 70% in ECO100Y1, and earn a minimum of 60% in (MAT135H1, MAT136H1) or 55% in MAT137Y1/MAT157Y1.

### Program Course Requirements: 13 full courses or their equivalent

#### First Year (2.0 FCE):

1. ECO100Y1;
2. MAT137Y1/MAT157Y1

#### Second Year and Higher (Core Courses, 8.5 FCE):

1. ECO206Y1, ECO208Y1, ECO220Y1/ECO227Y1/(STA257H1, STA261H1)
2. MAT223H1/MAT240H1, MAT224H1/MAT247H1, MAT237Y1/MAT257Y1, MAT246H1, MAT244H1/MAT267H1
3. ECO325H1, ECO326H1, ECO375H1
4. MAT336H1/MAT337H1/MAT357H1, APM462H1

#### Third Year and Higher (Elective Courses, 2.5 FCE):

1. 0.5 300+ ECO course
2. 1.0 400-level ECO course
3. 1.0 300-level or higher MAT (or APM) courses (in addition to APM462H1).

#### Notes:

1. Students must meet all prerequisites for upper-year math and economics courses, and should choose their sequencing of courses accordingly.
2. MAT223H1/MAT240H1 may be taken in First Year.
3. ECO475H1 is strongly recommended.
4. STA302H1/STA303H1 are not accepted in lieu of ECO375H1.
5. Students with MAT157Y1 cannot take MAT246H1 (it is an exclusion). Such students can instead substitute any 300-level MAT or APM course to meet the MAT246H1 requirement.

## Other Programs

Finance & Economics (BCom) - See Rotman Commerce

Environmental Economics - See School of the Environment

## Economics Courses

### First-Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

# Economics

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## **ECO100Y1 Introduction to Economics [48L/24T]**

An introduction to economic analysis and its applications: price determination; the role of competition; international trade and finance; the theory of production and employment; the role of money and the banking system; monetary and fiscal policy. NOTE graphical and quantitative analysis are used extensively.

Exclusion: ECO105Y1

Recommended Preparation: MCV4U (Calculus & Vectors) and MHF4U (Advanced Functions), or equivalent secondary school mathematics credits

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ECO105Y1 Principles of Economics for Non-Specialists [48L/24T]**

Fundamentals for consumers, businesses, citizens. Microeconomics focuses on cost/benefit analysis: gains from trade, price coordination, competition/monopoly, efficiency/equity tradeoffs, government/market failures, environmental policies, income/wealth distributions. Macroeconomics focuses on: GDP growth, unemployment, inflation, monetary/fiscal policies, business cycles, exchange rates, government deficits/debt, globalization. Emphasizes economic literacy, fewer mathematical tools than ECO100Y1.

Exclusion: ECO100Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ECO200Y1 Microeconomic Theory [48L/24T]**

Theory of markets and prices. Determination of prices through the interaction of the basic economic units, the household as consumer and as supplier of inputs and the business firm as producer and as employer of inputs. The pricing system as the mechanism by which social decisions and allocation of goods are made in a market economy.

Prerequisite: ECO100Y1(67%)/ECO105Y1(80%);

MAT133Y1/(MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1

Exclusion: ECO204Y1, ECO206Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ECO202Y1 Macroeconomic Theory and Policy [48L/24T]**

Theory of output, employment and the price level; techniques for achieving economic stability; central banking and Canadian financial institutions and markets; foreign exchange markets and the exchange rate. This course is not intended for students enrolled in the BCom program; please see ECO209Y1.

Prerequisite: ECO100Y1(67%)/ECO105Y1(80%);

MAT133Y1/(MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1

Exclusion: ECO208Y1, ECO209Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ECO204Y1 Microeconomic Theory and Applications (for Commerce) [48L/24T]**

The use of microeconomics to analyze a variety of issues from marketing and finance to organizational structure. Consumer preferences and behavior; demand, cost analysis and estimation; allocation of inputs, pricing and firm behavior under perfect and imperfect competition; game theory and public policy, including competition policy. Business cases are used to connect theory and practice and to highlight differences and similarities between economics and accounting, marketing and finance. This course is restricted to students in the Commerce programs.

Prerequisite: ECO100Y1(67%), MAT133Y1/(MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1

Exclusion: ECO200Y1, ECO206Y1

Distribution Requirement Status: Social Science

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Breadth Requirement: Society and its Institutions (3)

## **ECO206Y1 Microeconomic Theory [48L/24T]**

This course deals more rigorously and more mathematically with the topics included in ECO200Y1 and is intended primarily for students in certain Economics Specialist programs.

Prerequisite: ECO100Y1(70%); MAT133Y1(63%)/(MAT135H1(60%), MAT136H1(60%))/MAT137Y1(55%)/MAT157Y1(55%)

Exclusion: ECO200Y1, ECO204Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ECO208Y1 Macroeconomic Theory [48L/24T]**

This course deals more rigorously and more mathematically with the topics included in ECO202Y1 and is intended primarily for students in certain Economics Specialist programs.

Prerequisite: ECO100Y1(70%); MAT133Y1(63%)/(MAT135H1(60%), MAT136H1(60%))/MAT137Y1(55%)/MAT157Y1(55%)

Exclusion: ECO202Y1, ECO209Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ECO209Y1 Macroeconomic Theory and Policy (for Commerce) [48L/24T]**

Macroeconomic issues relevant for commerce students. Analytical tools are used to examine policy issues: Canadian government budgets, Bank of Canada monetary policy, exchange rate policy, foreign trade policy and government regulation of financial intermediaries. This course is restricted to students in the Commerce programs.

Prerequisite: ECO100Y1(67%);

MAT133Y1/(MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1

Exclusion: ECO202Y1, ECO208Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ECO210H1 Mathematical Methods for Economic Theory [24L/12T]**

An introduction to mathematical methods commonly used in economic theory. Topics include unconstrained multivariate optimization, multivariate optimization subject to equality or inequality constraints and differential equations.

Prerequisite: ECO100Y1(67%)/ECO105Y1(80%);

MAT133Y1(63%)/(MAT135H1(60%), MAT136H1(60%))/

MAT137Y1(55%)/MAT157Y1(55%)

Corequisite: ECO200Y1/ECO204Y1/ECO206Y1

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **ECO220Y1 Quantitative Methods in Economics [48L/24T]**

Numerical and graphical data description; data collection and sampling; probability; sampling distributions; statistical inference; hypothesis testing and estimation; simple and multiple regression analysis (extensive coverage). Learn how to analyze data and how to correctly interpret and explain results. Applications include research papers in economics.

**Note that for Rotman Commerce students there is no Breadth Requirement status for this course (and courses deemed equivalent in the program requirements in the calendar).**

Prerequisite: ECO100Y1(67%)/ECO105Y1(80%);

MAT133Y1/(MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1

Exclusion: ECO227Y1, GGR270H1, PSY201H1, PSY202H1, SOC300H1, STA107H, STA220H1, STA221H1, STA247H1, STA248H1, STA250H1, STA257H1, STA261H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3) + The Physical and

Mathematical Universes (5)

## **ECO227Y1 Quantitative Methods in Economics [48L/24T]**

A rigorous introduction to probability and mathematical statistics intended for economics specialists. Probability and estimation theory, sampling distributions, hypotheses testing, multiple regression analysis. Students will learn the tools used in economics and finance to model and address randomness and uncertainty.

Prerequisite: ECO100Y1(70%); MAT133Y1(63%)/(MAT135H1(60%), MAT136H1(60%)/MAT137Y1(55%)/MAT157Y1(55%)

Corequisite: Recommended: MAT223H1/MAT240H1, MAT235Y1/MAT237Y1/ECO210H1

Exclusion: ECO220Y1, GGR270H1, PSY201H1, PSY202H1, SOC300H1, STA107H, STA247H1, STA248H1, STA250H1, STA255H1, STA257H1, STA261H1

Distribution Requirement Status: Social Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **ECO230Y1 International Economic Institutions and Policy [48L/24T]**

This course is intended primarily for students in the International Relations and in the Peace & Conflict Studies programs. The key concepts of international trade and finance are reviewed with an eye to understanding contemporary issues and recommending policy initiatives. Attention is given to empirical assessment of alternative trade theories and to broader international relations issues.

Prerequisite: ECO100Y1(67%)/ECO105Y1(80%)/enrolment in the International Relations Specialist or Major Programs, or the IR/Peace and Conflict Studies joint Specialist Program

Exclusion: ECO328Y1/ECO364H1/ECO365H1/ECO364H5/ECO365H5

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **WDW244H1**

WDW244H1

Labour Relations

See Woodsworth College

## **ECO250Y1 Special Topics in Economics [48L/24T]**

Courses may be offered in one or more subjects each year. Students must meet the Prerequisites announced by the Department (see the Undergraduate Administrator or the Economics Department website for details).

Prerequisite: TBA

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **ECO251H1 Special Topics in Economics [24L/12T]**

Courses may be offered in one or more subjects each year. Students must meet the Prerequisites announced by the Department (see the Undergraduate Administrator or the Economics Department website for details).

Prerequisite: TBA

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **ECO252H1 Special Topics in Economics [24L/12T]**

Courses may be offered in one or more subjects each year. Students must meet the prerequisites announced by the Department (see the Undergraduate Administrator or the Economics Department website for details).

Prerequisite: TBA

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **ECO299Y1 Research Opportunity Program**

Credit course for supervised participation in faculty research project.

Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **ECO306H1 American Economic History [24L/12T]**

A survey of American economic history from the ante-bellum period to the present. Potential topics include the the rapid growth of the American economy in the late 19th and early 20th century; Causes of the onset of the Great Depression; The economic impact of slavery and its aftermath; Health and demographic trends; and 20th century trends in inequality.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1; ECO202Y1/ECO208Y1/ECO209Y1;

ECO220Y1/ECO227Y1/(STA220H1, STA255H1)/(STA257H1, STA261H1)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ECO310H1 Empirical Industrial Organization [24L/12T]**

The quantitative analysis of firms' strategies in real-world industries, using tools from applied microeconomics and statistics. Topics include studies of monopoly, oligopoly, imperfect competition, and the estimation of demand and cost functions that underpin these markets.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1,

ECO220Y1/ECO227Y1/(STA220H1, STA255H1)/(STA257H1, STA261H1)

Exclusion: ECO310Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ECO313H1 Environmental Economics and Policies [24L/12T]**

This course demonstrates how a rigorous application of microeconomic techniques can inform our responses to various environmental problems. Topics may include: air and water pollution and renewable resource management.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1,

ECO220Y1/ECO227Y1/(STA220H1, STA255H1)/(STA257H1, STA261H1)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ECO314H1 Energy and the Environment [24L/12T]**

This course surveys important features of energy markets and related environmental challenges. One of the central objectives is to provide an understanding of the key economic tools needed to analyse these markets. A related objective is the development of a framework for understanding the public discourse on energy and the environment. Topics include the hydrocarbon economy (oil, natural gas and coal), electricity markets, global warming and other externalities, renewable energy, conservation, carbon taxes and 'cap-and-trade'.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1,

ECO220Y1/ECO227Y1/(STA220H1, STA255H1)/(STA257H1, STA261H1)

# Economics

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Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ECO316H1 Applied Game Theory [24L/12T]**

Focuses on core ideas and concepts and on applications in various fields such as economics, political science, evolutionary biology. Topics may include voting theory, electoral competition, theory of public goods, free rider problem, oligopoly, repeated interaction, bargaining, evolutionary equilibrium, matching, and auctions.

Note: This course cannot be taken as a substitute in programs that require ECO326H1.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1

Exclusion: ECO326H1, ECO326H5

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ECO320H1 Economic Analysis of Law [24L/12T]**

The practical application of microeconomic theory to common legal problems: torts, contracts, property and crime, and the limitations of economic analysis. No previous familiarity with the law is assumed. (This is an economic analysis of legal issues, not a course in law.)

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ECO321H1 Canadian Economic History prior to 1850 [24L/12T]**

This course applies the tools of economics - theoretical and empirical - to study Canada's historical growth experiences. Topics include: The variation in well-being among indigenous peoples (both pre and post contact), migration and indentured servitude, colonial money, child labour and education, and the rise of factories. The impact of colonial institutions on Canada's economic success is studied in a comparative context.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1

Exclusion: ECO323Y5, ECO321Y1, ECO322Y5

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ECO322H1 Canadian Economic History, 1850-1960 [24L/12T]**

Canadian economic history between 1850 and 1960, with a focus on the debate over the ability of the market mechanism to optimize economic development. Topics covered include tariff policies, Confederation, the transcontinental railroad, opening the West, the Great Depression, monetary policy and the Bank of Canada, regional growth and dominion-provincial relations.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1

Exclusion: ECO323Y5, ECO321Y1, ECO322Y5

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ECO324H1 Economic Development (formerly ECO324Y1) [24L/12T]**

This course critically analyzes issues related to economic development and the associated policy responses. Tools from micro and macroeconomic theory are employed, as well as the critical assessment of empirical evidence. Topics may include education, health, credit markets, inequality, and the role of foreign aid.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1,

ECO220Y1/ECO227Y1/(STA220H1,STA255H1)/(STA257H1,STA261H1)

Exclusion: ECO324Y1

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ECO325H1 Advanced Economic Theory - Macro [24L/12T]**

A development of the microeconomic foundations of macroeconomic theory to expand students analytic skills by constructing and solving macroeconomic models. Topics may include: dynamic choice, neoclassical growth theory, uncertainty and rational expectations, business cycles, as well as fiscal and monetary policy.

Prerequisite: ECO208Y1/ECO202Y1(70%)/ECO209Y1(70%),

ECO220Y1(70%)/ECO227Y1/(STA220H1(70%),

STA255H1(70%))/(STA257H1,STA261H1)

Recommended Preparation: MAT235Y1/MAT237Y1/ECO210H1

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ECO326H1 Advanced Economic Theory - Micro [24L/12T]**

Game theory and applications. Topics include: strategic and extensive games, with applications to economics.

Prerequisite: ECO200Y1(70%)/ECO204Y1(70%)/ECO206Y1,

ECO220Y1(70%)/ECO227Y1/(STA220H1(70%),

STA255H1(70%))/(STA257H1,STA261H1)

Exclusion: ECO316H1, ECO326H5

Recommended Preparation: MAT235Y1/MAT237Y1/ECO210H1

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ECO331H1 Behavioural and Experimental Economics [24L/12T]**

Ample empirical and experimental evidence suggests significant departures from classical assumptions of economic behaviour. For example, humans are neither always perfectly rational nor always self interested. This course describes systematic ways in which behaviour deviates from neoclassical assumptions, generating new, and hopefully more realistic behavioural assumptions that have broad empirical, theoretical and policy implications.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1,

ECO220Y1/ECO227Y1/(STA220H1,STA255H1)/(STA257H1,STA261H1)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ECO332H1 Economics of the Family [24L/24T]**

A use of microeconomics to study the behaviour of the family, including marriage, divorce, intra-family allocations, investment in children and gender roles.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1;

ECO220Y1/ECO227Y1/(STA220H1,STA255H1)/(STA257H1,STA261H1)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ECO333H1 Urban Economics [24L/12T]**

Spatial economic theory and urban public policy: firms and individuals in partial and general equilibrium, land development and land-use controls, urban transportation, efficiency and equity in spending and taxing.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1

Exclusion: ECO333Y1

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

**ECO334H1 Political Economy [24L/12T]**

Political economy investigates the effects of institutional design on policy outcomes and social welfare, applying the tools of economic analysis to political behavior: e.g., models of optimization for various agents, and game theory for their interaction. This course provides an overview of the main theoretical models in political economy, as well as an assessment of the relevant empirical evidence.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1;  
ECO220Y1/ECO227Y1/(STA220H1,STA255H1)/(STA257H1,STA261H1)

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

**ECO336H1 Public Economics (formerly ECO336Y1) [24L/12T]**

Theory of taxation and public goods, and quantitative methods for program evaluation. Additional topics include taxation and income distribution; environmental policy; and the political economy of government policy.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1;  
ECO220Y1/ECO227Y1/(STA220H1,STA255H1)/(STA257H1,STA261H1)

Exclusion: ECO336Y1, ECO337H1  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

**ECO337H1 Public Economics (for Commerce) (formerly ECO336Y1) [24L/12T]**

An introduction to the economics of government similar to ECO336H1, but with greater focus on issues in business and financial economics. Additional topics include business tax planning and corporate financial policy; taxation of saving and risk-taking; and government business enterprises.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1;  
ECO220Y1/ECO227Y1/(STA220H1,STA255H1)/(STA257H1,STA261H1)

Exclusion: ECO336Y1, ECO336H1  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

**ECO338H1 Economics of Careers [24L/12T]**

The economic analysis of careers from the perspectives of both workers and employers: How do people decide what to study, what careers to pursue, and when to change jobs? How do these decisions interact with the structure of firms? The impact of specialization and the division of labor on the evolution of careers is considered, as are the role of cognitive and communication skills in the labor market.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1;  
ECO220Y1/ECO227Y1/(STA220H1,STA255H1)/(STA257H1,STA261H1)

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

**ECO339H1 Labour Economics: Employment, Wages, and Public Policy (formerly ECO339Y1) [24L/12T]**

Using tools from microeconomic theory and statistics, this course introduces students to the study of labour markets, focusing on employment and wage determination, and the application of labour economics to public policy. Topics may include: Labour supply, labour demand, estimating the impact of welfare programs, minimum wages, and other labour market interventions.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1;  
ECO220Y1/ECO227Y1/(STA220H1,STA255H1)/(STA257H1,STA261H1)

Exclusion: ECO239Y1, ECO339Y1, ECO343Y5, ECO344Y5

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

**ECO340H1 Labour Economics: The Distribution of Earnings (formerly ECO339Y1) [24L/12T]**

Using tools from microeconomic theory and statistics, this course studies the determinants of wages across labour markets. Topics include the theory of compensating differentials, human capital, discrimination, immigration, unions, and alternative models of compensation. In addition, students are introduced to microeconomic models of unemployment. Throughout the course, there is an emphasis on the evaluation of empirical evidence.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1;  
ECO220Y1/ECO227Y1/(STA220H1,STA255H1)/(STA257H1,STA261H1)

Exclusion: ECO239Y1, ECO339Y1, ECO343Y5, ECO344Y5  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

**ECO341H1 The economic history of the 20th century: Trade, migration, money, and finance before 1945 (Formerly ECO342Y1) [24L/12T]**

Tailored to advanced students in Economics, Commerce, International Relations and History. The focus is on growth and fluctuations in Europe and North America between roughly 1870 and 1939, with a particular emphasis on international trade and payments, migration, investment, and monetary arrangements.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1/(ECO230Y1, POL208Y1)

Exclusion: ECO342Y1  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

**ECO342H1 Twentieth Century Economic History: Institutions, Growth and Inequality (Formerly ECO342Y1) [24L/12T]**

Tailored to advanced students in Economics, Commerce, International Relations and History. The focus is on institutions, growth and inequality in countries across the world.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1/(ECO230Y1, POL208Y1)

Exclusion: ECO342Y1  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

**ECO349H1 Money, Banking and Financial Markets [24L/12T]**

This course studies the interaction of the monetary and banking sectors with financial markets and the broader economy. It builds especially on tools developed in intermediate macroeconomics, but also focuses on the institutional structure of the Canadian monetary sector, including the role and operation of the Bank of Canada.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1,  
ECO202Y1/ECO208Y1/ECO209Y1,  
ECO220Y1/ECO227Y1/(STA220H1,STA255H1)/(STA257H1,STA261H1)

Exclusion: ECO349H5  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

# Economics

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## **ECO350Y1 Special Topics in Economics [48L/24T]**

Courses may be offered in one or more subjects each year. Students must meet the prerequisites announced by the Department (see the Undergraduate Administrator or the Economics Department website for details).

Prerequisite: TBA

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ECO351H1 Special Topics in Economics [24L/12T]**

Courses may be offered in one or more subjects each year. Students must meet the prerequisites announced by the Economics Department (see the Undergraduate Administrator or the Economics Department website for details).

Prerequisite: TBA

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ECO352H1 Special Topics in Economics [24L/12T]**

Courses may be offered in one or more subjects each year. Students must meet the prerequisites announced by the Department (see the Undergraduate Administrator or the Economics Department website for details).

Prerequisite: TBA

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ECO356H1 Special Topics in Financial Economics [24L/12T]**

Courses may be offered in one or more subjects each year. Students must meet the prerequisites announced by the Department (see the Undergraduate Administrator or the Economics Department website for details).

Prerequisite: TBA

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ECO357H1 Islamic Banking and Finance [24L/12T]**

What makes Islamic Banking and Finance distinct? This course provides an overview of Islamic Economics, Finance and Banking. Students will develop basic understanding and principles governing Islamic Economics & Finance, its history, growth and place in the world economy.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1;ECO220Y1/ECO227Y1/(STA220H1,STA255H1)/(STA257H1,STA261H1)

Exclusion: ECO356H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ECO358H1 Financial Economics I [24L/12T]**

An introduction to economics of financial assets and financial markets.

Topics: inter-temporal choice, expected utility theory, security valuation, selected asset pricing models, market efficiency, and the term structure of interest rates - essential materials for an understanding of the role and operation of financial markets.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1, ECO220Y1/ECO227Y1/(STA220H1,STA255H1)/(STA257H1,STA261H1)

Exclusion: ACT349H1,RSM332H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ECO359H1 Financial Economics II: Corporate Finance [24L/12T]**

Agency and incomplete information problems inherent in financial transactions; the role of contractual arrangements in overcoming them. Financial constraints on investment decisions of firms; the financial system in economic growth; the legal system in the functioning of financial markets. A look at theoretical and empirical literature covering these issues.

Prerequisite: ECO358H1

Exclusion: ACT349H1, RSM333H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ECO362H1 Economic Growth [24L/12T]**

The course considers a broad range of issues that underlie economic growth, including technical progress and the accumulation of human and physical capital. Beyond these factors, the course also investigates the efficiency with which capital is used, the role of foreign trade, and the possible roles for government and culture.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1,

ECO202Y1/ECO208Y1/ECO209Y1,

ECO220Y1/ECO227Y1/(STA220H1,STA255H1)/(STA257H1,STA261H1)

Exclusion: ECO352H1, ECO360Y1, ECO362H5

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ECO364H1 International Trade Theory [24L/12T]**

An examination of the causes and consequences of international trade. The first half develops traditional models of comparative advantage, with the second half examines more recent theoretical and empirical work on trade & wages, the political economy of trade, outsourcing, and firm heterogeneity.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1,

ECO220Y1/ECO227Y1/(STA220H1,STA255H1)/(STA257H1,STA261H1)

Exclusion: ECO230Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ECO365H1 International Monetary Economics [24L/12T]**

Introduction to open economy macroeconomics and international finance. The core objective of the course is to develop macroeconomic models of open economies that can be applied towards gaining an understanding of recent events such as US deficits, financial crises, China's exchange rate policy and the Euro.

Prerequisite: ECO202Y1/ECO208Y1/ECO209Y1

Exclusion: ECO230Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ECO368H1 Economics of Conflict [24L/12T]**

This course explores the links between violent conflict and socioeconomic development. It focuses on micro-level processes leading to conflict, and how conflict and political violence affect people's lives at the household and community levels. It also examines how these processes are linked to wider political and economic issues including governance and the role of institutions. Tools from economic theory are applied alongside country-specific and cross-country empirical evidence.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1,

ECO220Y1/ECO227Y1/(STA220H1,STA255H1)/(STA257H1,STA261H1) Note: Students with ECO100Y1(67%)/ECO105Y1(80%), plus a

full-year of quantitative methods/statistics (e.g., POL242Y1), and who are enrolled in the International Relations or Peace, Conflict and Justice Major or Specialist programs may take this course with



Permission of the Instructor.

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

#### **ECO369H1 Health Economics [24L/12T]**

The provision of health care provides many special problems of informational asymmetry, regulation, insurance and redistribution. A consideration of the demand and supply side problems. Alternative reform proposals for health care are explored.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1,  
ECO220Y1/ECO227Y1/(STA220H1,STA255H1)/(STA257H1,STA261H1)

Exclusion: ECO369Y1

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

#### **ECO370Y1 Economics of Organizations [48L/24T]**

An introduction to the economic analysis of the firm that highlights how organizations and special contractual relationships emerge as alternative institutions to the market for allocating resources. Incentive problems and informal relationships, within and between firms, are important components of this analysis.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1;  
ECO220Y1/ECO227Y1/(STA220H1,STA255H1)/(STA257H1,STA261H1)

Exclusion: ECO381H1

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

#### **ECO374H1 Applied Econometrics (for Commerce) [24L/12T]**

An introduction to econometrics similar to ECO375H1, with greater focus on applications drawn from business and financial economics. The course is built around the statistical foundations and economic applications of the multiple regression model. Using statistical software, students will also learn how to conduct, present, and critique empirical research.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1,  
ECO220Y1(70%)/ECO227Y1/(STA257H1,STA261H1)

Exclusion: ECO375H1, ECO327Y5

Recommended Preparation: MAT221H/MAT223H1/MAT240H1

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

#### **ECO375H1 Applied Econometrics I [24L/12T]**

Introduction to econometrics. Statistical foundations and the interpretation of multiple regression models, with an emphasis on cross-sectional data. Application of regressions to a wide variety of economic questions and data sources, including the use of statistical software.

Problems in the identification of causality, and an introduction to methods of addressing common statistical issues

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1,  
ECO220Y1(70%)/ECO227Y1/(STA257H1,STA261H1)

Exclusion: ECO374H1, ECO327Y5

Recommended Preparation: MAT221H1/MAT223H1/MAT240H1

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

#### **ECO380H1 Markets, Competition, and Strategy [24L/12T]**

This course in applied microeconomics is concerned with the functioning of markets and the behaviour of firms within these markets. The focus is on strategic relationships between organizations, including competitive relationships among firms in the same market and cooperative relationships between a firm and its suppliers and distributors.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1;  
ECO220Y1/ECO227Y1/(STA220H1,STA255H1)/(STA257H1,STA261H1)

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

#### **ECO381H1 Personnel Economics [24L/12T]**

An examination of selected material on compensation and incentives in organizations. Topics include recruitment and hiring, training, turnover, downsizing, motivating workers, teams, allocating authority and task assignment.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1;  
ECO220Y1/ECO227Y1/(STA220H1,STA255H1)/(STA257H1,STA261H1)

Exclusion: ECO370Y1

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

#### **ECO398H0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Social Science  
Breadth Requirement: None

#### **ECO399Y0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Social Science  
Breadth Requirement: None

## **400-level courses**

#### **ECO401H1 Topics in Economic Policy [24L/12T]**

This course covers basic issues in the theoretical and empirical evaluation of public policy. Sample topics include income redistribution through taxation and the provision of social insurance and public goods, the mitigation of externalities, and welfare analysis in behavioral models.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1;  
ECO202Y1/ECO208Y1/ECO209Y1;  
ECO220Y1/ECO227Y1/(STA220H1,STA255H1)/(STA257H1,STA261H1); At least one FCE in ECO at the 300 level or higher.

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

#### **ECO402H1 Topics in Health Economics [24L/12T]**

This course explores a variety of topics in health economics, providing students with an overview of current and historical institutional characteristics of the market for, and public policy towards, health care. Students will apply theoretical and empirical tools to current domestic and international issues in health policy. No previous background in health economics is required.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1;  
ECO202Y1/ECO208Y1/ECO209Y1;  
ECO220Y1/ECO227Y1/(STA220H1,STA255H1)/(STA257H1,STA261H1); At least one FCE in ECO at the 300 level or higher.

# Economics

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Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ECO403H1 Topics in Development Economics and Policy [24L/12T]**

This course covers a variety of topics pertaining to economic development and associated policies. Depending on the course instructor, the focus may be on theories and policies related to poverty alleviation, human capital formation, financial markets, international trade, governance or economic growth  
Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1;  
ECO202Y1/ECO208Y1/ECO209Y1;  
ECO220Y1/ECO227Y1/(STA220H1,STA255H1)/(STA257H1,STA261H1); At least one FCE in ECO at the 300 level or higher.  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ECO404H1 Topics in Managerial Economics [24L/12T]**

Applies quantitative economic methods to real world business-oriented cases. Sample topics include: New product design, Decision making under uncertainty, Market segmentation and price discrimination, Inventory analysis, Game theoretic analysis of price wars, Financial portfolio design, and optimal pricing. Involves substantial modeling in Excel, regression analysis, optimization methods, and financial reports.  
Prerequisite: ECO200Y1(75%)/ECO204Y1/ECO206Y1;  
ECO220Y1/ECO227Y1/(STA220H1,STA255H1)/(STA257H1,STA261H1); At least one FCE in ECO at the 300 level or higher.  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ECO407H1 Competing Views in Macroeconomic Theory and Policy [24L/24T]**

Provides students with a systematic analysis of competing perspectives on key areas of macroeconomic theory and policy. Special attention paid to competing views regarding key fiscal, monetary, and trade policy issues as applied to Canada.  
Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1;  
ECO202Y1/ECO208Y1/ECO209Y1;  
ECO220Y1/ECO227Y1/(STA220H1,STA255H1)/(STA257H1,STA261H1); At least one FCE in ECO at the 300 level or higher.  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ECO408H1 The Economics of Life: A Historical Perspective (Formerly ECO308H1) [24L/12T]**

Demographic economic history within a North American context. Topics include changes over time in marriage markets, fertility, mortality and stature. The impact of property rights within marriage, illegitimacy, the decline of fertility in the nineteenth century and the puzzling inter-temporal divergence between height and wealth during the early nineteenth century.  
Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1;  
ECO202Y1/ECO208Y1/ECO209Y1;  
ECO220Y1/ECO227Y1/(STA220H1,STA255H1)/(STA257H1,STA261H1); At least one FCE in ECO at the 300 level or higher.  
Exclusion: ECO308H1  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ECO409H1 Topics in Money, Banking, and Finance [24L/12T]**

This course examines the foundations of money and financial institutions using tools mastered in micro and macroeconomics. The goal is a set of principles valid for the analysis of monetary policy and institutional regulation in a variety of real world settings.  
Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1;  
ECO202Y1/ECO208Y1/ECO209Y1;ECO220Y1/ECO227Y1/(STA220H1,STA255H1)/(STA257H1,STA261H1); At least one FCE in ECO at the 300 level or higher.  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ECO410H1 Mergers and Competition Policy [24L/12T]**

A combined theoretical, empirical and policy approach to mergers amongst competitors (horizontal mergers). Uses microeconomic models including game theory and econometrics. Delves into recent/current matters assessed by antitrust authorities domestically and/or internationally with applications to specific industries.  
Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1,  
ECO220Y1/ECO227Y1/(STA220H1, STA255H1)/(STA257H1, STA261H1)  
Exclusion: ECO310Y1  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ECO414H1 Energy and Regulation [24L/12T]**

This course provides a general treatment of the economics of energy markets and the use of regulation in addressing environmental and other issues arising in these markets. A central theme is the search for an appropriate balance between market forces and regulatory/government intervention. Familiarity with tools of microeconomics and statistics/econometrics is essential. Topics include oil, natural gas, coal and electricity markets, global warming and other externalities, networks, feed-in-tariffs, carbon taxes, 'cap-and-trade' and incentive regulation.  
Prerequisite: ECO204Y1/ECO206Y1, ECO374H1/ECO375H1  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ECO416H1 Macroeconometric Models for Policy Analysis and Forecasting [24L/12T]**

The construction and operation of macroeconometric models. The use of models for conducting policy simulations and for generating quantitative forecasts of economic activity.  
Prerequisite: ECO325H1, ECO327Y1/ECO374H1/ECO375H1  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ECO418H1 Empirical Applications of Economic Theory [24L/12T]**

Topics class in applied econometrics, emphasizing empirical industrial organization. Emphasis on a balanced treatment of theory and econometric techniques used in empirical research in industrial organization (the study of firms and markets). How firms behave, how market equilibriums arise and how economic policies are used to affect market equilibriums.  
Prerequisite: ECO327Y/ECO374H1/ECO375H1  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ECO419H1 International Macroeconomics [24L/12T]**

Contemporary issues in international monetary economics and macroeconomic policy formulation in open economies like Canada. A study of forces determining interest rates and exchange rates, inflation and unemployment; analysis of government policy in relation to financial markets.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1, ECO202Y1/ECO208Y1/ECO209Y1, ECO220Y1/ECO227Y1/(STA220H1,STA255H1)/(STA257H1,STA261H1) permission of instructor

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ECO420Y1 Special Topics in Economics [48S]**

Seminars or workshops may be offered in one or more subjects each year. Students must meet the Prerequisites announced by the Department. (See the Undergraduate Administrator or the Economics department website for details.)

Prerequisite: TBA, permission of instructor  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ECO421H1 Special Topics in Economics [24S]**

Seminars or workshops may be offered in one or more subjects each year. Students must meet the Prerequisites announced by the Department. (See the Undergraduate Administrator or the Economics Department website for details.)

Prerequisite: TBA; permission of instructor  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ECO422H1 Special Topics in Economics [24S]**

Seminars or workshops may be offered in one or more subjects each year. Students must meet the prerequisites announced by the Department. (See the Undergraduate Administrator or the Economics Department website for details.)

Prerequisite: TBA, permission of instructor  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ECO425H1 Business Cycles [24L/12T]**

This course builds on material covered in ECO325H1. Students will learn how to use business cycle models to better understand key empirical features of the macroeconomy. Topics covered include the financial crisis, monetary policy, fiscal policy, theories of unemployment, and the effects of innovation on economic fluctuations.

Prerequisite: ECO325H1(60%), ECO374H1(60%)/ECO375H1(60%)  
Exclusion: ECO438H1  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ECO426H1 Market Design [24L/12T]**

This course presents the theory and practice of market design, including matching markets and auctions. Sample topics include school choice, kidney exchange, spectrum auctions, and keyword auctions.

Prerequisite: ECO316H1(70%)/ECO326H1(60%)/CSC200Y1(70%)  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ECO428H1 Classical Economic Thought [24L/12T]**

An examination of the price, distribution, and growth theories of major economic thinkers before 1870, from pre-classical contributions by Aristotle, Mercantilists, and Physiocrats to the classical authors Adam Smith, David Ricardo, T.R. Malthus, and Karl Marx.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1; ECO202Y1/ECO208Y1/ECO209Y1

Exclusion: ECO322Y5, ECO429Y1  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ECO429H1 Economic Thought after 1870 [24L/12T]**

Economic analysis between 1870 and 1960, from the foundations of microeconomics by the Marginal Utility theorists of the 1870s (Jevons, Menger, and Walras), Alfred Marshall in the 1890s, and the capital theorists Bohm-Bawerk and Fisher in the early 1900s, to the Keynesian revolution in macroeconomics in the 1930s and Friedman's counter-revolution in the 1950s.

Prerequisite: ECO200Y1/ECO204Y1/ECO206Y1; ECO202Y1/ECO208Y1/ECO209Y1

Exclusion: ECO322Y5, ECO429Y1  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ECO430Y1 Reading Course or Thesis [TBA]**

Intended for advanced Specialist students who have exhausted course offerings in a particular area. Open only when a faculty member is available and willing to supervise. Students must obtain the approval of the Associate Chair for Undergraduate Studies before enrolling. Not eligible for CR/NCR option.

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ECO431H1 Reading Course or Thesis [TBA]**

Intended for advanced Specialist students who have exhausted course offerings in a particular area. Open only when a faculty member is available and willing to supervise. Students must obtain the approval of the Associate Chair for Undergraduate Studies before enrolling. Not eligible for CR/NCR option.

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ECO432H1 Topics in Economics of the Family [24L/12T]**

Economics bring an analytic and quantitative approach to the study of the family. The course will discuss analytic and empirical models of family behaviour, including nature versus nurture, parental investments, quantity and quality tradeoff in children, marital matching, resource allocation within the household, and gender roles.

Prerequisite: ECO204Y1/ECO206Y1, ECO326H1, ECO374H1/ECO375H1

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **ECO433H1 The Economics of Cities and Regions [24L/12T]**

Broad introduction to modern regional and urban economics. In the first part, we study how and why cities grow and develop. In the second part, we explore how cities interact and why they differ in size and perform different activities. The last part looks at regional development and attempts to understand the determinants of regional inequalities.

Corequisite: ECO327Y1/ECO374H1/ECO375H1  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

# Economics

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## **ECO434H1 Topics in Political Economy [24L/12T]**

This course surveys recent advances in political economy, emphasizing the critical evaluation of empirical evidence pertaining to political economic theories. Topics vary by year, but may include voters and electoral competition, and the political economy of media and political agency.

Prerequisite: ECO316H1/ECO326H1/, ECO374H1/ECO375H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ECO435H1 The Economics of Modern China [24L/12T]**

A focus on post-1949 Chinese economy, and the PRCs economic legacy. Economic development during the Maoist period, particularly post-1979 reforms. China's experience is compared to Eastern Europe's and the role of China in the rapidly growing East Asian economy. This is a limited enrolment seminar requiring extensive reading.

Prerequisite: ECO200Y1(70%)/ECO204Y1(70%)/ECO206Y1(70%);

ECO220Y1/ECO227Y1/(STA220H1,STA255H1)/(STA257H1,STA261H1)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ECO436H1 Advanced Economics of Money and Banking [24L/12T]**

This course will introduce formal models of money and banking in the dynamic general equilibrium framework. Students will learn how to solve these models, and how to use them to better understand key empirical features of the macroeconomy.

Prerequisite: ECO325H1(70%)/ECO326H1(70%),

ECO374H1(70%)/ECO375H1(70%)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ECO437H1 Quantitative Macroeconomics [24L/12T]**

In order to capture the complexity of economic behavior and interactions, especially with a significant time dimension, modern models of the macroeconomy make considerable use of computer simulation. This course teaches students both how to develop the economic models, and how to solve and work with them computationally.

Prerequisite: ECO325H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ECO439H1 Empirical Methods in Microeconomics [24L/12T]**

This course studies the methods used in modern program evaluation and micro-econometrics to identify causal effects in the presence of potentially unobserved confounding factors. Covers a range of methods and designs, both experimental and quasi-experimental. There is a heavy emphasis on the application of these methods to a broad range of economic questions.

Prerequisite: (ECO375H1(60%)/ECO374H1(70%)) OR

(ECO200Y1(80%)/ECO204Y1(80%)/ECO206Y1(80%),

(ECO220Y1(80%)/ECO227Y1(80%))

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ECO446H1 Advanced Public Economics (formerly ECO336Y1) [24L/12T]**

An advanced treatment of public economics. Theoretical and empirical methods for public policy analysis. These methods are applied to real-world issues in public economics, including tax avoidance and optimal tax design, valuing public goods, and other topics.

Prerequisite: ECO336H1(60%)/ECO337H1(60%)

Exclusion: ECO336Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ECO451H1 Macroeconomic Growth [24L/12T]**

Studies current empirical evidence, and corresponding theoretical models to explain and understand macroeconomic growth, and its varied experience across countries. Coverage and depth of treatment go beyond ECO362H1. Students may benefit from, but need not have taken ECO362H1.

Prerequisite: ECO325H1(60%), ECO374H1(60%)/ECO375H1(60%)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ECO456H1 Special Topics in Financial Economics [24L/12T]**

Courses may be offered in one or more subjects each year. Students must meet the prerequisites announced by the Department (see the Undergraduate Administrator or the Economics Department website for details).

Prerequisite: TBA

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ECO459H1 International Trade Regulation [24L]**

The theory and political economy of international trade, with examination of specific trade institutions: Bretton Woods, WTO, NAFTA, tariff administration, most-favoured nation treatment, antidumping regulation, subsidies and countervailing duties, agriculture, trade in services, trade-related intellectual property, trade and environment, trade and developing countries.

Prerequisite: ECO364H1, ECO365H1, permission of the instructor

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ECO461H1 The Economics of Financial Risk Management [24L/12T]**

This course is intended primarily for students in the Financial Economics specialist program and is not open to students in the BCom program. The role of risk management in both private and public sectors, a discussion of why firms and government should hedge financial risks; individual and social gains of financial risk management; identification and quantification of financial risks (including Value-at-Risk measures); how derivative securities can be used for financial risk management.

Prerequisite: ECO358H1(70%)

Exclusion: ACT349H1, RSM332H1, RSM333H1, RSM435H1,

ECO460H5, ECO461H5

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ECO462H1 Financial Econometrics [24L/12T]**

This course is intended primarily for students in the Financial Economics specialist program. An introduction to the econometrics used in empirical finance, with an emphasis on estimation and inference using computer based applications. Topics will include parametric and nonparametric models of volatility, evaluation of asset pricing theories and models for risk management and transactions data.

Prerequisite: ECO358H1(70%),

(ECO375H1(70%),(ECO475H1(70%)/ECO376H1(70%)/ECO327Y5(70%))

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**ECO463H1 Financial Market Microstructure [24L/12T]**

Security prices evolve through a large number of bilateral trades, performed by people that have specific, well-regulated and institutionalized roles. Market microstructure is the subfield of financial economics that studies the price formation process. Using the lens of theoretical economic models, this course reviews insights concerning the strategic trading behaviour of individual market participants, and models are brought market data. The course further studies how public and private information, market regulation, and trading arrangements, such as limit order books or dark pools, affect behavior.

Prerequisite: ECO358H1(70%)/RSM330H1(70%),

ECO374H1(70%)/ECO375H1(70%)

Exclusion: ECO463H5

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**ECO464H1 Empirical Financial Economics [24L/12T]**

The course develops the tools used in empirical research in financial economics. Coverage may include discrete choice models, duration models, instrumental variables, differences-in-differences, regression discontinuity, propensity score estimators, sample selection models and cumulative abnormal return calculation. Topics are drawn from ownership structure, mergers and acquisitions, capital structure, payout policy, CEOs' effect on the firm, executive compensation, insider trading, shareholder activism, and bank financing.

Prerequisite: ECO358H1(70%)/RSM330H1(70%),

ECO374H1(70%)/ECO375H1(70%)/ECO327Y5(70%)

Recommended Preparation: ECO359H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**ECO465H1 International Financial Markets [24L/12T]**

An advanced course that addresses topics in international finance and macroeconomics. Potential topics include: foreign exchange market; exchange rate determination; empirical models of exchange rates; international financial markets and uncertainty; international CAPM and home bias; sovereign debt; optimal capital controls.

Prerequisite: ECO365H1(80%) OR (ECO325H1(60%) AND

ECO374H1(60%)/ECO375H1(60%))

Exclusion: ECO419H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**ECO475H1 Applied Econometrics II (Formerly ECO376H1) [24L/12T]**

A research-oriented course continuing from ECO375H. The regression model is extended in several possible directions: time series analysis; panel data techniques; instrumental variables; simultaneous equations; limited dependent variables. Students will complete a major empirical term paper, applying the tools of econometrics to a topic chosen by the student.

Prerequisite: ECO375H1(70%)/ECO374H1(80%), NOTE: STA302H1 is not accepted preparation.

Exclusion: ECO376H1, ECO327Y1, ECO327Y5

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## Faculty

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### Professors Emeriti

F.J. Reid, MSc, Ph D  
A. Verma, BTech, MBA, Ph D

### Associate Professor, Teaching Stream Emeritus

L. Riznek, MA, Ph D

### Associate Professor and Director of the Centre

R. Gomez, MA, MIR, Ph D

### Assistant Professor

D. Pohler, BCom, Ph D

### CLTA

Hua Wang, MA, MBA, Ph D

Since 1965, the Centre for Industrial Relations and Human Resources has brought together professors from many different disciplines and departments at the University of Toronto to teach and conduct research on all aspects of work, the workplace, labour markets and labour relations. The CIRHR's graduate programs rank among the best in North America and its faculty reflects the depth, breadth and diversity of our university.

In 2013, the undergraduate Employment Relations and Human Resources Certificate programs became integrated with the graduate programs at the Centre for Industrial Relations and Human Resources. The continuing close relationship between the Centre and Woodsworth College helps to foster ongoing academic excellence for students enrolled in the Employment Relations program as they continue to benefit from the rich academic support services and facilities available at the College. Woodsworth College remains the home of the Undergraduate Program Office and the Employment Relations Students' Association (ERSA).

The overarching goal of the undergraduate program in Employment Relations is to offer an interdisciplinary learning opportunity in which to study the 'world of work and employment' in a Canadian and global context from the perspectives of economics, history, law, management, political science, psychology and sociology. The program provides students with a theoretical background and knowledge of current developments in the field that will serve as a basis for careers in employment relations such as: a Human Resources Generalist, Recruitment Specialist, HR Consultant, Employment Equity Officer, Training and Development Consultant, Corporate Trainer, Policy Advisor in the Ministry of Labour, Union Representative and Labour Relations Specialist. The undergraduate degree in Employment Relations is also a perfect platform from which to enter post-graduate programs in Industrial Relations and Human Resources, Law with a specialisation in labour and employment, as well as policy and labour studies programs.

Students are encouraged to use the resources available in both the CIRHR Library and Career Centre in order to investigate current labour market trends and career options in Employment Relations. Students are also encouraged to explore the services offered by the Human Resources Professionals Association (HRPA) which is Canada's HR thought leader and the largest HR association in the country. In Ontario, HRPA regulates the HR profession and issues the Certified Human Resources Professional (CHRP) designation, the national standard for excellence in human resources management. All of the course work

requirements needed for CHRP are offered in the Employment Relations program.

Detailed information on program requirements, application forms for IRE395/396/397 and other useful resources can be found on the Program Office website.

Program Office | Woodsworth College  
119 St. George Street - Room 236 | Toronto ON M5S 1A9  
416.978.5783  
er@utoronto.ca  
www.wdw.utoronto.ca

ERSA | Woodsworth College  
119 St. George Street - Room 18 Bsmt | Toronto ON M5S 1A9  
ersa.utoronto@gmail.com

HRPA | 150 Bloor St E #200 | Toronto, ON M4W 3E2  
416.923.2324  
http://www.hrpa.ca

## Employment Relations, Centre for Industrial Relations and Human Resources Programs

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### Employment Relations - Specialist Program (Arts program)

#### Program admission:

This is a limited enrolment program and achieving the minimum mark thresholds does not guarantee admission to the Employment Relations specialist in any given year.

Requests for admission will be considered in the first request period only (April 1, 2016 - May 11, 2016). Eligibility will be based on a student's mark in the required courses listed below. The precise mark thresholds outlined below are an estimate of what will be required in the 2016 program admission cycle.

*Applying after first year:* Students may apply to this program after completion of at least four full-course equivalents which must include the following: ECO100Y1(67%)/ECO105Y1(80%) and SOC101Y1(70%)/1.0 FCE (70% average) from SOC102H1/SOC103H1/PSY100H1.

*Applying after second or third year:* ECO100Y1(67%)/ECO105Y1(80%) and 1.0 full course equivalent from SOC200+ level with a minimum 73% average.

#### Notes:

1. Do not change your program of study after year 3 if you are required to complete your degree in four years. It takes 2.5 years to complete the specialist program. Course prerequisites and program requirements will not be waived.
2. Due to the limited enrolment nature of this program students are strongly advised to enrol in backup programs.

#### How to request admission to the program:

There is one request period only (April 1 - May 11, 2016). Application is made on-line using the Program Application Form (not ACORN). The program code for the specialist is ASSPE1535.

- Step 1: apply to program during round 1 (April 1 - May 11, 2016) using the Program Application Form
- Step 2: enrol in backup programs (April 1 - May 11, 2016)
- Step 3: check ACORN on June 30, 2016 to view the status of your requests
- Step 4: if invited (INV status)->accept the invitation on ACORN (deadline

# Employment Relations, Centre for Industrial Relations and Human Resources

to accept is August 3, 2016)

Step 5: if refused (REF status)->check the status of your backup programs and visit your Registrar's Office if you need assistance

For detailed information and instructions see Program Enrolment.

## Program requirements:

These requirements apply to students admitted to the Specialist program in 2016.

10.0 FCEs including at least 4.0 FCEs at the 300+ level including 1.0 FCE with the IRE course designator and 1.0 FCE at the 400-level. Each course requirement is individual and cannot be used more than once. A course taken on a CR/NCR basis may not be used to satisfy program requirements.

1. ECO100Y1/ECO105Y1 and SOC101Y1 (or 1.0 FCE from SOC102H1/SOC103H1/PSY100H1)
2. All of IRE240H1, IRE244H1, IRE260H1, IRE339H1, IRE430H1 (or IRE430Y1), IRE431H1 (or IRE430Y1)
3. 1.0 FCE from Group A
4. At least 1.0 FCE from Group B
5. 0.5 FCE from Group C and D
6. Additional courses (excluding those already counted) from Groups C and D for a total of 10.0 FCEs.
7. Students may only use 1.0 FCE independent study and 1.0 FCE research participation toward the program requirements.

**Group A:** ECO321Y1/HIS263Y1/POL214Y1

**Group B:**

ECO220Y1/IRE379H1/PSY201H1/PSY202H1/SOC200H1/SOC202H1

**Group C:** IRE444H1/IRE446H1/IRE447H1/IRE472H1

**Group D:**

GGR221H1/HIS313H1/INI300H1/IRE332Y0/IRE344H1/IRE345H1/IRE346H1/IRE347H1/IRE348H1/IRE349H1/IRE367H1/IRE378H1/IRE395H1/IRE395Y1/IRE396H1/IRE397Y1/IRE432Y0/IRE493H1/IRE494H1/JGI216H1/MGT201H1/RSM222H1/RSM361H1/RSM392H1/RSM461H1/RSM464H1/SOC207H1/SOC317Y1/SOC366H1/SOC367H1/SOC439H1

Notes:

1. Students who have completed ECO239Y1/ECO339Y1 may request to have the course counted toward the Employment Relations Specialist program. Please email your request to er@utoronto.ca.
2. Non IRE courses: Some courses offered by other departments may be available only to students who have completed specified prerequisites or who are enrolled in a program sponsored by the department offering the course. Course enrolment conditions are listed in the Arts and Science timetable. Course descriptions, prerequisites, corequisites and exclusions are listed in the Calendar.

## Employment Relations - Major (Arts program)

### Program admission:

This is a limited enrolment program and achieving the minimum mark thresholds does not guarantee admission to the Employment Relations major in any given year. Requests for admission will be considered in the program request period only (April 1, 2016 - May 11, 2016). Eligibility will be based on a student's mark in the required courses listed below. The precise mark thresholds outlined below are an estimate of what will be required in the 2016 program admission cycle.

*Applying after first year:* Students may apply to this program after completion of at least four full-course equivalents which must include the following: ECO100Y1 (or ECO105Y1) and SOC101Y1 (or 1.0 FCE from: SOC102H1/SOC103H1/PSY100H1). It is expected that a combined average of 65% will be required for admission in 2016.

*Applying after second or third year:* Admission will be determined by a student's mark in ECO100Y1 (or ECO105Y1) and 1.0 FCE SOC200+ level course. It is expected that a combined average of 70% will be required for admission in 2016.

Notes:

1. It takes two years to complete this program. Do not change your programs after year 3 if you are required to complete your degree in four years. Course prerequisites and program requirements will not be waived.
2. Due to the limited enrolment nature of this program students are strongly advised to enrol in backup programs.

### How to request admission to the program:

There is one request period only (April 1 - May 11, 2016). Application is made on-line using the Program Application Form (not ACORN). The program code for the major is ASMAJ1535.

Step 1: apply to program during round 1 (April 1 - May 11, 2016) using the Program Application Form

Step 2: enrol in backup programs (April 1 - May 11, 2016)

Step 3: check ACORN on June 30, 2016 to view the status of your requests

Step 4: if invited (INV status)->accept the invitation on ACORN (deadline to accept is August 3, 2016)

Step 5: if refused (REF status)->check the status of your backup programs and visit your Registrar's Office if you need assistance

For detailed information and instructions see Program Enrolment.

### Program requirements:

These requirements apply to students admitted to the Employment Relations major in 2016.

7.0 FCEs including at least 2.0 FCEs at the 300+ level, 0.5 of which must be at the 400-level. Each course requirement is individual and cannot be used more than once. A course taken on a CR/NCR basis may not be used to satisfy program requirements.

First Year:

ECO100Y1 (or ECO105Y1) and SOC101Y (or 1 FCE from: SOC102H1/SOC103H1/PSY100H1)

Higher Years:

1. All of IRE240H1, IRE244H1, IRE260H1, IRE430H1 (or IRE430Y1), IRE431H1 (or IRE430Y1)
2. At least 0.5 IRE 300-level course from Group A
3. Additional courses from Groups A or B (excluding courses already counted) for a total of 7.0 FCEs

Note: Students may only use a 1.0 FCE independent study and a 1.0 FCE research participation toward the program requirements.

**Group A:** IRE339H1/IRE346H1/IRE347H1/IRE348H1/IRE367H1/IRE378H1/IRE379H1

**Group B:**

ECO220Y1/GGR221H1/HIS313H1/INI300H1/IRE332Y0/IRE344H1/IRE345H1/IRE349H1/IRE395H1/IRE395Y1/IRE396H1/IRE397Y1/IRE432Y0/IRE444H1/IRE446H1/IRE447H1/IRE472H1/IRE493H1/IRE494H1/JGI216H1/MGT201H1/PSY201H1/PSY202H1/RSM222H1/RSM361H1/RSM392H1/RSM464H1/RSM461H1/SOC200H1/SOC202H1/SOC207H1/SOC317Y1/SOC366H1/SOC367H1/SOC439H1

Notes:

1. Students who have completed ECO239Y1/ECO339Y1 may request to have the course counted in the Group B category. Please email your request to er@utoronto.ca.
2. Non IRE courses: Some courses offered by other departments may be available only to students who have completed specified

prerequisites or who are enrolled in a program sponsored by the department offering the course. Course enrolment conditions are listed in the Arts and Science timetable. Course descriptions, prerequisites, corequisites and exclusions are listed in the Calendar.

## Employment Relations, Centre for Industrial Relations and Human Resources Courses

### First-Year Seminar

#### **SI199H1 Why We Work: Understanding Work Through the Prism of Art & Culture**

Why do we work? What does work mean to the average person? These questions are not as straightforward as they appear. We work for the bulk of our lives and most of our days are spent with coworkers who are neither family nor close friends, but we often fail to realize how self-defining work really is. This speaks to work's centrality but also to its invisibility in reflective discourse. Through "popular" representations of work, however, (such as in story-telling, cave paintings, hieroglyphs, music, writing, painting, television, film, video games, etc..) we can begin to better understand the meaning of work and how this has changed over time. Readings in anthropology and employment relations plus film and art criticism will help us explore these questions from an interdisciplinary perspective; assignments will encourage students to reflect on their own experience of work. Developing strong analytical and communication skills is an important goal of the course.

Breadth category: 3 Society and Its Institutions

Note: First-Year seminars are designed to provide first-year students with the opportunity to work closely with an instructor in a class of no more than twenty-four students. Each Seminar focuses on specific disciplinary or interdisciplinary issues, questions or controversies of particular interest to the instructor, and introduces the students to the excitement of discovery inherent in academic work at the University of Toronto. In addition, students are encouraged to develop their ability to think analytically and to express ideas and logical arguments clearly and coherently, both orally and in writing.

### Employment Relations Courses

Not all courses are offered every year. Please check the timetable for the list of current course offerings. Students without course prerequisites will be removed at any time they are discovered. Course enrolment conditions are listed in the Arts and Science timetable. Course descriptions, prerequisites, corequisites and exclusions are listed below.

#### **IRE240H1 Introduction to Employment Relations (formerly WDW240H1) [36L]**

An introduction to the study of the world of work and employment, the history and development of employment relations, its central theories and concepts; the behaviours, outcomes, practices and institutions that emerge from or affect the employment relationship; contemporary issues and comparative employment relations systems.

Prerequisite: Enrolment in the Employment Relations program (ASSPE/ASMAJ1535) or 4.0 FCEs and a minimum cgpa of 2.3.

Exclusion: WDW240H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

#### **IRE244H1 Labour Relations (formerly WDW244H1) [36L]**

Introduction to the institutions, issues and legislation affecting the employment relationship in the public and private sectors in Canada, with emphasis on collective bargaining. The economic and political environment, history of the labour movement, union organization, certification, contract negotiation, strikes, dispute resolution, contract administration and grievances.

Prerequisite: Enrolment in the Employment Relations program (ASSPE1535/ASMAJ1535) or 4.0 or more FCEs and a minimum cgpa of 2.3.

Exclusion: ECO244Y1, WDW244H1, WDW244Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

#### **IRE260H1 Organizational Behaviour (formerly WDW260H1) [36L]**

Introduction to the nature of organizations and the behaviour of individuals and groups within organizations, including topics such as culture and diversity, reward systems, motivation, leadership, politics, communication, decision-making, conflict and group processes. Not recommended for students in Commerce programs.

Prerequisite: Enrolment in the Employment Relations program (ASSPE1535/ASMAJ1535) or 4.0 or more FCEs and a minimum cgpa of 2.3

Exclusion: MGT262H1, RSM260H1, WDW260H1, WDW260Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

#### **IRE332Y0 Topics in Employment Relations (Summer Abroad Program) (formerly WDW332Y0) [TBA]**

Topics in Employment Relations offered in an international setting. The content may vary from year to year.

2016 Summer Abroad (Italy) Topic: Cross Cultural Perspectives on Leadership.

For more information check the Summer Abroad website.

Exclusion: WDW332Y0

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

#### **IRE339H1 Labour Markets and Public Policy (formerly WDW339H1) [36L]**

This course is designed to provide students in the Employment Relations program with knowledge of how the labour market affects the employment relationship. The basic tools of labour economics are developed and applied to various issues of organizational and government policy such as: the incentive effects of compensation arrangements, government income support programs, and minimum wage policy; the determinants of preferences for hours of work including job-sharing, overtime and retirement; the impacts of unions on compensation and productivity; public-sector employment and alternatives to the right to strike; discrimination in employment on the basis of gender and race as well as related government policies such as pay and employment equity.

Note: **IRE339H1** will not count towards an ECO program.

Prerequisite: ECO100Y1/ECO105Y1

Exclusion: ECO239Y1, ECO339Y1, ECO339H1, WDW339H1, ECO261H5

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)



# Employment Relations, Centre for Industrial Relations and Human Resources

## **IRE344H1 Topics in Employment Relations (formerly WDW344H1) [36L]**

Topics vary from year to year, but the objective of the course is to discuss current employment relations issues and their economic, legal, political and social implications.

Prerequisite: IRE244H1, IRE260H1. Additional prerequisites depending on topic.

Exclusion: WDW344H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **IRE345H1 Topics in Employment Relations (formerly WDW345H1) [36L]**

Topics vary from year to year, but the objective of the course is to discuss current employment relations issues and their economic, legal, political and social implications.

Prerequisite: IRE244H1, IRE260H1. Additional prerequisites depending on topic.

Exclusion: WDW345H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **IRE346H1 HR Planning & Strategy (formerly WDW346H1) [36L]**

An understanding is developed of how essential elements of the human resource planning process support organizational goals and strategies.

Topics such as environmental influences, job analysis, forecasting human resource needs and ascertaining supply, succession planning, downsizing and restructuring, mergers and acquisitions, outsourcing, and strategic international issues are examined.

Prerequisite: IRE240H1/IRE244H1/IRE260H1

Exclusion: WDW346H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **IRE347H1 Training & Development (formerly WDW347H1) [36L]**

The role of training and development initiatives in organizations. Students acquire the knowledge and skills to conduct a training needs assessment, identify training objectives, explore strategies to increase the transfer of training, design and deliver a training activity using various training methodologies, and evaluate its effectiveness.

Prerequisite: IRE260H1

Exclusion: WDW347H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **IRE348H1 Recruitment & Selection (formerly WDW348H1) [36L]**

The principles, legal issues, and emerging trends affecting the recruitment process and selection of staff in organizations. Development of recruitment strategies, assessment of applications for employment, interviewing candidates, and the role of testing and measurement of competencies in making hiring decisions.

Prerequisite: IRE240H1/IRE244H1/IRE260H1

Exclusion: WDW348H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **IRE349H1 Topics in Employment Relations (formerly WDW349H1) [36L]**

Topics vary from year to year, but the objective of the course is to discuss current employment relations issues and their economic, legal, political and social implications.

Prerequisite: IRE244H1, IRE260H1. Additional prerequisites depending on topic.

Exclusion: WDW349H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **IRE367H1 Compensation (formerly WDW367H1) [36L]**

The theory and process of developing and administering compensation systems. Through the core compensation principles of efficiency, equity, consistency and competitiveness we consider such topics as: job analysis, job evaluation, pay levels and structures, pay for performance, benefits, and compensating special groups of workers.

Prerequisite: IRE260H1/RSM260H1

Exclusion: WDW367H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **IRE378H1 Employment Health (formerly WDW378H1) [36L]**

The influence of legislation, the labour market and collective bargaining on health policies and programs in the workplace. The rights and responsibilities of employers, employees, unions and governments for the regulation and promotion of workplace health and safety; and the implications of evolving demographic, economic, and social factors.

Prerequisite: IRE244H1/IRE260H1

Exclusion: WDW378H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **IRE379H1 Employment Relations Research and Human Resource Analytics (formerly WDW379H1) [36L]**

An introduction to fundamental quantitative and qualitative research methods to enable students to critically evaluate and conduct research in the labour field. The class will explore data-driven, analytical approaches to managing human resources using basic metrics, analysis, and interpretation of information that link human resource initiatives to various indicators of organizational performance.

Prerequisite: IRE240H1/IRE244H1/IRE260H1

Exclusion: WDW379H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **IRE395H1 Independent Study (formerly WDW395H1 Employment Relations) [TBA]**

Independent study under the direction of a faculty member. Open only when a faculty member is willing and available to supervise. Application form is due one week before the start of term. Consult the program website for additional information. Not eligible for CR/NCR option.

Prerequisite: IRE244H1, IRE260H1 and 1 300H level IRE course.

Minimum cgpa of 2.3. Approval of the Program Coordinator.

Exclusion: WDW395H1 Employment Relations

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

# Employment Relations, Centre for Industrial Relations and Human Resources

## **IRE395Y1 Independent Study (formerly WDW395Y1 Employment Relations) [TBA]**

Independent study under the direction of a faculty member. Open only when a faculty member is willing and available to supervise. Application form is due one week before the start of term. Consult the program website for additional information. Not eligible for CR/NCR option. Prerequisite: IRE244H1, IRE260H1 and 1 300H level IRE course.

Minimum cgpa of 2.3. Approval of the Program Coordinator.

Exclusion: WDW395Y1 Employment Relations

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **IRE396H1 Research Participation (formerly WDW396H1 Employment Relations) [TBA]**

Credit course for supervised participation in a faculty research project. Offered only when a faculty member is willing and available to supervise. Consult the program website for additional information. Not eligible for CR/NCR option.

Prerequisite: IRE244H1, IRE260H1 and 2 300H level IRE courses.

Minimum cgpa of 2.5. Approval of the Program Coordinator.

Exclusion: WDW396H1 Employment Relations

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **IRE397Y1 Research Participation (formerly WDW397Y1 Employment Relations) [TBA]**

Credit course for supervised participation in a faculty research project. Offered only when a faculty member is willing and available to supervise. Consult the program website for additional information. Not eligible for CR/NCR option.

Prerequisite: IRE244H1, IRE260H1 and 2 300H level IRE courses.

Minimum cgpa of 2.5. Approval of the Program Coordinator.

Exclusion: WDW397Y1 Employment Relations

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **IRE430H1 Canadian Employment Law & the Non-Union Workplace (formerly IRE430Y) [24L]**

The course will focus on the law governing employment in a non-unionized workplace. Specifically, it will cover every phase of the employment relationship from hiring to termination and beyond and the rights and obligations of employers and employees as developed by the Courts and under employment-related statutes (namely the Employment Standards Act, 2000 and the Human Rights Code.) The course will also cover provisions from the Occupational Health and Safety Act.

Prerequisite: IRE244H1 and 1 300H level IRE course

Exclusion: IRE430Y1, WDW430Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **IRE431H1 Canadian Labour Law & the Unionized Workplace (formerly IRE430Y1 Employment Law) [24L]**

The course will focus on the laws impacting unionized workplaces. It will cover every phase of the Ontario Labour Relations Act, 1995 (the "LRA") from union organizing, certification, negotiation and bargaining, collective agreement arbitration, retention of bargaining rights and decertification and termination of bargaining rights.

Prerequisite: IRE430H1

Exclusion: IRE430Y1, WDW430Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **IRE432Y0 Advanced Topics in Employment/Labour Relations (Abroad) (formerly WDW432Y0) [TBA]**

Advanced topics in Employment Relations offered in an international setting. The content may vary from year to year. Offered by the Professional & International Programs Office.

Prerequisite: 13 FCEs including IRE244H1, IRE260H1 and 2 300H level IRE courses.

Exclusion: WDW432Y0

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **IRE444H1 Seminar in Employment Relations (formerly WDW444H1) [24S]**

An advanced seminar examining contemporary issues in the employment relations and human resources field. Topics vary from year to year, but the objective of the course is to discuss current issues and their economic, legal and social implications.

Prerequisite: IRE244H1, IRE260H1 and 2 300H level IRE courses

Exclusion: WDW444H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **IRE446H1 Working as an Internal Organizational Consultant (formerly WDW446H1) [24S]**

This course examines the various elements of the consulting process and the interpersonal skills required to build trust, influence others, contract with clients, and establish and maintain strong working relationships. This seminar may include a compulsory learning format component using a service-learning placement with a community-based agency or organization. Consult the current timetable for details.

Prerequisite: IRE244H1, IRE260H1 and 2 300H level IRE courses

Exclusion: WDW446H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **IRE447H1 Contemporary Challenges Facing Today's Organizations (formerly WDW447H1) [24S]**

An advanced seminar exploring significant developments in organizations, and the challenges and opportunities facing professionals in the employment relations field. Emphasis is placed on developing problem solving and critical thinking skills and examining theories and concepts of employment relations.

Prerequisite: IRE244H1, IRE260H1, IRE379H1

Exclusion: WDW447H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **IRE472H1 Negotiations (formerly WDW372H1) [24S]**

Resolving conflicts constructively is a challenge faced by all organizations and most individuals. This course will cover fundamentals of the negotiation process and conflict resolution. This course will apply multiple cases and simulations providing students with several opportunities to build their skills.

Prerequisite: IRE244H1, IRE260H1 and 1 300H level IRE course

Exclusion: WDW372H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **IRE473H1 Sociology of Industrial Relations [24S]**

This course introduces students to sociological approaches to work and industrial relations. Students are introduced to classical theories and then these perspectives are applied to analyze current labour market and employment relationships. The objective of this course is first to demonstrate how an understanding of industrial relations can be informed and enriched by classical and contemporary sociological perspectives. Second, it is to enable students to familiarise themselves with sociological perspectives so that they can compare and contrast, support or oppose, distinct approaches to industrial relations and the nature of work. This will facilitate a critical view of the theories that will be explored and applied in the course.

Prerequisite: SOC101Y1 or equivalent and at least 1 300 IRE half-credit course

Distribution Requirement Status: Social Science

## **IRE474H1 Labour Arbitration [24S]**

This course will focus on grievance arbitration and examine both procedural and substantive issues, including the scope of arbitration, pre-arbitration and arbitration processes and select issues in arbitration –discipline and discharge, contract interpretation, disability accommodation, privacy and discrimination.

Prerequisite: IRE244H1 and 1 300H level IRE course

Exclusion: IRE1260H1

Distribution Requirement Status: Social Science

## **IRE493H1 Advanced Topics in Employment Relations (formerly WDW493H1) [24S]**

Advanced topics vary from year to year, but the objective of the course is to explore theories, concepts and emerging issues in Employment Relations and their impact on internal and external environments.

Prerequisite: IRE244H1, IRE260H1 and 2 300H level IRE courses

Exclusion: WDW493H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **IRE494H1 Advanced Topics in Employment Relations (formerly WDW494H1) [24S]**

Advanced topics vary from year to year, but the objective of the course is to explore theories, concepts and emerging issues in Employment Relations and their impact on internal and external environments.

Prerequisite: IRE244H1, IRE260H1 and 2 300H level IRE courses

Exclusion: WDW494H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## Faculty

### University Professors Emeriti

J.E. Chamberlin, Ph D, FRSC (N)  
R. Frank, MA, Ph D, FRSC (U)  
L.A. Hutcheon, MA, Ph D, FRSC (N)  
M. Millgate, MA, Ph D, FRSC

### Professors Emeriti

T.H. Adamowski, MA, Ph D  
P.R. Allen, MA, Ph D (I)  
F.J. Asals, MA, Ph D (N)  
J.D. Baird, MA, Ph D (V)  
G.E. Bentley, B Litt, D Phil, FRSC (U)  
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R.M. Brown, MA, Ph D (University of Toronto Scarborough)  
P.L. Brückmann, MA, Ph D (T)  
E. Cameron, MA, Ph D (U)  
D.D.C. Chambers, MA, Ph D (T)  
E. Cook, MA, Ph D, FRSC (V)  
B. Corman, AM, Ph D (T)  
M. Cuddy-Keane, MA, Ph D (University of Toronto Scarborough)  
A.H. de Quehen, Ph D (U)  
E.W. Domville, Ph D (T)  
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J. Dutka, MA, Ph D (University of Toronto Mississauga)  
F.T. Flahiff, MA, Ph D (SM)  
M. Garson, MA, Ph D (University of Toronto Mississauga)  
P.M. Grosskurth, MA, Ph D (N) (obiit)  
W.H. Halewood, MA, Ph D (U)  
G.A. Hamel, MA, Ph D (N)  
E.R. Harvey, M Phil, Ph D  
B.S. Hayne, AM, Ph D (SM)  
A. diP. Healey, MA, Ph D (U)  
F.D. Hoeniger, MA, Ph D (V)  
H.J. Jackson, MA, Ph D  
A.F. Johnston, MA, Ph D, LL D, FRSC (V)  
W.J. Keith, MA, Ph D, FRSC (U)  
M.C. Kirkham, M Phil (U)  
D.N. Klausner, Ph D (U)  
J.C. Kuhn, MA, Ph D (SM)  
A.C. Lancashire, AM, Ph D (U)  
D.I. Lancashire, MA, Ph D, FRSC (N)  
A.M. Leggatt, MA, Ph D, FRSC (U)  
J.L. Levenson, MA, Ph D, FRSC (T)  
N.R. Lindheim, MA, Ph D  
J.F. Lynen, MA, Ph D (U)  
F.J. Marker, MA, DFA (U)  
G. Matteo, MA, Ph D (SM)  
R.R. McLeod, MA, Ph D (University of Toronto Mississauga)  
J. Millgate, MA, Ph D, FRSC (V)  
S. Neuman, Ph D, FRSC  
R.B. Parker, MA, Ph D (T)  
A.D. Pritchard, Ph D (U)  
M. Redekop, MA, Ph D (V)  
A.G. Rigg, MA, D Phil (T)  
A. Saddlemeyer, MA, Ph D, D Litt, LL D, FRSC (V)  
P.D. Seary, MA, D Phil (N)  
W.D. Shaw, AM, Ph D, FRSC (V)  
M.J. Sidnell, MA, Ph D (T)  
S.Z. Solecki, MA, Ph D (U)

R. Sullivan, MA, Ph D, FRSC  
L. Thomson, MA, Ph D (University of Toronto Mississauga)  
C. Visser, B Litt, Ph D (U)  
G.T. Warkentin, MA, Ph D (V) (FRSC)  
F.W. Watt, MA, B Litt, Ph D (U)

### Associate Professors Emeriti

H.B. de Groot, MA, Ph D (U)  
G. Fenwick, MA, Ph D (T)  
J.M. Heath, MA, Ph D (V)  
E.P. Vicari, MA, Ph D (University of Toronto at Scarborough)

### Professor and Chair of the Department

A.J. Bewell, MA, Ph D, FRSC (U)

### Associate Professor and Associate Chair

J. Lopez, MA, Ph D

### University Professor

T. Keymer, MA, Ph D, FRSC

### Professors

A. Ackerman, MA, Ph D (U)  
S.C. Akbari, MA, Ph D (U), Director of the Centre for Medieval Studies  
J.H. Astington, MA, Ph D  
G.E. Clarke, MA, Ph D (U)  
M. Cobb, MA, Ph D (U)  
D.L. Esch, MA, Ph D (V)  
A. Esterhammer, PhD, FRSC (V), Principal of Victoria College  
M. Goldman, MA, Ph D (University of Toronto Scarborough)  
R. Greene, D Phil (University of Toronto Mississauga)  
E.D. Harvey, MA, Ph D (U)  
A. Jaffe, Ph D  
S. Kamboureli, MA, Ph D  
N. ten Kortenaar, MA, Ph D  
G.M. Leonard, MA, Ph D (University of Toronto Scarborough)  
D.S. Lynch, Ph D  
L. Magnusson, MA, Ph D, FRSC, Director of Graduate Studies  
J.L. Matus, MA, Ph D, FRSC (U)  
A. Most, MA, Ph D  
H. Murray, MA, Ph D (V)  
M. Nyquist, MA, Ph D (N)  
C.E. Percy, MA, D Phil (N)  
A. Quayson, Ph D, FRSC, Director of the Centre for Diaspora and Transnational Studies  
J.H. Reibetanz, AM, Ph D (V)  
J.M. Reibetanz, MA, Ph D (T)  
M. Ruti, MA, Ph D (University of Toronto Mississauga)  
S. Salih, MA, D Phil  
C. Schmitt, MA, Ph D  
P.A. Stevens, MA, Ph D, FRSC (T)  
D. Townsend, MA, Ph D (U)  
C. Warley, MA, Ph D  
D.E. White, MA, Ph D (University of Toronto Mississauga)

### Associate Professors

C. Bolus-Reichert, MA, Ph D (Chair of the Department of English, University of Toronto Scarborough )  
S.E. Dickie, MA, Ph D  
N. Dolan, MA, Ph D (University of Toronto Scarborough)  
P.B. Downes, MA, Ph D (T)  
A. DuBois, Ph D (University of Toronto Scarborough)

U. Esonwanne, Ph D  
 D.I. Galbraith, MA, Ph D (V)  
 A. Gillespie, MA, D Phil (University of Toronto Mississauga)  
 G. Henderson, MA, Ph D  
 C. Hill, MA, Ph D (University of Toronto Mississauga)  
 S. Lamb, MA, Ph D (University of Toronto Scarborough)  
 K.R. Larson, M Phil, Ph D (University of Toronto Scarborough)  
 M.J. Levene, MA, Ph D (University of Toronto Mississauga)  
 H. Li, Ph D  
 V. Li, MA, Ph D  
 R. McGill, M Phil, Ph D  
 N. Morgenstern, MA, Ph D  
 N. Mount, MA, Ph D  
 J.J. O'Connor, MA, Ph D (SM)  
 J.W.O. Patrick, MA, Ph D (V)  
 S. Radovi, MA, Ph D (University of Toronto Mississauga)  
 W. Robins, MA, Ph D (V) President, Victoria College  
 M. Rubright, MA, Ph D (University of Toronto Scarborough)  
 D. Seitler, MA, Ph D  
 S. Stern, JD, Ph D  
 C. Suzack, MA, Ph D  
 H.S. Syme, AM, Ph D (Chair of the Department of English and  
 Drama, University of Toronto Mississauga)  
 K. Weisman, MA, Ph D  
 S. Wilson, MA, Ph D  
 M. Woodland, MA, Ph D  
 M. Xie, Ph D

#### Associate Professors, Teaching Stream

P. Grav, MA, Ph D  
 J. Levine, MA, Ph D (V)

#### Assistant Professors

D.F. Baker, MA, Ph D  
 C. Balot, MA, Ph D  
 L. Blake, M Phil, Ph D (University of Toronto Mississauga)  
 C. Campbell, M Phil, Ph D  
 A. Charise, MA, Ph D (University of Toronto Scarborough)  
 D. Cruz, MA, Ph D  
 T. Dancer, MA, Ph D  
 K. Gaston, MA, Ph D (University of Toronto Scarborough)  
 M. Gniadek, MA, Ph D (University of Toronto Mississauga)  
 A.E. Hernandez, MA, Ph D  
 A. Maurice, MA, Ph D (University of Toronto Scarborough)  
 T.F. Robinson, MA, Ph D (University of Toronto Mississauga)  
 M. Sergi, Ph D  
 L. Switzky, MA, Ph D (University of Toronto Mississauga)  
 K. Vernon, MA, Ph D (University of Toronto Scarborough)  
 A. Walton, MTS, Ph D  
 D. Wright, MA, Ph D (University of Toronto Mississauga)

## Introduction

To study literature is to engage, through the medium of the written word, with some of history's most creative and articulate minds as they contemplate fundamental and persistent questions: What does it mean to be an individual in society? What is the purpose of art? What is the significance of human endeavor, and what are the limits of human experience? As a student in the English program you will be introduced to the literary tradition in English, a fascinating conversation spanning over a thousand years and connecting nations and peoples all across the globe. In addition, you will be trained in methods of critical reading and writing which will help you not only to comprehend, but also to grapple with, the complexity of texts and of the authors and societies that

produce them. The skills acquired by students of English are directly applicable to any career that requires critical thinking and analysis—from education to government, law to engineering, business to medicine, and beyond. Perhaps just as valuably, the study of English will provide you with models and tools for discovering and articulating your own complex perspective on art, history, society, and your relation to all three.

The Department of English offers courses in Canadian and Indigenous North American literature; in American and transnational literatures; in the national and diasporic English literatures of Africa, the Caribbean, and South Asia; in British literature from its origins to the present day; and in the critical and theoretical literature through which literary critics and philosophers have developed vocabulary and methods for describing the forms, histories, and ideologies of literary art.

English courses are arranged in four series. Courses in our 100 series introduce students, in large lectures, to the study of English literature through sweeping surveys: of the literary tradition from Homer through the 19th century; of literature written in direct response to the events of recent decades; or of narrative forms in many genres and historical periods. Most 100-series courses include small-group tutorials, where students are introduced to critical reading and writing skills; essays at the 100 level typically do not require research or secondary sources. Courses in the 200 series are devoted to the study of literature in a specific genre, or the literature of a specific place or people. Coursework at the 200 level may require some research or engagement with critical literature on the subject. 300-series courses focus on particular literary periods, on diasporic literatures, and on special topics within a literature or literary genre. Courses at this level introduce students to research skills and typically require essays that incorporate secondary sources. Courses in the 400 series are both advanced and focused—unique courses created by Department faculty which often relate to their own research. These courses require a substantial research essay.

The Department of English offers several Programs of Study. The Specialist is the most intensive and comprehensive, requiring a minimum of ten full-course equivalents (FCE) in a 20-FCE degree. The Major is the Department's most popular program. It provides both depth and breadth to students who wish to focus on English studies but also wish to leave room in their degrees to pursue other interests. The Minor is the Department's second-most popular program, and can be combined with Majors or Specialists in a wide variety of other fields. On the presumption that the Minor is a curiosity-driven program, Minors are exempt from the distribution requirements of the Specialist and Major.

Students with questions about English Programs should consult the Office of the Associate Chair or the Undergraduate Counsellor. Students interested in graduate school in English should seek advice on course selection from their professors, academic counsellors, and the Office of the Director of Graduate Studies. Students considering a teaching career in Ontario should consult the admission counsellors at the Ontario Institute for Studies in Education/UT.

The Department of English publishes detailed course descriptions and reading lists online, usually by the beginning of May. Students are urged to consult these course descriptions at [www.english.utoronto.ca](http://www.english.utoronto.ca) before enrolment begins.

Associate Chair: Professor J. Lopez, Room 608, 170 St. George Street

Undergraduate Counsellor: Ms V. Holmes, Room 609, 170 St. George Street (416-978-5026)

General Enquiries: Room 610, 170 St. George Street (416-978-3190)

## English Programs

Enrolment in the English Specialist program requires a final grade of at least 73% in ENG110Y, ENG140Y, or ENG150Y; or, after second year, a final grade of at least 77% in 2.0 ENG 200-series FCE. Students are responsible for completing all the requirements of an English program from the Calendar of the year in which they enrolled in the program. Completion of a first-year ENG course is not a requirement for any of our programs. Please note that we do not accept any CR/NCR courses toward any of our programs.

### English Specialist

Enrolment in the English Specialist program requires a final grade of at least 73% in ENG110Y, ENG140Y, or ENG150Y. Students applying to enrol in the Specialist after second year require a final grade of at least 77% in 2.0 ENG 200-series FCE. Students are responsible for completing all the requirements of an English program from the Calendar of the year in which they enrolled in the program.

Ten FCE (including at least 7.0 ENG FCE) from the courses listed below, including 3.0 300+series FCE and 1.0 400-series ENG FCE.

Only 1.0 100-series ENG FCE may be counted. ENG100H1 may not be counted.

Courses must fulfill the following requirements:

1. At least 1.0 FCE from Group 1 (Theory, Language, Methods)
2. At least 1.0 FCE from Group 2 (Canadian and Indigenous North American Literatures)
3. At least 1.0 FCE from Group 3 (American and Transnational Literatures)
4. At least 3.0 FCE from Group 4 (British Literature to the 19th Century)
5. At least 1.5 FCE from Group 5 (Literature since the 18th Century)
6. ENG287H1; if not, STA201H1 Why Numbers Matter, or 0.5 FCE in any other BR=5 course

### English Major

Seven FCE (including at least 5.0 ENG FCE) from the courses listed below, including 1.5 300+series FCE and 0.5 400-level ENG FCE.

Only 1.0 100-series ENG FCE may be counted. ENG100H1 may not be counted.

Courses must fulfill the following requirements:

1. At least 0.5 FCE from Group 1 (Theory, Language, Methods)
2. At least 1.0 FCE from Group 2 (Canadian and Indigenous North American Literatures)
3. At least 1.0 FCE from Group 3 (American and Transnational Literatures)
4. At least 2.0 FCE from Group 4 (British Literature to the 19th Century)
5. At least 1.0 FCE from Group 5 (Literature since the 18th Century)
6. ENG287H1; if not, STA201H1 Why Numbers Matter, or 0.5 FCE in any other BR=5 course

### English Minor

Four FCE (including at least 3.0 ENG FCE) from the courses listed below, including 1.0 300+series FCE.

Only 1.0 100-series ENG FCE may be counted. ENG100H1 may not be counted.

### Courses that may be counted toward English programs:

ENG110Y1 OR ENG140Y1 OR ENG150Y1; ENG299Y1; ENG389Y1; ENG390Y1 OR ENG392H1; ENG391Y1 OR ENG393H1; ENG398H0; ENG399Y0; ENG499Y1

Group 1: Theory, Language, Methods

ENG201Y1, ENG205H1, ENG280H1, ENG285H1, ENG287H1, ENG380H1, ENG382Y1, ENG383H1, ENG384Y1, ENG385H1, ENG414H1, ENG415H1, ENG418H1, JEI206H1; JFV323H1, PHL285H1, PHL388H1, SMC229H1, VIC301H1

Group 2: Canadian and Indigenous North American Literatures

ENG215H1, ENG252Y1, ENG254Y1, ENG350H1, ENG352H1, ENG353Y1, ENG354Y1, ENG355H1, ENG357H1, ENG359H1, ENG424H1, ENG425H1, ENG428H1; ABS322H1, ABS341H1, CDN218H1, ITA233H1, JSU325H1, SLA238H1, SMC376H1

Group 3: American and Transnational Literatures

ENG250Y1, ENG270Y1, ENG273Y1, ENG360H1, ENG363Y1, ENG364Y1, ENG365H1, ENG366H1, ENG367H1, ENG368H1, ENG369H1, ENG370H1, ENG375H1, ENG434H1, ENG435H1, ENG438H1; EAS284Y1, NEW322H1

Group 4: British Literature to the 19th Century

ENG200H1, ENG202Y1, ENG220Y1, ENG240Y1, ENG300Y1, ENG301H1, ENG302Y1, ENG303H1, ENG304Y1, ENG305H1, ENG306Y1, ENG307H1, ENG308Y1, ENG311H1, ENG322Y1, ENG323H1, ENG330H1, ENG331H1, ENG335H1, ENG336H1, ENG337H1, ENG444H1, ENG445H1, ENG448H1; CLA204H1, CLA236H1, ITA200H1, MST200Y1, NMC256H1, SMC226H1, SMC360H1, VIC342H1, VIC344H1

Group 5: Literature since the 18th Century

ENG210Y1, ENG213H1, ENG214H1, ENG232H1, ENG234H1, ENG235H1, ENG236H1, ENG237H1, ENG239H1, ENG324Y1, ENG325H1, ENG328Y1, ENG329H1, ENG340H1, ENG341H1, ENG347Y1, ENG348Y1, ENG349H1, ENG454H1, ENG455H1, ENG458H1; DRM342H1, FIN240H1, GER220H1, GER240H1, SLA212H1, SLA252H1, SMC342Y1, SMC375H1, SPA254H1

### Asian Literatures and Cultures Minor

This humanities-based Type 3 Minor program represents a unique opportunity to study Asian Literatures and Cultures within a Southasian location. Students take core subjects at the first-year or second-year level in Toronto and then spend one semester of their second, third or fourth year at the National University of Singapore (NUS) where they are enrolled in lecture courses. For more information, contact the English Undergraduate Office and the Centre for International Experience at [www.cie.utoronto.ca](http://www.cie.utoronto.ca).

Four FCE, including ENG270Y1 and one other ENG FCE from the list above and two appropriate NUS FCE, including at least one 300-series ENG or NUS FCE. Students are advised to contact the Undergraduate Counsellor in advance of going abroad to discuss course selection at NUS.

## Combined Degree Program (CDP) in Arts and Education: English (Major), HBA/MT

### Combined Degree Program (CDP) in Arts and Education: English (Major), Honours Bachelor of Arts/Master of Teaching

The Combined Degree Program in Arts/Science and Education is designed for students interested in studying the intersections of teaching subjects and Education, coupled with professional teacher preparation. Students earn an Honours Bachelor's degree from the Faculty of Arts and Science (St. George) and an accredited professional Master of Teaching (MT) degree from the Ontario Institute for Studies in Education (OISE). They will be recommended to the Ontario College of Teachers for an Ontario Teacher's Certificate of Qualifications as elementary or secondary school teachers. The CDP permits the completion of both degrees in six years with 1.0 FCE that may be counted towards both the undergraduate and graduate degrees.

#### Program requirements:

1. Minor in Education and Society, Victoria College
2. Major in English (first teaching subject)
3. Minor in an area corresponding to the second teaching subject as determined by OISE (see [http://pepper.oise.utoronto.ca/~jhewitt/mtresources/intermediate\\_senior\\_teaching\\_subject\\_prerequisites\\_2016-17.pdf](http://pepper.oise.utoronto.ca/~jhewitt/mtresources/intermediate_senior_teaching_subject_prerequisites_2016-17.pdf))

See here for additional information on the CDP, including admission, path to completion and contact information.

## English Courses

Please note: Not all courses are offered every year.

### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### 100-Series Courses

Only ONE of ENG110Y1, ENG140Y1, or ENG150Y1 may be counted toward English program requirements. ENG100H1 may not be used to meet the requirements of any English program. First-year students may enrol in a 200-series ENG course if they are concurrently enrolled in ENG110Y1, ENG140Y1, or ENG150Y1.

#### ENG100H1 Effective Writing [36L]

Practical tools for writing in university and beyond. Students will gain experience in generating ideas, clarifying insights, structuring arguments, composing paragraphs and sentences, critiquing and revising their writing, and communicating effectively to diverse audiences. This course may not count toward any English program.  
Distribution Requirement Status: Humanities  
Breadth Requirement: None

#### ENG110Y1 Narrative [72L]

This course explores the stories that are all around us and that shape our world: traditional literary narratives such as ballads, romances, and novels, and also non-literary forms of narrative, such as journalism, movies, myths, jokes, legal judgments, travel writing, histories, songs, diaries, biographies.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

#### ENG140Y1 Literature for our Time [48L/24T]

An exploration of how recent literature in English responds to our world. Includes poetry, prose, and drama by major writers of the twentieth century and emerging writers of the current century.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

#### ENG150Y1 The Literary Tradition [72L]

An introduction to major authors, ideas, and texts that shaped and continue to inform the ever-evolving traditions of literature in English. Includes works and authors from antiquity to the nineteenth century such as the Bible, the Qur'an, Plato, Homer, Sappho, Virgil, Dante, Christine de Pizan, Shakespeare, Cervantes, Montaigne, Austen, Dostoevski.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## 200-Series Courses

English 200-series courses are open to students who have obtained standing in 1.0 ENG FCE or in any 4.0 FCE. Students without these prerequisites may enrol in a 200-series course if they are concurrently enrolled in ENG110Y1, ENG140Y1, or ENG150Y1. **Please note that prerequisites and exclusions will be strictly enforced.**

#### ENG200H1 The Bible in Literature [36L]

This course introduces the Bible and explores its influence on literary traditions. Through close readings of literary texts that rework biblical material, we will explore issues such as translation, reception, intertextuality, and form.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

#### ENG201Y1 Reading Poetry [72L]

An introduction to poetry through a close reading of texts, focusing on its traditional forms, themes, techniques, and uses of language; its historical and geographical range; and its twentieth-century diversity.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

#### ENG202Y1 British Literature: Medieval to Romantic [72L]

An introduction to influential texts that have shaped the British literary heritage, covering approximately twelve writers of poetry, drama, and prose, from Chaucer to Keats, with attention to such questions as the development of the theatre, the growth of the novel form, and the emergence of women writers.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG205H1 Rhetoric [36L]**

An introduction to the rhetorical tradition from classical times to the present with a focus on prose as strategic persuasion. Besides rhetorical terminology, topics may include the discovery and arrangement of arguments, validity in argumentation, elements of style, and rhetorical criticism and theory.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **JEI206H1 Writing English Essays [24L/12T]**

This course teaches students who already write effectively how to write clear, compelling, research-informed English essays. The course aims to help students recognize the function of grammar and rhetoric, the importance of audience, and the persuasive role of style.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE. English students have priority.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG210Y1 The Novel [72L]**

An introduction to the novel through a reading of ten to twelve texts, representing a range of periods, techniques, regions, and themes.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG213H1 The Short Story [36L]**

This course explores shorter works of nineteenth- and twentieth-century writers. Special attention is paid to formal and rhetorical concepts for the study of fiction as well as to issues such as narrative voice, allegory, irony, and the representation of temporality.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG214H1 The Short-Story Collection [36L]**

This course explores collections of short stories. It examines individual stories, the relationships among and between stories, the dynamics of the collection as a whole, the literary history of this genre, along with its narrative techniques and thematic concerns.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG215H1 The Canadian Short Story [36L]**

An introduction to the Canadian short story, this course emphasizes its rich variety of settings, subjects, and styles.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG220Y1 Shakespeare [72L]**

A representative survey of Shakespeare's work, covering the different periods of his career and the different genres in which he worked. Readings may include such plays as *The Taming of the Shrew*, *Richard III*, *Henry IV*, *Twelfth Night*, *Hamlet*, *Macbeth*, and *The Tempest*. Non-dramatic poetry may also be included.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG232H1 Biography and Autobiography [36L]**

An introduction to biography and autobiography, with a sampling of important examples in English.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG234H1 Children's Literature [36L]**

A critical and historical study of poetry and fiction written for or appropriated by children, this course may also include drama or non-fiction and will cover works by at least twelve authors such as Bunyan, Stevenson, Carroll, Twain, Alcott, Nesbit, Montgomery, Milne, Norton, Fitzhugh.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG235H1 The Graphic Novel [36L]**

An introduction to book-length sequential art, this course includes fictional and nonfictional comics by artists such as Will Eisner, Art Spiegelman, Frank Miller, Alan Moore, Chris Ware, Daniel Clowes, Julie Doucet, Marjane Satrapi, Chester Brown, Seth.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG236H1 Detective Fiction [36L]**

At least twelve works by such authors as Poe, Dickens, Collins, Doyle, Chesterton, Christie, Sayers, Van Dine, Hammett, Chandler, Faulkner, P.D. James, Rendell.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG237H1 Science Fiction [36L]**

This course explores speculative fiction that invents or extrapolates an inner or outer cosmology from the physical, life, social, and human sciences. Typical subjects include AI, alternative histories, cyberpunk, evolution, future and dying worlds, genetics, space/time travel, strange species, theories of everything, utopias, and dystopias.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG239H1 Fantasy and Horror [36L]**

This course explores speculative fiction of the fantastic, the magical, the supernatural, and the horrific. Subgenres may include alternative histories, animal fantasy, epic fantasy, the Gothic, fairy tales, magic realism, sword and sorcery, and vampire fiction.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG240Y1 Old English Language & Literature [72L]**

Prepares students to read the oldest English literary forms in the original language. Introduces the earliest English poetry in a woman's voice, expressions of desire, religious fervour, and the agonies of war. Texts, written 680 - 1100, range from the epic of *Beowulf* the dragon-slayer to ribald riddles.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)



**ENG250Y1 American Literature [72L]**

An introductory survey of major works in American literature, this course explores works in a variety of genres, including poetry, fiction, essays, and slave narratives.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ENG252Y1 Canadian Literature [72L]**

An introductory survey of major Canadian works in poetry, prose, and drama from early to recent times.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ENG254Y1 Indigenous Literatures of North America [72L]**

An introduction to Indigenous North American writing in English, with significant attention to Aboriginal literatures in Canada. The writings are placed within the context of Indigenous cultural and political continuity, linguistic and territorial diversity, and living oral traditions. The primary focus is on contemporary Indigenous writing.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ENG270Y1 Colonial and Postcolonial Writing [72L]**

In this course we study literary and non-literary texts from the nineteenth century to the present day. Colonial texts are analysed alongside postcolonial interpretations of the nineteenth-century archive, giving students a grasp of colonial discourse and contemporary postcolonial analyses.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ENG273Y1 Queer Writing [72L]**

Introducing a lesbian, gay, bisexual, trans, and queer tradition in literature and theory, this course explores classical, modern, postmodern, and contemporary literature, criticism, art, film, music, and popular culture.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ENG280H1 Critical Approaches to Literature [36L]**

A practical introduction to literary theory and its central questions, such as the notion of literature itself, its political underpinnings, the relation between literature and reality, the making of literary canons, and the roles of the author and the reader.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ENG285H1 The English Language in the World [36L]**

Many-voiced modern English dominates science, business, diplomacy, and popular cultures worldwide. This introductory course surveys transnational, regional, and social varieties of Later Modern English; the linguistic and social factors that have shaped them; their characteristic structures; and their uses in speech and in writing, both literary and non-literary.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**ENG287H1 The Digital Text [24L/12T]**

Explores the relations between digital technology and literary studies. Students will use such tools as computer-assisted analysis, digital editions, and visualization to ask new questions about literature. Readings may include born-digital fiction. Students will gain hands-on experience with digital technology, but no programming experience is required.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ENG299Y1 Research Opportunity Program**

Credit course for supervised participation in faculty research project.

Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

**300-Series Courses**

English 300-series courses are open to students who have obtained standing in 4.0 FCE, including 2.0 ENG FCE. Students should note the special prerequisites for ENG389Y1, ENG390Y1, ENG391Y1, ENG392H1, and ENG393H1: consult the descriptions online before the May 15 deadline for instructions on applying for these courses. **Please note that prerequisites and exclusions will be strictly enforced.**

**ENG300Y1 Chaucer [72L]**

The foundation of English literature: in their uncensored richness and range, Chaucer's works have delighted wide audiences for over 600 years. Includes *The Canterbury Tales*, with its variety of narrative genres from the humorous and bawdy to the religious and philosophical, and *Troilus and Criseyde*, a profound erotic masterpiece.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ENG301H1 Spenser [36L]**

Selections from *The Faerie Queene* and other works.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ENG302Y1 Poetry and Prose, 1500-1600 [72L]**

Considering literature during the reign of the Tudors, this course may include poetry of Wyatt, Sidney, Mary Sidney Herbert, Marlowe, Shakespeare, Spenser, and Donne; prose of More, Askew, Sidney, Hakluyt, Hooker, Elizabeth I, Lyly, and Nashe; and supplementary readings from such writers as Erasmus, Castiglione, Machiavelli.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ENG303H1 Milton [36L]**

Selections from *Paradise Lost* and other works.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG304Y1 Poetry and Prose, 1600-1660 [72L]**

Considering literature during the reign of the early Stuarts and the Civil War, with special attention to Milton and *Paradise Lost*, this course also includes such poets as Donne, Jonson, Lanyer, Wroth, Herbert, Marvell, and such prose writers as Bacon, Clifford, Donne, Wroth, Burton, Cary, Browne, Hobbes, Milton, Cavendish.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG305H1 Swift, Pope, and Their Contemporaries [36L]**

Selected works in prose and verse by Swift and Pope studied alongside works by their contemporaries. Topics may include the legitimacy of satire, the role of criticism, and the growing importance of writing by women.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG306Y1 Poetry and Prose, 1660-1800 [72L]**

Writers of this period grapple with questions of authority and individualism, tradition and innovation, in politics, religion, knowledge, society, and literature itself. Special attention to Dryden, Pope, Swift, Johnson, and at least six other authors.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG307H1 Women Writers, 1660-1800 [36L]**

A study of poems, plays, novels, letters, periodical essays, polemical works, and books for children by such writers as Cavendish, Behn, Finch, Centlivre, Leapor, Burney, Wollstonecraft. Topics may include patronage and publishing; nationality, class, and gender; and generic conventions.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG308Y1 Romantic Poetry and Prose [72L]**

Poetry and critical prose of Blake, W. Wordsworth, Coleridge, Byron, P.B. Shelley, and Keats; may include selections from other writers such as Crabbe, Scott, Landor, Clare, D. Wordsworth, M. Shelley, De Quincey.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG311H1 Medieval Literature [36L]**

This course explores a selection of writings in early English, excluding those by Chaucer.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG322Y1 Fiction before 1832 [72L]**

This course studies the emergence of prose fiction as a genre recognized in both a literary and a commercial sense. Authors may include Behn, Defoe, Richardson, Fielding, Sterne, Scott, and Austen.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG323H1 Austen and Her Contemporaries [36L]**

A study of selected novels of Jane Austen and of works by such contemporaries as Radcliffe, Godwin, Wollstonecraft, Wordsworth, Edgeworth, Scott, and Shelley, in the context of the complex literary, social, and political relationships of that time.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG324Y1 Fiction, 1832-1900 [72L]**

Exploring the social and political dilemmas of a culture in transition, this course studies such topics as the comic art of Dickens, Trollope, and Thackeray, the Gothicism of the Brontës, the crisis of religious faith in George Eliot, and the powerful moral fables of Hardy. Students will read 10-12 novels.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG325H1 Victorian Realist Novels [36L]**

This course explores forms of realism in Victorian fiction and includes at least six novels by such authors as Dickens, Thackeray, George Eliot, Charlotte Brontë, Gaskell, Collins, Trollope, Hardy.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG328Y1 Modern Fiction to 1960 [72L]**

This course explores ten to twelve works by such writers as James, Conrad, Cather, Forster, Joyce, Woolf, Lawrence, Faulkner, Rhys, Hemingway, Achebe, Ellison, Spark, Lessing.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG329H1 Contemporary British Fiction [36L]**

This course explores six or more works by at least four British contemporary writers of fiction.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG330H1 Early Drama [36L]**

Texts and performances preceding and underlying the plays of Shakespeare and his contemporaries, including creation-to-doomsday play cycles; plays performed in parishes, inns, great halls, outdoor arenas, and at court; religious and political propaganda plays; political pageants. Attention to social, political, and theatrical contexts.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG331H1 Drama to 1603 [36L]**

This course explores English drama to the end of the reign of Queen Elizabeth I, with attention to such playwrights as Lyly, Kyd, Marlowe, Shakespeare.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ENG335H1 Drama 1603 to 1642 [36L]**

This course explores English drama from the death of Queen Elizabeth I to the closing of the theatres, with attention to such playwrights as Jonson, Middleton, Shakespeare, Webster.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ENG336H1 Topics in Shakespeare [36L]**

A concentrated study of one aspect of Shakespeare's work, such as his use of a particular genre, a particular period of his work, a recurring theme, or the application of a particular critical approach.

Prerequisite: 2.0 ENG FCE including ENG220Y1, and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ENG337H1 Drama, 1660-1800 [36L]**

At least twelve plays, including works by Dryden, Wycherley, Congreve, and their successors, chosen to demonstrate the modes of drama practised during the period, the relationship between these modes and that between the plays and the theatres for which they were designed.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ENG340H1 Modern Drama to World War II [36L]**

A study of plays in English by such dramatists as Wilde, Yeats, Shaw, Synge, Glaspell, Hughes, O'Neill, as well as plays in translation by such dramatists as Ibsen, Chekhov, Strindberg, Pirandello.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ENG341H1 Modern Drama since World War II [36L]**

A study of plays by such dramatists as Beckett, Miller, Williams, Pinter, Soyinka, Churchill, with background readings from other dramatic literatures.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ENG347Y1 Victorian Poetry and Prose [72L]**

Writers (such as Darwin, Tennyson, Browning, Wilde, Nightingale, Christina Rossetti, Kipling) respond to crisis and transition: the Industrial Revolution, the Idea of Progress, and the "Woman Question"; conflicting claims of liberty and equality, empire and nation, theology and natural selection; the Romantic inheritance, Art-for-Arts-Sake, Fin de siècle, and "Decadence."

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ENG348Y1 Modern Poetry to 1960 [72L]**

Special study of Yeats, Pound, Eliot, Auden, Stevens; selections from other poets.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ENG349H1 Contemporary Poetry [36L]**

Works by at least six contemporary poets, such as Ammons, Ashbery, Heaney, Hughes, Lowell, Muldoon, Plath.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ENG350H1 Early Canadian Literature [36L]**

Writing in English Canada before 1914, from a variety of genres such as the novel, poetry, short stories, exploration and settler accounts, nature writing, criticism, First Nations cultural production.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ENG352H1 Canadian Drama [36L]**

A study of major Canadian playwrights and developments since 1940, with some attention to the history of the theatre in Canada.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ENG353Y1 Canadian Fiction [72L]**

A study of ten to twelve Canadian works of fiction, primarily novels.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ENG354Y1 Canadian Poetry [72L]**

A study of major Canadian poets, modern and contemporary.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ENG355H1 Indigenous Women's Literature [36L]**

A study of works by Indigenous women writers from North America and beyond, with significant attention to Aboriginal writers in Canada. Texts engage with issues of de/colonization, representation, gender, and sexuality, and span multiple genres, including fiction, life writing, poetry, drama, film, music, and creative non-fiction.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ENG357H1 New Writing in Canada [36L]**

Close encounters with recent writing in Canada: new voices, new forms, and new responses to old forms. Texts may include or focus on poetry, fiction, drama, non-fiction, or new media.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ENG359H1 African Canadian Literature [36L]**

Black Canadian Literature (poetry, drama, fiction, non-fiction) from its origin in the African Slave Trade in the eighteenth century to its current flowering as the expression of immigrants, exiles, refugees, ex-slave-descended, and colonial-settler-established communities. Pertinent theoretical works, films, and recorded music are also considered.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG360H1 Early American Literature [36L]**

This course explores writing in a variety of genres produced in the American colonies in the seventeenth and eighteenth centuries, such as narratives, poetry, autobiography, journals, essays, sermons, court transcripts.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG363Y1 Nineteenth-Century American Literature [72L]**

This course explores American writing in a variety of genres from the end of the Revolution to the beginning of the twentieth century.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG364Y1 Twentieth-Century American Literature [72L]**

This course explores twentieth-century American writing in a variety of genres.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG365H1 Contemporary American Fiction [36L]**

This course explores six or more works by at least four contemporary American writers of fiction.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG366H1 Caribbean Literature [36L]**

Literatures and cultures of the Caribbean and the diaspora, including fiction, poetry, theory, drama, film, and other media.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG367H1 African Literatures in English [36L]**

What, if anything, is distinctively "African" in African texts; what might it mean to produce "African" readings of African literature? We address these, as well as other questions, through close readings of oral performances and literary and other cultural texts.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG368H1 Asian North American Literature [36L]**

Literature and cultures of Asian Canadians and Asian Americans, including fiction, poetry, theory, drama, film, and other media.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG369H1 South Asian Literatures in English [36L]**

Major authors and literary traditions of South Asia, with specific attention to literatures in English from India, Sri Lanka, Pakistan, Bangladesh, and the diaspora. The focus will be on fiction and poetry with some reference to drama.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG370H1 Postcolonial and Transnational Discourses [36L]**

This course focuses on recent theorizations of postcoloniality and transnationality through readings of fictional and non-fictional texts, along with analyses of contemporary films and media representations.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG375H1 Topics in Jewish Literature [36L]**

Jewish literature in English, focusing on questions of language, history, religion, national identity, and genre. May include prose, poetry, drama, film, or music from various Jewish literary communities.

Prerequisite: 2.0 ENG/CJS FCE and any 4.0 FCE, or permission of the instructor and the Associate Chair.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG380H1 History of Literary Theory [36L]**

Literary theory from classical times to the nineteenth century. Topics include theories of the imagination, genre analysis, aesthetics, the relations between literature and reality and literature and society, and the evaluation and interpretation of literature.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG382Y1 Contemporary Literary Theory [72L]**

This course explores literary theory from the early twentieth century to the present. Schools or movements studied may include structuralism, formalism, phenomenology, Marxism, post-structuralism, reader-response theory, feminism, queer theory, new historicism, psychoanalysis, postcolonial theory, and cultural and race studies.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) + Thought, Belief and Behaviour (2)

## **ENG383H1 Critical Methods [36L]**

Sustained study of one school, movement, or approach in literary theory, history, or criticism. Content varies with instructors.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ENG384Y1 Literature and Psychoanalysis [72L]**

An introduction to psychoanalysis for students of literature, this course considers major psychoanalytic ideas through close readings of selected texts by Freud. The course also explores critiques and applications of Freud's work and examines a selection of literary texts that engage psychoanalytic theory.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) + Thought, Belief and Behaviour (2)

## **ENG385H1 History of the English Language [36L]**

This course explores English from its prehistory to the present day, emphasizing Old, Middle, and Early Modern English and the theory and terminology needed to understand their lexical, grammatical, and phonological structure; language variation and change; codification and standardization; literary and non-literary usage.

Prerequisite: 2.0 ENG FCE and any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### **ENG389Y1 Creative Writing [72S]**

Restricted to students who in the opinion of the Department show special aptitude for writing poetry, fiction, or drama. For application procedure, see the descriptions online and submit an application by May 15. Not eligible for CR/NCR option.

Prerequisite: 2.0 ENG FCE, any 4.0 FCE and permission of the instructor and the Associate Chair

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **ENG390Y1 Individual Studies [TBA]**

A scholarly project chosen by the student and supervised by a member of the staff. The form of the project and the manner of its execution are determined in consultation with the supervisor. All project proposals should be submitted by May 15. Proposal forms are available online and from the Department. Not eligible for CR/NCR option.

Prerequisite: 3.0 ENG FCE, any 4.0 FCE and permission of the instructor and the Associate Chair

Exclusion: ENG392H

Distribution Requirement Status: Humanities

Breadth Requirement: None

### **ENG391Y1 Individual Studies (Creative) [TBA]**

A project in creative writing chosen by the student and supervised by a member of the staff. The form of the project and the manner of its execution are determined in consultation with the supervisor. All project proposals should be submitted by May 15. Proposal forms are available online and from the Department. Not eligible for CR/NCR option.

Prerequisite: 3.0 ENG FCE, including ENG389Y1, any 4.0 FCE and permission of the instructor and the Associate Chair

Exclusion: ENG393H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **ENG392H1 Individual Studies [TBA]**

A scholarly project chosen by the student and supervised by a member of the staff. The form of the project and the manner of its execution are determined in consultation with the supervisor. All project proposals should be submitted by May 15. Proposal forms are available online and from the Department. Not eligible for CR/NCR option.

Prerequisite: 3.0 ENG FCE, any 4.0 FCE and permission of the instructor and the Associate Chair

Exclusion: ENG390Y1

Distribution Requirement Status: Humanities

Breadth Requirement: None

### **ENG393H1 Individual Studies (Creative) [TBA]**

A project in creative writing chosen by the student and supervised by a member of the staff. The form of the project and the manner of its execution are determined in consultation with the supervisor. All project proposals should be submitted by May 15. Proposal forms are available online and from the Department. Not eligible for CR/NCR option.

Prerequisite: 3.0 ENG FCE, including ENG389Y1, any 4.0 FCE and permission of the instructor and the Associate Chair

Exclusion: ENG391Y1

Distribution Requirement Status: Humanities

Breadth Requirement: None

### **ENG398H0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

### **ENG399Y0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **400-Series Courses**

English 400-series courses are open to students who have obtained standing in 9.0 FCE, including 4.0 ENG FCE. Students who require a 400-series course to satisfy their program requirements have enrolment priority in the first round of course enrolment. Individual topics to be specified by instructors. Seminars are designed to provide students with the opportunity to practice their skills of research and interpretation at a particularly advanced level. These courses are not eligible for the CR/NCR option. **Please note that prerequisites and exclusions will be strictly enforced.**

### **ENG414H1 Advanced Studies: Theory, Language, Methods [24S]**

Advanced Studies: Theory, Language, Methods

Not eligible for CR/NCR option.

Prerequisite: 4.0 ENG FCE and any 9.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: None

### **ENG415H1 Advanced Studies: Theory, Language, Methods [24S]**

Advanced Studies: Theory, Language, Methods

Not eligible for CR/NCR option.

Prerequisite: 4.0 ENG FCE and any 9.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: None

### **ENG418H1 Advanced Studies Seminar: Theory, Language, Methods [24S]**

Advanced Studies Seminar: Theory, Language, Methods

Not eligible for CR/NCR option.

Prerequisite: 4.0 ENG FCE and any 9.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: None

### **ENG424H1 Advanced Studies: Canadian and Indigenous North American Literatures [24S]**

Advanced Studies: Canadian and Indigenous North American Literatures

Not eligible for CR/NCR option.

Prerequisite: 4.0 ENG FCE and any 9.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: None

# English

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## **ENG425H1 Advanced Studies: Canadian and Indigenous North American Literatures [24S]**

Advanced Studies: Canadian and Indigenous North American Literatures

Not eligible for CR/NCR option.

Prerequisite: 4.0 ENG FCE and any 9.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **ENG428H1 Advanced Studies Seminar: Canadian and Indigenous North American Literatures [24S]**

Advanced Studies: Canadian and Indigenous North American Literatures

Not eligible for CR/NCR option.

Prerequisite: 4.0 ENG FCE and any 9.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **ENG434H1 Advanced Studies: American and Transnational Literatures [24S]**

Advanced Studies: American and Transnational Literatures

Not eligible for CR/NCR option.

Prerequisite: 4.0 ENG FCE and any 9.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **ENG435H1 Advanced Studies: American and Transnational Literatures [24S]**

Advanced Studies: American and Transnational Literatures

Not eligible for CR/NCR option.

Prerequisite: 4.0 ENG FCE and any 9.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **ENG438H1 Advanced Studies Seminar: American and Transnational Literature [24S]**

Advanced Studies Seminar: American and Transnational Literature

Not eligible for CR/NCR option.

Prerequisite: 4.0 ENG FCE and any 9.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **ENG444H1 Advanced Studies: British Literature to the 19th Century [24S]**

Advanced Studies: British Literature to the 19th Century

Not eligible for CR/NCR option.

Prerequisite: 4.0 ENG FCE and any 9.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **ENG445H1 Advanced Studies: British Literature to the 19th Century [24S]**

Advanced Studies: British Literature to the 19th Century

Not eligible for CR/NCR option.

Prerequisite: 4.0 ENG FCE and any 9.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **ENG448H1 Advanced Studies Seminar: British Literature to the 19th Century [24S]**

Advanced Studies Seminar: British Literature to the 19th Century

Not eligible for CR/NCR option.

Prerequisite: 4.0 ENG FCE and any 9.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **ENG454H1 Advanced Studies: Literature since the 18th Century [24S]**

Advanced Studies: Literature since the 18th Century

Not eligible for CR/NCR option.

Prerequisite: 4.0 ENG FCE and any 9.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **ENG455H1 Advanced Studies: Literature since the 18th Century [24S]**

Advanced Studies: Literature since the 18th Century

Not eligible for CR/NCR option.

Prerequisite: 4.0 ENG FCE and any 9.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **ENG458H1 Advanced Studies Seminar: Literature since the 18th Century [24S]**

Advanced Studies Seminar: Literature since the 18th Century

Not eligible for CR/NCR option.

Prerequisite: 4.0 ENG FCE and any 9.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **ENG499Y1 Advanced Research Seminar [48S]**

A seminar designed to provide students with the opportunity to practice their skills of research and interpretation at a particularly advanced level.

Admission by invitation and permission of the instructor and the Associate Chair. Not eligible for CR/NCR option.

Prerequisite: 4.0 ENG FCE, any 9.0 FCE, and permission of the Department.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## Faculty

### Professor and Director

† K. Strong, BSc, DPhil

### Associate Professor and Academic Associate Director

† S. Finkelstein, AB, MPhil, PhD

### Professors

† W.S. Prudham, BA, BSc, MA, PhD

† J.B. Robinson, BA, MES, PhD

### Associate Professor

† S.B. Scharper, BA, MA, PhD

### Assistant Professors

† C. Abizaid, MA, PhD

† K. Neville, BSc, MEnvSci, PhD

† N. Rollinson, BAT, MSc, PhD

C. Wiseman, BES, M. Nat.Res.Mgmt., Dr. Phil. Nat.

† D. Wunch, BSc, MSc, PhD

### Associate Professor, Teaching Stream

K. Ing, BSc, MSc

### Senior Lecturer

D. Macdonald, BA, MA, PhD

† Cross-appointed faculty

## Introduction

The School of the Environment is an innovative interdisciplinary unit within the Faculty of Arts and Science; it brings together and leverages the enormous breadth of environmental teaching and research expertise throughout the Faculty. The School fosters opportunities for interdisciplinary research and scholarship in environment, spanning the sciences, social sciences and humanities. Students who enrolled in programs in the former Centre for Environment will be able to complete them.

### Core Programs:

The School offers core programs in two areas: Environmental Science BSc Major and Minor, and Environment Studies BA Major and Minor. These programs are ideally suited to be taken in conjunction with another program(s) in a related academic field. For example, the Environmental Science Major could be combined with a Major in Environment & Health, Environmental Ethics, Earth and Environmental Systems, Environmental Geography, Forest Conservation Science, Physical & Environmental Geography, Biomedical Toxicology, Chemistry, Physics, Biodiversity and Conservation Biology, or Environmental Biology, while the Environmental Studies Major could be combined with a complementary BA Major such as Political Science, Economics, Women and Gender Studies, Human Geography, Forest Conservation, Architecture, or BSc Major, such as Environmental Biology, Environment & Health, or Forest Conservation Science. These programs of study provide students with a powerful combination of disciplinary depth and interdisciplinary breadth.

The School's Environmental Science B.Sc. Major and Minor programs reflect the fact that most environmental issues are complex and involve

aspects drawing from many different areas of science. These programs provide students with a breadth of knowledge spanning scientific disciplines, and the tools to understand and integrate scientific principles from across the physical and biological sciences, and across multiple spatial and temporal scales. At its core, environmental science is concerned with the scientific analysis and development of creative solutions to environmental problems. Students are exposed to disciplinary and interdisciplinary knowledge and research skills necessary to function as an environmental scientist.

The School's Environmental Studies B.A. Major and Minor are interdisciplinary programs intended for students interested in studying and working in an environmental area, primarily within the social sciences or humanities. These programs offer rigorous academic study of the economic, social, cultural and political forces that drive issues such as species extinction, loss of biodiversity, air and water pollution, and climate change. The interdisciplinary structure of the programs provides grounding in scientific literacy while advancing critical thinking skills that will help students to evaluate complex environmental problems and sustainable solutions for improved environmental health and well-being.

Environmental Science students who wish to have a foundation in Environmental Studies beyond the ENV221H and ENV222H core courses, are encouraged to consider adding the Minor in Environmental Studies to their Environmental Science Major. It is possible to double count a number of courses between the two programs.

### Collaborative Specialist, Major and Minor Programs:

The School collaborates with other disciplines to offer four collaborative Science Specialist programs: Environment & Health; Environmental Chemistry; Environmental Geosciences; and Environment & Toxicology. Other collaborative offerings include Major programs in Environment & Health, and Environmental Ethics, as well as collaborative Minor programs in Environmental Ethics, Energy & Environment, and Environment & Behaviour. These programs combine the School's interdisciplinary core with a deliberately focused set of discipline-specific courses.

### Directed Environmental Minor Programs:

Environmental Minor programs are offered by a number of departments. Five of these Minors are in the sciences, and four are arts Minors. These programs are intended for students interested in acquiring a hierarchical body of environmental knowledge in a specific discipline.

These Minors are open to any student irrespective of program. As with any Minor, these programs can be combined with other programs of study (i.e., Minors and Majors) to meet the requirements for a degree. (See the Degree Requirements section of the Calendar for program requirement details).

### General Program Information:

All Science programs in the School include a strong First Year science component with core interdisciplinary science courses in subsequent years. Students intending to pursue Environmental Science or any of the Science Specialist programs are advised to choose First Year courses from among (BIO120H1, BIO130H1); (CHM136H1/CHM138H1, CHM135H1/CHM139H1)/CHM151Y1; MAT135H1/MAT136H1/MAT137Y1/MAT157Y1/JMB170Y1; (PHY131H1,PHY132H1)/(PHY151H1,PHY152H1), and (GGR100H1/JEG100H1, GGR101H1). Students should identify specific program requirements as well as the prerequisites for ENV234H1; ENV237H1; ENV238H1; ENV316H1; ENV334H1; JEE337H1; CHM210H1 when selecting specific First Year science courses.

Arts programs in the School build on a base of social science and

## Environment (School of the)

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humanities courses. Environmental Studies, as well as Environmental Ethics, do not require specific First Year courses. Students intending to follow arts programs in the area of environment are recommended to take ENV100H1, and might find it helpful to take ENV200H1 in first year, as well as to include some First Year course choices from the 100-level offerings in Anthropology, Biology, Economics, Geography, History, Philosophy, Political Science or Sociology.

**Note:** Majors and Specialists in School of the Environment programs are eligible for a number of School-based scholarships (see <http://www.environment.utoronto.ca/Undergraduate/Scholarships.aspx>)

Students interested in School of the Environment programs should refer to the Calendar program listings below and are encouraged to consult the School's website at <http://www.environment.utoronto.ca>. For further information about the School's programs and courses, please contact:

School of the Environment Academic Associate Director, Prof S. Finkelstein ([finkelstein@es.utoronto.ca](mailto:finkelstein@es.utoronto.ca)).

School of the Environment Undergraduate Student Advisor and Placement Coordinator, David Powell, Room 1049A, Earth Sciences Centre, 416-946-8100 or [david.powell@utoronto.ca](mailto:david.powell@utoronto.ca)

### Environmental Programs in Other Academic Units:

Students should also be aware that numerous programs offered by other academic units have relevance to the study of the environment, and most are highly suitable for double majors with the School of the Environment programs. Students interested in environment-related courses of study should also review the following programs:

### **Biodiversity & Conservation Biology (Science program offered by the Department of Ecology & Evolutionary Biology):**

Details available at: <http://www.eeb.utoronto.ca/Learning/programs.htm>

Students in the Biodiversity and Conservation Biology Major receive training in the relatively young, but already firmly established, synthetic fields of biodiversity and conservation biology. They will be equipped to aid in the response to what is perhaps humanity's most pressing challenge, the conservation of biological diversity. As ecologically responsible and informed citizens, they will appreciate the increasing complexity and uncertainty of the world in which we all live, and be in a position to make informed policy and decisions about sustainable development, global environmental change, control of invasive species, and the conservation of genetic diversity and ecosystem integrity.

### **Earth and Environmental Systems (Science program offered by the Department of Earth Sciences):**

(Details available at: <http://www.es.utoronto.ca/programs/undergraduate/>)

The new Major, Earth and Environmental Systems, takes a holistic approach to understanding how the Earth system works and how it has evolved over tens of millions to billions of years. This requires understanding the dynamics and interactions of all aspects of the system (solid Earth, ocean, atmosphere, and biosphere) and provides the larger context at a time when climate change, resource consumption and global pollution weigh heavily on people and societies.

### **Environmental Biology (Science program offered by the Department of Ecology & Evolutionary Biology):**

Details available at: <http://www.eeb.utoronto.ca/Learning/programs.htm>

The Environmental Biology Major provides a broad background in biology that is essential to understand the impact of humans on other organisms and their environments. It provides students with an understanding of ecology, the diversity and function of living organisms, the physical and

chemical environment, and the ways organisms interact with, and affect, ecosystem processes. Students are exposed to ecosystem management, issues related to environmental change, and the consequences of interactions between humans and the environment.

### **Environmental Geography (Arts program offered by the Department of Geography):**

(See program details under Geography or at <http://www.geog.utoronto.ca/>)

These Specialist, Major and Minor programs can be taken in conjunction with either the School's Arts or Science programs for an Honours Degree. They focus on resource and environmental planning, environmental assessment, water resources, waste management and Canada's forests from the perspective of Geography.

### **Forest Conservation (Arts or Science programs offered by the Faculty of Forestry):**

(See program details under Forestry or at [www.forestry.utoronto.ca](http://www.forestry.utoronto.ca))

These Specialist, Major and Minor programs can be taken in conjunction with the School's science or arts programs for an Honours degree. Core subjects include world forests, forest products in sustainable forestry, forest conservation practices, forest management and resource allocation, and forests and society. Other topics include biodiversity maintenance, ecological sustainability, protection of wildlife and their habitats, international policy, certification, intensive forest management, community management, forest health and forest fragmentation.

### **Physical & Environmental Geography (Science program offered by the Department of Geography):**

(See program details under Geography or at <http://www.geog.utoronto.ca/>)

These Specialist and Major programs can be taken in conjunction with the School's science or arts programs for an Honours Degree. Core subjects include geomorphology, climatology, soil science and hydrology. Other topics include biogeography, remote sensing, climate assessment, biogeochemistry and environmental contaminants modeling.

## Environment (School of the) Programs

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### **Core Programs**

#### **Environmental Science Major (Science program)**

(7.5 full courses or their equivalent)

This is a limited enrolment program. Enrolment is limited and selection will be based on marks in 1.0 FCE of the required first-year courses: BIO120H1 and 0.5 FCE from CHM136H1/CHM138H1/CHM135H1/CHM139H1/CHM151Y1 with an overall average of at least 65% and a final mark of at least 60% in each course. The precise mark thresholds outlined above are an estimate of what will be required in the coming POST admission cycle. Achieving those mark(s) does not necessarily guarantee admission to the POST in any given year. For more information, consult the School's Undergraduate Student Advisor (see above).

First Year (1.5 FCEs): BIO120H1; 0.5 FCE from CHM136H1/CHM138H1/CHM135H1 (recommended)/CHM139H1/CHM151Y1; 0.5 FCE from MAT135H1/MAT137Y1/MAT157Y1/JMB170Y1



Second Year (2.5 FCEs):

1. ENV221H1
2. ENV234H1
3. ENV233H1
4. ENV237H1/ENV238H1\*

\*ENV238H1 is for students who have previously taken PHY131H1/PHY132H1/PHY151H1/PHY152H1  
5. STA220H1/EEB225H1/GGR270H1 or other science courses providing training in statistics as approved by the Academic Associate Director.

NOTE: students interested in taking EEB Field Courses (Group B) in third/fourth year are encouraged to take BIO220H in second/third year.

Third Year (1 FCE):

1. JEE337H1
2. ENV316H1

Third/Fourth Year (2.0 FCEs):

1. 2.0 FCE from courses in Group A, B, and C, with no more than 0.5 FCE from Group C. At least 0.5 FCE must be at the 300+-level

### Group A: Environmental Science

BIO220H1\*/CHM210H1/CHM310H1/CHM410H1/CHM415H1/EEB319H1/EEB321H1/EEB328H1/EEB365H1/EEB428H1/EEB430H1/EEB433H1/EEB440H1/EEB465H1/ENV334H1/ENV341H1/ENV346H1/ENV430H1/ENV432H1/ESS261H1/ESS311H1/ESS312H1/ESS461H1/ESS463H1/GGR301H1/GGR308H1/GGR314H1/GGR347H1/GGR348H1/GGR409H1/JGA305H1/PCL362H1/PHY392H1\*\*/PHY492H1\*\*

Notes: \*BIO220H1 is required for all upper-year 300+ EEB series courses, with no exceptions. \*\*PHY392H1 and PHY492H1 include relevant environmental content, but prerequisites for these courses cannot be used towards Group A requirements.

### Group B: Environmental Science-related Field Courses

ANT330Y1/ARH306Y1/EEB403H1/EEB405H1/EEB406H1/EEB407H1/EEB410H1/ENV336H1/ENV395Y1/ENV396Y1/ESS330H1/ESS410H1/ESS450H1/GGR390H1

Note: \*BIO220H1 is required for all upper-year 300+ EEB series courses, with no exceptions.

### Group C: Environmental Policy & Society (no more than 0.5 FCE from Group C)

ENV222H1/ENV281H1/ENV282H1/ENV307H1/ENV320H1/ENV322H1/ENV323H1/ENV333H1/ENV335H1/ENV347H1/ENV350H1/ENV381H1/ENV382H1/ENV422H1/FOR302H1

Fourth Year (0.5 FCE):

1. 0.5 FCE from the following: ENV432H1\*/ENV440H1/ENV452H1\*

\*Note that ENV432H1 requires one of EEB319H1/EEB321H1/EEB365H1/ENV334H1 as a prerequisite, and ENV452H1 includes ENV334H1 as one of its prerequisites.

Students combining the Environmental Science Major with a second BSc or BA Major, and who are also interested in obtaining a basic understanding of the social/political/policy aspects of environment, can add the Environmental Studies Minor. Some of the courses taken for the Environmental Science Major may be double counted for this Minor. Please contact the Undergraduate Student Advisor (see above) to learn more about this option.

## Environmental Science Minor (Science Program)

This is a limited enrolment program. Enrolment is limited and selection will be based on marks in BIO120H1 and CHM136H1/CHM138H1/CHM135H1/CHM139H1/CHM151Y1 with an overall average of at least 65% and a final mark of at least 60% in each course. The precise mark thresholds outlined above are an estimate of what will be required in the coming POST admission cycle. Achieving those mark(s) does not necessarily guarantee admission to the POST in any given year.

For more information, consult the School's Undergraduate Student Advisor (see above).

First Year (1.5 FCE):

1. BIO120H1; 0.5 FCE from CHM136H1/CHM138H1/CHM135H1 (recommended)/CHM139H1/CHM151Y1; 0.5 FCE from MAT135H1/MAT137Y1/MAT157Y1/JMB170Y1

Higher Years (2.5 FCEs):

2. ENV221H1
3. 1.0 FCE from ENV234H1, ENV233H1, ENV237H1/ENV238H1\*
4. JEE337H1
5. 0.5 FCE from courses in Group A or B\*\*

### Notes

\* ENV238H1 is for students who have previously taken PHY131H1/PHY132H1/PHY151H1/PHY152H1

\*\* Students should verify the prerequisites for the courses listed under the groups below in advance of their course selection.

BIO220H1 is required for all upper-year EEB 300+-series courses (Group A and B) and there are no exceptions.

### Group A: Environmental Science

CHM310H1/CHM410H1/CHM415H1/EEB319H1/EEB321H1/EEB328H1/EEB365H1/EEB428H1/EEB430H1/EEB433H1/EEB440H1/EEB465H1/ENV334H1/ENV341H1/ENV346H1/ENV430H1/ENV432H1/ESS261H1/ESS311H1/ESS312H1/ESS461H1/ESS463H1/GGR301H1/GGR308H1/GGR314H1/GGR347H1/GGR348H1/GGR409H1/JGA305H1/PCL362H1/PHY392H1\*/PHY492H1\*

Notes: \*PHY392H1 and PHY492H1 include relevant environmental content, but prerequisites for these courses cannot be used towards Group A requirements.

### Group B: Environmental Science-related Field Courses

ANT330Y1/ARH306Y1/EEB403H1/EEB405H1/EEB406H1/EEB407H1/EEB410H1/ENV316H1/ENV336H1/ENV395Y1/ENV396Y1/ESS330H1/ESS410H1/ESS450H1/GGR390H1

## Environmental Studies Major (Arts Program)

For more information, consult the School's Undergraduate Student Advisor (see above).

(7 FCE or their equivalent, including at least 2.5 FCE at the 300+ level and 0.5 FCE at the 400 level)

First Year

Students must complete at least 4 FCE before applying to this type 1

# Environment (School of the)

major. ENV100H1 is recommended but not required.

Higher Years:

1. ENV221H1; ENV222H1; ENV223H1.

2. ENV200H1 or another 0.5 FCE Life Science course approved by the Undergraduate Coordinator.

3. 0.5 FCE from the following Environmental Policy, Law & Society courses: ENV320H1; ENV322H1; ENV323H1; ENV347H1; ENV350H1; ENV422H1; JGE331H1

4. 0.5 FCE from among the following Environmental Thought & Ethics courses: ENV333H1; JGE321H1; CLA373H1; WGS273H1/WGS273Y1

5. One of ENV421H1/ENV440H1/ENV451H1.

6. An additional 3.5 FCE of courses from any combination of courses listed in the three groups below\*, with no more than 1 FCE from the Science group.

\*Students may choose to take courses across the three groups or within a particular group, depending on their interest.

## Environmental Studies Major Course Groups

### Environmental Policy, Law & Society Courses

ANT346H1; ANT351H1; ANT364H1; ANT371H1; ANT374H1; ECO313H1; ECO314H1; ENV281H1; ENV282H1; ENV307H1; ENV320H1; ENV322H1; ENV323H1; ENV335H1; ENV347H1; ENV350H1; ENV381H1; ENV382H1; ENV422H1; FOR302H1; FOR303H1; GGR321H1; GGR329H1; GGR334H1; GGR338H1; GGR341H1; GGR416H1; GGR418H1; GGR434H1; GGR438H1; HIS404H1; HPS307H1; HPS313H1; HPS324H1; JGE321H1; JGE331H1; POL413H1

### Environmental Thought & Ethics Courses

ABS250H1; ABS402H1; ANT353H1; ANT376H1; CLA373H1; ENV333H1; FOR302H1; FOR303H1; GGR321H1; GGR419H1; HIS404H1; JGE321H1; JUG320H1; PHL273H1; PHL373H1; PSY435H1; RLG228H1; RLG345H1; RLG484H1; WGS273H1/WGS273Y1.

### Environmental Science Courses

EEB204H1; ENV234H1; ENV341H1; ENV395Y1; ENV396Y1; ENV430H1; ENV431H1; FOR200H1; FOR201H1; FOR400Y1; FOR401H1; GGR272H1; GGR273H1; GGR314H1; GGR337H1; ESS205H1; JEH455H1; JGE236H1/JEE337H1

### Environmental Studies Minor (Arts Program)

Consult David Powell, Undergraduate Student Advisor, School of the Environment, Room 1049A, Earth Sciences Centre, 416-946-8100 or david.powell@utoronto.ca

(4 FCE or their equivalent, including at least 1.5 FCE at the 300+ level)

First Year

Students must complete at least 4 FCE before applying to this type 1 minor. ENV100H1 is recommended but not required.

Higher Years:

1. ENV221H1; ENV222H1/GGR222H1.

2. ENV200H1 or another 0.5 FCE Life Science course approved by the Undergraduate Coordinator.

3. An additional 2.5 FCE, a maximum 1.0 of which may be environmental

courses offered by academic units other than the CFE (from Group A below). The remainder must be selected from the following: ENV281H1; ENV282H1; ENV307H1; ENV320H1; ENV322H1; ENV323H1; JGE321H1; JGE331H1; ENV333H1; ENV335H1; ENV341H1; ENV347H1; ENV350H1; ENV381H1; ENV382H1; ENV395Y1; ENV396Y1; ENV421H1\*; ENV422H1\*; ENV430H1\*; ENV431H1\*; ENV440H1\*; PHL273H1

\*Note: with permission of Undergraduate Coordinator

## Environmental Studies Course Groups

### Group A:

ABS250H1, ABS402H1; ANT351H1; ANT353H1, ANT364H1/ANT364Y1, ANT450H1; APS203H1, APS302H1 (App. Sci. & Eng.); CHM210H1; CLA373H1; ECO313H1, ECO314H1; ENV234H1, ENV235H1, ENV334H1; FOR200H1, FOR201H1, FOR302H1, FOR303H1, FOR400Y1, FOR401H1; GGR272H1, GGR273H1, GGR314H1, GGR321H1/JAG321H1, GGR332H1, GGR334H1, GGR335H1, GGR338H1, GGR416H1, GGR418H1, GGR419H1, GGR438H1, GGR473H1; HIS404H1; HPS307H1, HPS313H1, HPS324H1; JEE337H1/JGE236H1; NEW342H1; PHL373H1; POL413H1; PSY435H1/PSY335H1; RLG228H1, RLG345H1, RLG484H1; SOC385H1; WGS273H1/WGS273Y1; other approved courses\*\*

\*\*NOTE: Some courses offered by other Faculties or at the University of Toronto Mississauga or Scarborough may be eligible for inclusion in Group A above.

## Collaborative Programs

Students interested in the subject matter of one of the four collaborative Specialist BSc programs described below may either take that Specialist, or may combine the Environmental Science Major described above, with a Major in the related discipline: Chemistry, Earth & Environmental Systems, Environment & Health, or Biomedical Toxicology. Please contact the Undergraduate Student Advisor (see above) to learn more about these options.

### Environmental Chemistry Specialist (Science program)

Consult Professor J. Murphy, Department of Chemistry (416-946-0260 or jmurphy@chem.utoronto.ca)

A collaboration between the School of the Environment and the Department of Chemistry, this program focuses on analytical theory, instrumentation and methodological aspects of organic and inorganic contaminants in soil, water, air and biological tissues.

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required courses will be eligible to enrol. Consult the Arts & Science Program Enrolment web site at <http://www.artsci.utoronto.ca/current/program> for details.

Courses for admission: CHM138H1 and CHM139H1 or CHM151Y1 with a minimum mark of 63%.

(14 full courses or their equivalent, including at least one 400-series course)

First Year: (BIO120H1, BIO130H1/BIO220H1)/BIO150Y1; CHM151Y1 (strongly recommended)/(CHM136H1/CHM138H1, CHM135H1/CHM139H1); (MAT135H1, MAT136H1)/MAT135Y1/MAT137Y1

First or Second Year: PHY138Y1/PHY140Y1/(PHY131H1,

PHY132H1)/(PHY151H1, PHY152H1)

Second and Higher Years:

1. CHM217H1, CHM225Y1/(CHM220H1, CHM221H1)/(CHM222H1, CHM223H1), CHM238Y1, CHM247H1/CHM249H1; (CHM210H1, GGR203H1/GGR303H1/GGR314H1); STA220H1/GGR270H1
2. CHM310H1, CHM410H1, CHM415H1; ENV234H1, ENV221H1, ENV222H1, ENV334H1/ENV341H1/ENV346H1
3. One additional FCE from 300/400-series CHM courses
4. ENV421H1/CHM499Y1/CHM398H0 (in areas relevant to the program, to be approved by the Department)
5. Further courses from any 300/400 series courses with DR=SCI, BR=4 or BR=5 such that the total FCE for the specialist is 14.

NOTE: Please read prerequisites and exclusions carefully, particularly the minimum mark requirement of 63% in chemistry courses. All prerequisites must be fully completed before a course can be taken. Courses that are prerequisites cannot be taken simultaneously with the courses for which they are a prerequisite (i.e., they are not "co-requisites"). Students from other institutions must show their transcripts to the department if they are using prior courses as prerequisites. The same rules apply.

## Environmental Ethics Major (Arts Program)

Jointly sponsored by the School of the Environment and the Department of Philosophy, this program explores how value judgments and worldviews affect environmental decision making. For more information, consult the School's Undergraduate Student Advisor (see above).

(6.0 full courses or their equivalent)

1. (ENV221H1, ENV222H1; PHL273H1; JGE321H1
2. One FCE from PHL373H1; ENV333H1; JGE331H1
3. 0.5 FCE from among ENV421H1/ENV492H1/ENV493H1, ENV440H1, ENV451H1
4. 2.5 FCE's from Group A below.

### Group A:

ABS402H1; ANT450H1; ECO105Y1; ENV335H1, ENV347H1; FOR302H1; GGR321H1/JAG321H1; HIS318Y1; HPS202H1, HPS307H1; PHL275H1, PHL295H1, PHL375H1, PHL394H1, PHL395H1, PHL413H1; PSY335H1/PSY435H1; RLG228H1, RLG345H1, RLG484H1; WGS273H1/WGS273Y1

## Environmental Ethics Minor (Arts Program)

Jointly sponsored by the School of the Environment and the Department of Philosophy, this program explores how value judgments and worldviews affect environmental decision making. For more information, consult the School's Undergraduate Student Advisor (see above).

(4 full courses or their equivalent; must include at least one full-course equivalent at the 300+-level)

1. PHL273H1
2. One of PHL373H1, ENV333H1; JGE321H1, JGE331H1
3. ENV221H1, ENV222H1
4. Two additional FCE's in PHL, with at least one half course at the 300+ level. It is recommended that one course be in the History of Philosophy and the other in the Problems of Philosophy, including one half-course in ethics.

## Environmental Geosciences Specialist (Science Program)

A collaboration between School of the Environment and the Department of Earth Sciences. Topics include earth materials, sedimentary geology, aqueous geochemistry, hydrogeology and biogeochemistry. For more information, please contact the Associate Chair for Undergraduate Studies, Department of Earth Sciences, [undergradchair@es.utoronto.ca](mailto:undergradchair@es.utoronto.ca). Students should note that under the Professional Geoscientists Act of 2000, individuals practicing Environmental Geoscience in Ontario require education that fulfills APGO knowledge requirements or a P.Eng.

(14.0 FCEs, which includes fulfillment of the Faculty's Distribution requirement; must include at least 4.0 FCE of 300+-series courses, 1.0 of which must be at the 400-level)

### Environmental Geosciences Specialist

First Year: CHM151Y1/(CHM136H1/CHM138H1, CHM135H1/CHM139H1); (MAT135H1, MAT136H1) / MAT137Y1; PHY131H1, PHY132H1

First or Second Year: BIO120H1

Second to Fourth Years:

ENV233H1, ESS221H1, ESS222H1, ESS241H1; GGR201H1; ENV234H1/ESS261H1/EEB214H1; CHM210H1; MAT235Y1/(MAT221H1/MAT223H1, ESS345H1); STA220H1/GGR270H1; ESS311H1, ESS312H1, ESS331H1; ESS425H1/ENV315H1; ESS461H1, ESS410H1  
2.0 FCE from: JGA305H1, ESS381H1, ESS450H1, ESS441H1, ESS445H1, ESS481H1, ESS491H1/ESS492Y1

## Environment & Behaviour Minor (Science Program)

Jointly sponsored by the School of the Environment and the Department of Psychology, this program will focus on understanding issues of psychological motivation and attitudes that underlie environmental decision making. Little positive environmental change can occur in the absence of broad-based behaviour changes. For more information, consult the School's Undergraduate Student Advisor (see above). See the Arts & Science Program Enrolment web site for application procedures.

(4 full courses or their equivalent; must include at least one full course equivalent at the 300+-level.

Enrolment in the Minor program is limited to students also enrolled in the Psychology Minor/Major/Specialist.

Higher Years:

1. ENV221H1, ENV222H1; PSY220H1, PSY435H1
2. One FCE from ENV333H1, ENV335H1; ENV381H1; JGE321H1; JGE331H1
3. One FCE from PSY320H1, PSY321H1, PSY327H1/PSY427H1, PSY336H1

## Environment & Energy Minor (Science Program)

### Environment and Energy (Science Program) –Joint Program with the School of the Environment

Note: Students combining this program with a Specialist/Major sponsored by the Department of Geography will normally be allowed to count only 1.5 (of the 4.0) FCEs towards both programs.

Jointly sponsored by the School of the Environment and the Department of Geography, this interdisciplinary program addresses the scientific, technological, environmental and policy aspects of energy use and

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supply, with a focus on the reduction of environmental impacts.

Minor Entry Requirements: Note that the four full course equivalents that constitute the Minor Program are those listed below under "Higher Years." For more information, consult the School's Undergraduate Student Advisor (see above).

Number of half courses	Courses	FCEs
A: First Year: At least 2 FCE from among	(MAT135H1, MAT136H1)/MAT135Y1/MAT137Y1 and at least one FCE from among CHM138H1, CHM139H1, CHM151Y1; PHY131H1, PHY132H1, PHY151H1, PHY152H1	
B: All	ENV221H1, ENV222H1/GGR223H1	1.0
C: All	ENV346H1, ENV350H1, ENV450H1	1.5
D: All	(GGR314H1, GGR333H1)/(GGR347H1, GGR348H1)	1.0
E: Any	CHM210H1, CHM310H1, CHM415H1; ENV237H1/ENV238H1; FOR310H1, FOR410H1; GGR203H1, GGR303H1, GGR314H1 (if not taken for section D), GGR403H1; HPS313H1; PHY231H1, PHY250H1	0.5
<b>Total</b>		<b>4.0</b>

### Environment & Health Specialist (Science Program)

From air pollution and water contamination to climate change, the anthropogenic impact on our environment has significant repercussions on human health. A collaboration between the School of the Environment and Human Biology, the objective of the Environment and Health program is to provide students with instruction in fundamental biological

sciences and to integrate a broad understanding of the environmental determinants of health.

For more information, consult the School's Undergraduate Student Advisor (see above).

### Environment & Health Specialist (Science Program)

This is an unlimited enrolment program. All students who have completed at least 4.0 courses, including the Year 1 requirements below, are eligible to enrol.

(14 full courses or their equivalent which includes fulfillment of the Faculty's Distribution requirements; must include at least four 300+-series courses, one of which must be at the 400-level)

Year 1: Students must complete Year 1 requirements 1 and 2 prior to entering POST:

- BIO120H1; BIO130H1
- (CHM136H1/CHM138H1; CHM135H1/CHM139H1)/ CHM151Y1 (Only transfer credits that carry exclusions to CHM136H1/CHM138H1 and/or CHM135H1/CHM139H1 will be accepted)
- 1 full course or its equivalent in half courses from among: GGR100H1/ JEG100H1/ GGR101H1/ MAT135H1/ MAT136H1/ JMB170Y1/ PHY131H1/ PHY132H1/ PHY151H1/ PHY152H1/ PSY100H1

Year 2: Foundations of environment and health

- BCH210H1/CHM247H1
- BIO220H1; BIO230H1/BIO255H1
- HMB265H1/BIO260H1
- ENV221H1; ENV222H1
- ENV234H1; JEE337H1
- PHL273H1

Year 3: Selected topics in environment and health with greater depth.

- STA220H1; STA221H1
- BCH311H1/CSB349H1/LMP363H1/NFS284H1/(PSL300H1, PSL301H1)/PSL350H1
- JGE321H1; ENV341H1
- 1.0 FCE from: CHM210H1/ENV334H1/(only one from ENV233H1/ ESS261H1/ GGR203H1/ GGR303H1/ GGR314H1/ PHY231H1)

Years 3 & 4:

- 1.5 FCE from environment and health relevant courses: HMB302H1/ HMB303H1/ HMB314H1/ HMB322H1/ HMB390H1/ HMB496Y1/ HMB499Y1/ANA300Y1/ ANA301H1/ BCH311H1/ CSB349H1/ PSL350H1/ BCH370H1/ CHM310H1/ CSB325H1/ CSB327H1/ CSB328H1/ CSB331H1/ CSB346H1/ CSB347H1/ CSB350H1/ CSB351Y1/ EEB318H1/ EEB319H1/ EEB321H1/ EEB328H1/ EEB362H1/ EEB375H1/ EEB428H1/ ENV315H1/ ESS425H1/ ENV316H1/ ENV336H1/ GGR303H1/GGR305H1/ GGR409H1/ GGR347H1/ GGR348H1/ HIS423H1/ JGE347H1/ JGE348H1/ ESS311H1/ ESS312H1/ IMM334Y1/ LMP301H1/ LMP363H1/ MGY377H1/ NFS382H1/ NFS386H1/ NFS488H1/ PSL372H1/ PSL420H1/ PSY435H1 or any other approved course for which the student has appropriate prerequisites. The 1.5 FCE can be chosen to reflect the particular academic interests of each student.

Year 4: Advanced topics in environment and health with emphasis on primary research and critical analysis

15. ENV421H1/HMB396Y0/HMB496Y1/HMB499Y1 or a minimum of 0.5 FCE from any approved departmental or college independent research project

16. JEH455H1

E&H Specialist Program Notes:

1. Many second, third and fourth year courses in this program have specific prerequisites. Students should check prerequisites for the higher level courses they are interested in prior to making first year course selections, and on through higher years

2. EEB225H is no longer equivalent to STA221H, as of the 2011-12 academic year.

## Environment & Health Major (Science program)

Environment & Health Major (Science program)

This is an unlimited enrolment program. All students who have completed at least 4.0 courses, including the Year 1 requirements below, are eligible to enrol.

Required Courses (8.0 FCE)

Year 1: Students must complete Year 1 requirements 1 and 2 prior to entering POST:

1. BIO120H1; BIO130H1

2. (CHM136H1/CHM138H1; CHM135H1/CHM139H1)/ CHM151Y1 (Only transfer credits that carry exclusions to CHM136H1/CHM138H1 and/or CHM135H1/CHM139H1 will be accepted)

3. GGR100H1/JEG100H1/GGR101H1/ESS102H1/GLG102H1/MAT135H/PHY131H1/ PSY100H1

Year 2: Foundations in environment and health

4. BCH210H1/ CHM247H1

5. BIO220H1; BIO230H1/BIO255H1

6. HMB265H1/BIO260H1

7. 1.0 FCE from environmental core courses: ENV221H1 /ENV222H1/ ENV234H1/JEE337H1

Year 3: Third year core courses

8. ENV341H1

9. PSL300H1; PSL301H1

Years 3 or 4:

10. 0.5 FCE from environment and health relevant courses: HMB302H1/ HMB303H1// HMB314H1/ HMB322H1/ HMB390H1/ HMB496Y1/ HMB499Y1/ANA300Y1/ ANA301H1/ BCH311H1/ CSB349H1/ PSL350H1/ BCH370H1/ CHM310H1/ CSB325H1/ CSB327H1/ CSB328H1/ CSB331H1/ CSB346H1/ CSB347H1/ CSB350H1/ CSB351Y1/ EEB318H1/ EEB319H1/ EEB321H1/ EEB328H1/ EEB362H1/ EEB375H1/ EEB428H1/ ENV315H1/ ESS425H1/ ENV316H1/ ENV336H1/ GGR303H1/GGR305H1/ GGR409H1/ GGR347H1/ GGR348H1/ HIS423H1/ JGE347H1/ JGE348H1/ ESS311H1/ ESS312H1/ IMM334Y1/ LMP301H1/ LMP363H1/ MGY377H1/ NFS382H1/ NFS386H1/ NFS488H1/ PSL372H1/

PSL420H1/ PSY435H1

Year 4: Environment & Health Capstone Course

11. JEH455H1

## Environment & Toxicology Specialist (Science Program)

This program is jointly sponsored by the Department of Pharmacology and Toxicology and the School of the Environment. For additional information see "School of the Environment"

([www.environment.utoronto.ca](http://www.environment.utoronto.ca)) or consult our website:

[www.pharmtox.utoronto.ca](http://www.pharmtox.utoronto.ca)

The Environment and Toxicology Specialist program is an interdisciplinary program which spans the social, physical and life sciences and integrates study of the effects of chemicals not only on the health and behaviour of human beings, but on whole ecosystems, as the adverse effects associated with therapeutic and environmental chemicals are discussed. This program emphasizes the application of knowledge of environmental toxicology and risk assessment and prepares students for a variety of job opportunities following its completion. Graduates of the Environment and Toxicology program may pursue careers in scientific research, environmental science, conservation science, governmental agencies, consulting agencies, and within chemical, manufacturing or agriculture industries. Students learn to integrate basic environmental and life science with particular aspects of clinical toxicology and related areas through lectures, tutorials, and laboratory and independent research project experience. The senior independent research project course enables students to gain valuable research experience while working under the supervision of an individual faculty member in either a laboratory-based or a non-laboratory-based setting.

Students may choose to participate in the Professional Experience Year internship. The PEY internship is an elective 12-16 month paid employment placement within pharmaceutical/biotechnology/chemical companies, university research laboratories, university-affiliated organizations, consulting companies or government research agencies. The PEY takes place between the 3rd and 4th years of undergraduate study and is open to Specialists in Environment and Toxicology who have a cGPA of at least 3.0. The PEY internship provides an excellent opportunity for real-world experience in drug development, project management, client relations, basic and clinical research, information management and regulatory affairs.

The Environment and Toxicology Specialist is a Type 2L program and can only accommodate a limited number of students. Admission into this program is determined by a student's average in the following courses: BIO120H1, BIO130H1, CHM136H1/CHM138H1, CHM135H1/CHM139H1, and one of PHY131H1, MAT135H1, or GGR100H1/JEG100H1. It is expected that a cumulative average of 70% in the selected courses will be required for admission; however, achieving that mark does not necessarily guarantee admission to the program in any given year. Entry into the program requires completion of BIO120H1, BIO130H1; CHM136H1/CHM138H1, CHM135H1/CHM139H1, one of PHY131H1, MAT135H1, or GGR100H1/JEG100H1 and 0.5 FCE from among the other first year course requirements. Completion of the program requires completion of all 4 FCE of the first year required courses. See the Arts & Science Program Enrolment web site for application procedures.

NOTE: Students cannot combine a Biomedical Toxicology Major program with an Environment and Toxicology Specialist program for their degree.

Students who wish to enroll in the program **after** their second year will be considered on a case-by-case basis. Successful completion of required

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prerequisite courses is required to enroll in further upper-level program courses.

For more information, consult the School's Undergraduate Student Advisor (see above) or the Pharmacology and Toxicology Undergraduate Coordinator at: [undergrad.pharmtox@utoronto.ca](mailto:undergrad.pharmtox@utoronto.ca)

(15 full courses or their equivalent, including 4.0 FCE of 300+-level courses, 1.0 FCE of which must be at the 400-level).

First Year: BIO120H1; BIO130H1; CHM136H1/CHM138H1; CHM135H1/CHM139H1; and at least 0.5 FCE from PHY131H1; MAT135H1; GGR100H1/JEG100H1

First or Second Year: At least 1.5 FCE from GGR100H1/JEG100H1 (if not counted in First Year requirement above); GGR101H1; MAT135H1 (if not counted in First Year requirement above); MAT136H1/JMB170Y1; PHY131H1 (if not counted in First Year requirement above); PHY132H1

Second Year: BCH210H1; BIO230H1/(BIO240H1, 241H1); ENV221H1; ENV222H1, PCL201H1 and CHM247H1. One FCE from (BIO270H1, BIO271H1)/(PSL300H1, PSL301H1)/PSL302Y1 (see NOTE 1)

Third and Fourth Years: BIO220H1; ENV234H1; JGE321H1; ENV334H1; CHM210H1; PCL302H1; PCL362H1; PCL473Y1.

One from PCL376H1/STA220H1/STA221H1/EEB225H1 (see NOTE 2).

One from ENV421H1/PCL366H1+PCL465H1/PCL474Y1 (see NOTES 2 and 4).

At least 1.0 FCE\* from: ENV341H1; PHY231H1; JEE337H1; CHM310H1; ESS463H1/GGR409H1; PCL477H1; PCL481H1; LMP301H1; LMP363H1 (see NOTES 3 and 4)

## NOTES:

1. PSL300H1 and PSL301H1 require MAT100 /PHY100 -series courses.

2. PCL302H1 is a required co-requisite of PCL366H1. PCL201H1, PCL302H1, PCL465H1 and PCL376H1 are pre-requisites for students intending to take PCL474Y1. Students intending to take PCL474Y1 must consult with and obtain permission from the Department of Pharmacology and Toxicology at least 3 months prior to the intended date of enrolment as the student is responsible for arranging for a supervisor.

3. Students taking PCL481H1 must take BCH210H1, PCL302H1 and PCL362H1 as prerequisites. Students taking PCL477H1 must take BCH210H1 prior to doing so.

**4. Students taking ENV421H1 must take 1.5 FCE from program electives above\* to ensure that 15 FCE program credits have been completed.**

## Directed Environmental Minors

### Environmental Anthropology Minor (Arts Program)

A program focused on understanding the diverse nature of interactions between humans and their environments, both in the past and in modern global society. Consult the Undergraduate Office, Department of Anthropology (416-978-6414).

(4 full courses or their equivalent; must include at least one full-course equivalent at the 300+-level)

1. ANT100Y1/(ENV221H1, ENV222H1/GGR222H1)/ENV222Y1/GGR222Y1
2. ANT200Y1/(ANT204H1 + ANT207H1/0.5 300 level Social Anthropology course)

3. Two FCE's from: ABS250H1, ABS402H1; ANT315H1, ANT336H1, ANT346H1, ANT351H1, ANT364H1, ANT366H1, ANT371H1, ANT374H1, ANT376H1, ANT409H1, ANT410H1, ANT415Y1, ANT420H1, ANT430H1, ANT450H1

### Environmental Biology Minor (Science program)

Consult Undergraduate Office in the Department of Ecology and Evolutionary Biology.

(4 full courses or their equivalent; must include at least one full-course equivalent at the 300+ series)

1. 1.5 FCEs: (BIO120H1, BIO220H1)\* \*1.0 FCE taken in first year; ENV234H1 (cannot be substituted with EEB375H1)

Higher Years:

2. 0.5 FCE in organismal biology: EEB266H1, EEB267H1, EEB268H1

3. 2.0 FCEs (courses in both ecology and evolution are recommended) from: EEB318H1, EEB319H1, EEB321H1, EEB322H1, EEB323H1, EEB324H1, EEB362H1, EEB370H1, EEB375H1, EEB386H1; EHJ351H1, EHJ352H1; ENV334H1 (recommended); NUS; no more than one field course from EEB401H1, EEB403H1, EEB405H1, EEB406H1, EEB407H1, EEB409H1, EEB410H1; FOR306H1; NUS343H0

### Environmental Chemistry Minor (Science program)

Consult Professor J. Murphy, Department of Chemistry

Environmental chemistry is the study of the chemical impacts of humankind's activities on the soil, air, and water. This minor provides a balanced fundamental background in chemistry as well as an introduction to the major issues associated with environmental chemistry.

(4 full courses or their equivalent; must include at least one full-course equivalent at the 300+ level)

1. (CHM136H1/CHM138H1, CHM135H1/CHM139H1)/CHM151Y1
2. One full course equivalent from CHM217H1, (CHM220H1/CHM225Y1, CHM221H1)/(CHM222H1, CHM223H1), CHM238Y1, CHM247H1/CHM249H1
3. CHM210H1
4. CHM310H1, and any two of CHM317H1, CHM410H1, CHM415H1

NOTE: Please read prerequisites and exclusions carefully, particularly the minimum mark requirement of 63% in chemistry courses. All prerequisites must be fully completed before a course can be taken. Courses that are prerequisites cannot be taken simultaneously with the courses for which they are a prerequisite (i.e., they are not "co-requisites"). Students from other institutions must show their transcripts to the department if they are using prior courses as prerequisites. The same rules apply.

### Environmental Economics Minor (Arts Program)

Consult Ms. R. Innes, Undergraduate Administrator, Department of Economics (416-978-8616)

This is a limited enrolment (Type 2) program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol.

Required courses: ECO100Y1 with a final mark of at least 67%, OR

ECO105Y1 with a final mark of at least 80%, and MAT133Y1 with a final mark of at least 63%, OR MAT135H1 with a final mark of at least 60% and MAT136H1 with a final mark of at least 60%, OR MAT137Y1 with a final mark of at least 55%, OR MAT157Y1 with a final mark of at least 55%.

(4 full courses or their equivalent)

1. ECO100Y1/ECO105Y1
2. MAT133Y1/MAT135Y1/MAT137Y1
3. ECO200Y1/ECO204Y1/ECO206Y1
4. One full ECO course at the 300+ level, including at least one of ECO313H1 and/or ECO314H1

Note:  
Students enrolled in this Minor program cannot be enrolled in any other program in Economics.

### Environmental Geography Minor (Arts program)

Minor Entry Requirements: There are no entry requirements for this program

Number of half courses	Courses	FCEs
A: Any 1:	GGR107H1 (recommended), GGR100H1, GGR101H1, GGR112H1, GGR124H1 1 (or other GGR course with permission of the Department)	0.5
B: Mandatory:	GGR223H1	0.5
C. Any 1:	GGR201H1, GGR203H1, GGR205H1, GGR206H1, GGR308H1, GGR314H1, GGR333H1, GGR347H1, GGR348H1, JGE236H1, ENV200H1, ENV234H1	0.5
D.	Up to 2.5 FCE from Group A; up to 1.0 FCE from Group B (below)	2.5

Note: At least 1.0 FCE must be 300/400 series courses.		
<b>Total</b>		<b>4.0</b>

### Environmental Geography Groups

#### GROUP A (Geography Courses)

GGR201H1, GGR203H1, GGR205H1, GGR206H1, GGR223H1, GGR272H1, GGR273H1, GGR301H1, GGR303H1, GGR305H1, GGR308H1, GGR314H1, GGR321H1, GGR329H1, GGR333H1, GGR334H1, GGR337H1, GGR338H1, GGR340H1, GGR341H1, GGR347H1, GGR348H1, GGR373H1, GGR381H1, GGR398H1, GGR399Y1, GGR403H1, GGR405H1, GGR409H1, GGR413H1, GGR416H1, GGR418H1, GGR419H1, GGR434H1, GGR438H1, GGR491Y1, GGR492H1, GGR497H1, GGR498H1; JFG470H1, JFG475H1; JGE236H1, JGE321H1, JGE331H1, JGE347H1, JGE348H1; JUG320H1; FOR310H1

#### GROUP B (School of the Environment courses)

ENV200H1, ENV234H1, ENV307H1, ENV323H1, ENV333H1, ENV335H1, ENV350H1, ENV422H1

#### GROUP C

Any other geography courses at the 200/300/400 level not listed in Group A

### Environmental Geosciences Minor (Science Program)

**Admission to the Environmental Geosciences Minor has been administratively suspended as of 1 April 2015 and is no longer admitting students. Students presently enrolled in the minor will be able to complete the program requirements as described below.**

(4 full courses or their equivalent; must include at least one full-course equivalent at the 300+-level)

1. CHM136H1/CHM138H1
2. ENV233H1; ESS221H1, ESS222H1, ESS311H1, ESS312H1, ESS410H1

### Geographic Information Systems Minor (Arts program)

Note: Students combining this program with a Specialist/Major sponsored by the Department of Geography will normally be allowed to count only 1.5 (of the 4.0) FCEs towards both programs.

Minor Entry Requirements: There are no entry requirements for this program

Number of courses	Courses	FCEs
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A: Any 2 half courses	GGR100H1, GGR101H1, GGR107H1, GGR112H1, GGR124H1 1 (or 1.0 other GGR courses with the permission of the Department)	1.0
B: All 4	GGR270H1, GGR272H1, GGR273H1, GGR373H1	2.0
C: Any 2 half courses	GGR225H1, GGR337H1, GGR413H1, GGR462H1, GGR473H1, GGR491Y1, GGR492H1, GGR497H1, GGR498H1, GGR499H1, JFG470H1, JFG475H1	1.0
Note: At least 1.0 FCE must be 300/400 series courses		
<b>Total</b>		<b>4.0</b>

### Physical & Environmental Geography Minor (Science program)

Minor Entry Requirements: There are no entry requirements for this program

Number of courses	Courses	FCEs
A: Any 2	GGR100H1, GGR101H1, GGR107H1, GGR112H1, GGR124H1 1	1.0

B: Any 2	GGR201H1, GGR203H1, GGR205H1, GGR206H1	1.0
C: 3	GGR390H1; (GGR301H1/GGR303H1/GGR305H1); (GGR272H1/GGR337H1/GGR308H1)	1.5
D: Any 1	A half course from GGR201H1, GGR203H1, GGR205H1, GGR206H1, GGR301H1, GGR303H1, GGR305H1, GGR307H1, GGR308H1, GGR314H1, GGR333H1, GGR347H1, GGR348H1, GGR403H1, GGR405H1, GGR409H1, GGR413H1; FOR310H1; JGE236H1	0.5
<b>Total</b>		<b>4.0</b>

## Environment (School of the) Courses

### Lab Materials Fee

Some courses in this department have a mandatory Lab Materials Fee to cover non-reusable materials. The fee for each such course is given below in the course description, and will be included on the student's invoice on ACORN.

NOTE: Many ENV courses are limited in enrolment and require specific prerequisites. Preference is given to students meeting the ACORN deadlines.

### First Year Seminars

The 199Y1 and 199H1 courses offered by the Faculty of Arts & Science are seminars designed to give first-year students an opportunity to work closely with a professor studying cutting-edge topics in a small group setting. A number of these seminars focus on environment-related themes. More details can be found here:

<http://www.artsci.utoronto.ca/current/course/fyh-1/>



## **ENV100H1 Introduction to Environmental Studies [24L]**

An investigation of the relationship between human beings and their natural and built environments. This interdisciplinary course will draw from the sciences, social sciences and the humanities to explore major social, cultural, economic, regulatory, ethical, ecological and technological aspects of environmental issues.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ENV200H1 Assessing Global Change: Science and the Environment (formerly ENV200Y1) [24L/4T]**

The perspective which scientists bring to the understanding and resolution of environmental concerns having global implications: atmospheric systems and climate change, the biosphere and conservation of biodiversity.

This living things and their environment breadth course is intended to fulfill the environmental literacy requirement for students in the BA programs of the School of the Environment or the living things and their environment breadth course requirement for Commerce, Humanities and Social Science students

Exclusion: BIO120H1, BIO150Y1 (applies only to students in Arts & Science); ENV200Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **ENV221H1 Multidisciplinary Perspectives on Environment (formerly ENV222Y1) [24L/4T]**

One of two foundation courses for the School's undergraduate program. Introduces students to ways in which different disciplines contribute to our understanding of environment. Instructors and guest lecturers are drawn from the sciences, social sciences and the humanities and will present subject matter, assumptions, conceptualizations and methodologies of their disciplines.

Exclusion: ENV222Y1/GGR222Y1/JGE221Y1

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **ENV222H1 Interdisciplinary Environmental Studies (formerly ENV222Y1) [24L/4T]**

Building upon ENV221H1, shows how environmental studies is working to knit different disciplinary perspectives into one interdisciplinary body of knowledge; interplay of science and values in definition and framing of issues; roles of markets, politics and ethics in developing solutions; local to global scale; historical and current timeframes.

Exclusion: ENV222Y1/GGR222H1/GGR222Y1/JGE221Y1/JIE222Y1

Note: GGR222H1 as an exclusion for ENV222H1 does not apply for the Winter 2011 offering of the ENV222H1/GGR222H1 combined course.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ENV223H1 Fundamental Environmental Skills [24L]**

The practical, interdisciplinary and controversial nature of environmental issues, as well as the uncertainty that surrounds measures to address them demand mastery of a particular range of skills by environmental students. This course teaches the fundamental research, analysis and presentation skills required for effective environmental work.

Corequisite: ENV221H1 and enrolment in a School Major program, or permission of Academic Associate Director.

Exclusion: GGR271H1 (taken in 2010-11 or after); INI223H1 (2005-06 academic year and before)

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **ENV233H1 Earth System Chemistry [24L]**

This course will examine how the chemistry of the Earth system has changed through geologic time including recent perturbations by humans. Within this context students will be exposed to the scientific principles of thermodynamics, redox, and acid-base chemistry. This course will build on the topics introduced in ENV234H1.

Prerequisite: 0.5 FCE from

CHM135H1/CHM138H1/CHM136H1/CHM139H1

(recommended)/CHM151Y1; 0.5 FCE from

MAT135H1/MAT137Y1/MAT157Y1/JMB170Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **ENV234H1 Environmental Biology: Structure and Function of Ecosystems [24L/18P]**

This multidisciplinary course draws on elements from geology, soil science, and ecology to understand past and present environments and human impacts on landscapes and ecosystems. Emphasis on the structure, functioning and connectivity of aquatic and terrestrial ecosystems. Field trips and labs. Mandatory day-long field trip on a Friday or Saturday (students choose which day; a fee of approximately \$15 may be charged for field trip transportation.) (Lab Materials Fee: \$25)

Prerequisite: BIO120H1 (highly recommended) or

ESS102H1/GLG102H1/GGR100H1/JEG100H1/FOR200H1/FOR201H1

Exclusion: ENV234Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **ENV237H1 Physics of the Changing Environment A [24L/24P]**

The course will cover basic physics of environmental processes and of measurement techniques in the atmosphere, the ocean, lake-land-forest systems, and other biological systems. It will place its work in the context of climate change and other aspects of environmental change. This course is solely intended for students in the Environmental Science Major program who have NOT completed a previous first year physics core course.

Prerequisite: MAT135H1/MAT136H1/MAT137Y1/MAT157Y1/JMB170Y1 , CHM136H1/CHM138H1/CHM135H1/CHM139H1/CHM151Y1

Exclusion: ENV238H1, PHY131H1/PHY132H1/PHY151H1/PHY152H1

Recommended Preparation: Any high school physics

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **ENV238H1 Physics of the Changing Environment B [24L/24P]**

The course will cover basic physics of environmental processes and of measurement techniques in the atmosphere, the ocean, lake-land-forest systems, and other biological systems. It will place its work in the context of climate change and other aspects of environmental change. This course is solely intended for students in the Environmental Science Major program who have completed a previous first year physics core course.

Prerequisite: MAT135H1/MAT136H1/MAT137Y1/MAT157Y1/JMB170Y1 , CHM136H1/CHM138H1/CHM135H1/CHM139H1/CHM151Y1 ,

PHY131H1/PHY132H1/PHY151H1/PHY152H1

Exclusion: ENV237H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

# Environment (School of the)

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## **ENV281H1 Special Topics in the Environment [24L/12T]**

Special topics course designed for students in School of the Environment programs. Content in any given year depends on instructor. See School of the Environment website for more details.

Prerequisite: Students must have completed a minimum of 4.0 FCEs to register for the course.

Exclusion: BIG102Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ENV282H1 Special Topics in the Environment [24L/12T]**

Special topics course designed for students in School of the Environment programs. Content in any given year depends on instructor. See School of the Environment website for more details.

Prerequisite: Students must have completed a minimum of 4.0 FCEs to register for the course.

Exclusion: BIG101Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **ENV299Y1 Research Opportunity Program**

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Social Science or Science

Breadth Requirement: None

## **ENV307H1 Urban Sustainability (formerly JIE307Y1) [36L]**

This course critically examines the concept of urban sustainability in theory and application. Case studies of ongoing urban sustainability programs in the developed and developing world help students assess the successes and failures of these programs. The course also examines the current state of research and implementation efforts toward urban sustainability.

Prerequisite: (ENV221H1, ENV222H1)

Exclusion: INI307Y1 (2005-06 academic year and before)/JIE307Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ENV316H1 Laboratory and Field Methods in Environmental Science [12T/36P]**

This course focuses on methods of sampling and analyzing natural air, water and solid Earth materials for physical, chemical and biological properties that are relevant to current environmental issues. It will integrate approaches from chemistry, physics, geology and biology, and cover techniques in field sampling, laboratory analyses and analyses of large environmental data sets. Basic concepts related to quality control will be emphasized throughout the course: sample collection and storage methods, calibration of field and lab instruments, analyses in complex matrices, errors (accuracy, precision), and detection limits. A fee of approximately \$15 may be charged for field trip transportation.

Prerequisite: ENV234H1, ENV233H1, ENV237H1/ENV238H1

Exclusion: ESS425H1/ENV315H1 (Chemical Analysis of Environmental Samples)

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **ENV320H1 National Environmental Policy (formerly ENV320Y1) [24L/12T]**

Examines ways in which governments develop and implement policy to protect the environment within their borders. Primarily Canada, plus comparisons with other countries. The focus is upon the politics of environmental policy making, which is understood by examining the interests and powers of the relevant state and non-state actors.

Prerequisite: (ENV221H1, ENV222H1)

Exclusion: ENV320Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **JGE321H1 Multicultural Perspectives on Environmental Management [24L]**

Diverse approaches to environmental issues in a variety of multicultural settings are introduced, compared and analyzed, using case studies.

Perspectives on environmental management will be discussed as they emerge from contexts such as Latin America, Asia, or Africa.

Prerequisite: ENV221H1/ENV222H1/GGR222H1/GGR223H1

Exclusion: ENV321Y1

Recommended Preparation: 8.0 FCE's

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ENV322H1 International Environmental Policy (formerly ENV320Y1) [24L/12T]**

Examines the ways in which states negotiate and implement international agreements addressing global environmental issues, such as the United Nations Framework Convention on Climate Change. Focus is upon factors which determine the efficacy of multilateral environmental agreements and the prospects for stronger global environmental governance.

Prerequisite: (ENV221H1, ENV222H1)

Exclusion: ENV320Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ENV323H1 Ontario Environmental Policy (formerly ENV423H1) [24S]**

Introduces students to public policy and institutional foundations of public policy in Canada, with an emphasis on environmental policy in Ontario. Provides an insiders perspective on how environmental policy has been developed in Ontario.

Prerequisite: (ENV221H1, ENV222H1) and enrolment in a School program, or permission of Academic Associate Director

Exclusion: ENV423H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **JGE331H1 Resource and Environmental Theory (formerly GGR331H1) [24L]**

Introduction to and critical evaluation of major ideas and conceptual traditions underpinning environmental and natural resource politics and regulation. Topics include: parks and protected areas, market-based environmental regulation, property rights and conservation, Malthusianism, and biodiversity conservation. Emphasis is placed on critical reading of primary texts.

Prerequisite: GGR100H1/JEG100H1/GGR107H1/ENV221H1/ENV222H1/GGR222H1/GGR223H1

Exclusion: GGR331H1

Recommended Preparation: 8.0 FCE's

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ENV333H1 Ecological Worldviews [24L]**

Approaches to environmental concerns are often marked by assumptions that reflect distinct worldviews positing particular understandings of the role of the human with respect to nature. This course explores sundry economic, political, scientific, religious, and moral worldviews pertaining to the environment, including environmental ethics, Gaia, ecofeminism, scientific cosmology, and aboriginal perspectives.

Prerequisite: (ENV221H1,ENV222H1)

Exclusion: INI333H1 (2005-06 academic year and before)

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **ENV334H1 Environmental Biology: Applied Ecology [24L/36P]**

Applied issues in aquatic and terrestrial ecosystems. Topics include: ecology of agro-ecosystems and other human-managed ecosystems, bio-indicators of anthropogenic impacts, ecosystem restoration, and adaptive management. Field trips and laboratory exercises. A fee of approximately \$15 may be charged for field trip transportation. Group projects address local management/restoration issues. (Lab Materials Fee: \$25)

Prerequisite: ENV234H1 and completion of 9 FCEs

Exclusion: ENV234Y1

Recommended Preparation: a course in statistics (EEB225H1 recommended)

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **ENV335H1 Environmental Design [24L]**

Introduction to understanding the complexity of relationships among people, built forms, and natural systems; systematic review of examples of environmental design at various scales.

Prerequisite: (ENV221H1,ENV222H1)

Exclusion: INI335H1 (2005-06 academic year and before)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ENV336H1 Ecology in Human-Dominated Environments**

A two week course offered at a Southern Ontario field station during late summer. Introduction to impacts of humans on semi-natural and human-dominated environments of southern Ontario and over-view of the most commonly used assessment tools for states of ecosystems. These environments play important roles in terms of ecosystem services.

Prerequisite: first year biology and permission of the instructor

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **JEE337H1 Human Interactions with the Environment [24L/12P]**

The impact of 7 billion people on the planet is enormous and challenges future generations. What are these impacts today and in future? What solutions and tools can avert societal collapse? Using an integrated and interdisciplinary systems approach, we explore problems and solutions to the earth's limits to growth.

Prerequisite: (two of ENV233H1, ENV234H1, ENV237H1/ENV238H1) or (GGR201H1 + GGR203H1) or (ENV233H1 + ESS261H1) or (CHM210H1 + CHM217H1) or (ENV221H1/ENV222H1/ENV234H1 + BIO220H1 + BIO230H1/BIO255H1) or permission of Academic Associate Director

Exclusion: JGE236H1

Recommended Preparation: Related high school science

Distribution Requirement Status: Science

Breadth Requirement: None

## **ENV341H1 Environment and Human Health [24L]**

Examination of the linkages between human health and environment.

Addresses basic principles and scientific knowledge relating to health and the environment and uses case studies to examine current environmental health issues from a health sciences perspective.

Prerequisite: (ENV221H1,ENV222H1) and enrolment in a School of the Environment program; or BIO230H1/(BIO240H1,

BIO241H1)/BIO250Y1/BIO255Y1 and enrolment in the HMB

Specialist in Health and Disease/HMB Specialist in Global Health; or permission of the Academic Associate Director

Exclusion: INI341H1 (2005-06 academic year and before)

Distribution Requirement Status: Social Science or Science

Breadth Requirement: Living Things and Their Environment (4)

## **ENV346H1 Terrestrial Energy Systems [36L/24T]**

Various earth systems for energy transformation, storage and transport are explored. Geological, hydrological, biological, cosmological and oceanographic energy systems are considered in the context of the Earth as a dynamic system, including the variation of solar energy received by the planet and the redistribution of this energy through various radiative, latent and sensible heat transfer mechanisms. It considers the energy redistribution role of large-scale atmospheric systems, of warm and cold ocean currents, the role of the polar regions, and the functioning of various hydrological systems. The contribution and influence of tectonic systems on the surface systems is briefly introduced, as well the important role of energy storage processes in physical and biological systems, including the accumulation of fossil fuel reserves.

Prerequisite: MAT135Y1/MAT137Y1/JMB170Y1;BIO120H1/BIO150Y1/CHM136H1/CHM138H1/CHM1135H1/CHM139H1/CHM151Y1/PHY131H1/PHY132H1/PHY151H1/PHY152H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **ENV347H1 The Power of Economic Ideas (formerly ENV447H1) [24L]**

This course examines the power of economic ideas in effecting environmental change. Topics include the relation of ecological economics to mainstream economics, as well as the role of financial incentives to move the environmental agenda forward.

Prerequisite: (ENV221H1, ENV222H1)

Exclusion: ENV447H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ENV350H1 Energy Policy and Environment [24L]**

The course addresses: (1) physical, technological and economic aspects of energy and electricity systems and their associated environmental impacts; (2) current international, Canadian and Ontario energy policy; (3) technological, economic and political factors influencing policy which could significantly reduce environmental impacts of energy use.

Prerequisite: (ENV221H1,ENV222H1) or permission of Academic Associate Director

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ENV381H1 Special Topics in the Environment [24L/12T]**

Special topics course designed for students in School of the Environment programs. Content in any given year depends on instructor. See School of the Environment website for more details.

Prerequisite: Students must have completed a minimum of 9.0 FCEs to register for the course.

Exclusion: BIG102Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

# Environment (School of the)

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## **ENV382H1 Special Topics in the Environment [24L/12T]**

Special topics course designed for students in School of the Environment programs. Content in any given year depends on instructor. See School of the Environment website for more details.

Prerequisite: Students must have completed a minimum of 9.0 FCEs to register for the course.

Exclusion: BIG101Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ENV395Y1 Special Topics Field Course [48S]**

This course examines fundamental concepts in ecology, evolution, biodiversity, geology and conservation biology through lectures and fieldwork in highland, tropical and island ecosystems in Ecuador. The complex relations between these environments and the people who depend on them will also be examined through analysis of the social, cultural, and economic transformations that have taken place in recent years. Suitable for all School of the Environment programs.

Recommended Preparation: ENV200H1 or equivalent; OR BIO120H1 or equivalent

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3) + Living Things and Their Environment (4)

## **ENV396Y1 Special Topics Field Course - Australia [48S]**

This course examines Australia's environmental, wildlife and conservation issues from an interdisciplinary perspective. In consideration of these issues, Australia's unique flora and fauna are examined through lectures and fieldwork in the various climatically varied regions of Australia that are visited throughout the course.

Prerequisite: TBA

Recommended Preparation: ENV200H1 or equivalent; OR BIO120H1 or equivalent

Distribution Requirement Status: Social Science or Science

Breadth Requirement: Society and its Institutions (3) + Living Things and Their Environment (4)

## **ENV421H1 Environmental Research [24S]**

A research course for all students in the School combining report writing, independent and group-based research on an interdisciplinary topic. Not eligible for CR/NCR option.

Prerequisite: (ENV221H1, ENV222H1); completion of 10 FCE or their equivalent, and enrolment in one of the School's core major or collaborative specialist programs; or permission of the Academic Associate Director.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **ENV422H1 Environmental Law [24S]**

An introduction to environmental law for students in Environmental Studies; legal methods available to resolve environmental problems and the scope and limits of those methods; common law and statutory tools as well as environmental assessment legislation; the problem of standing to sue and the limits of litigation.

Prerequisite: (ENV221H1, ENV222H1) and enrolment in a School program, or permission of Academic Associate Director

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ENV430H1 Environment and Health in Vulnerable Populations [24S]**

The seminar introduces students to a wide range of topics and issues as they relate to the environment and health of vulnerable populations. Through readings and discussion, students will explore the potential health effects of exposures in children and other vulnerable populations to a variety of chemical and physical agents in both the indoor and outdoor environments. A number of case studies or topics will be examined to exemplify why certain populations may be especially vulnerable to various environmental hazards. Issues related to equity and justice will also be examined.

Prerequisite: ENV341H1, or permission of the instructor.

Distribution Requirement Status: Social Science or Science

Breadth Requirement: Living Things and Their Environment (4)

## **ENV431H1 Urban Sustainability & Ecological Technology [24L]**

Ecological technology or green infrastructure encompasses those technologies that incorporate ecosystems to replace mechanical or non-living components in a machine or a piece of infrastructure. Complex systems theory and second-law thermodynamics are used as a template to explore concepts of urban sustainability, and the role of ecological technology in this context.

Prerequisite: ENV221H1, ENV222H1) or permission of the Academic Associate Director

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **ENV432H1 Urban Ecology [24L/12S]**

The ecology of urban areas through consideration of the biological and physical environments, in particular how the human-constructed environment alters pre-existing biophysical conditions and interactions. Encompasses a comparative perspective to study the development of these emerging ecosystems of increasing importance given global urbanization. One or two Saturday field trips (a fee of approximately \$15 may be charged for field trip transportation.)

Prerequisite: At least one of

EEB319H1/EEB321H1/EEB365H1/ENV334H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **ENV440H1 Professional Experience Course (formerly ENV440Y1) [10S]**

Regular academic seminars complement off-campus work on an environmental project. The course enables students to gain practical experience of the needs and demands of professional environmental agencies. Students are given a choice of placements in a variety of sectors (such as government, NGOs, industry).

Eligible students who wish to do a work placement in the Summer Session or Fall Term of 2016, must submit an application to the Placement Coordinator electronically by January 19, 2017, to participate in the first round of work placement applications. Some additional applications after the deadline above will be accepted, space in the course permitting. Contact Placement Coordinator, David Powell, at david.powell@utoronto.ca

The application form for the summer and fall of 2017 is available after October 1, 2016 at:

<http://www.environment.utoronto.ca/Upload/undergradsyllabus/440ApplicationForm2017.doc>.

Prerequisite: 10 full courses or their equivalent, including three FCE of environmental courses in the student's environmental program completed before ENV440H1 taken; or permission of Academic Associate Director

Exclusion: ENV440Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ENV450H1 Energy and Environment Solutions [12T/24S]**

This is an interdisciplinary course in which students address current energy problems while incorporating technical, environmental, economic, social, and political concerns.

Prerequisite: ENV346H1, ENV350H1; (GGR347H1, GGR348H1)/(JGE347H1, JGE348H1)/(GGR314H1, GGR333H1)

Distribution Requirement Status: Science

Breadth Requirement: Society and its Institutions (3)

## **ENV451H1 Current Environmental Topics [24S]**

This capstone course for the School's core programs will explore current environmental topics, with the goal of integrating the multi- and interdisciplinary strands of each student's learning to date.

Prerequisite: (ENV221H1, ENV222H1); completion of 10 FCE or their equivalent, and enrolment in one of the School's core major programs; or permission of the Academic Associate Director.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **ENV452H1 Environmental Science Seminar [36S]**

Scientists from within and external to the university share and discuss challenges, findings and opportunities. Specific topics (and speakers) vary from year to year but may draw from rehabilitation techniques, contaminants in our environment, environmental health, impacts on landscapes and communities, biodiversity, water, and modelling of environmental processes.

Prerequisite: ENV316H1/ENV334H1/JEE337H1, completion of 10 FCEs, and enrolment in the Environmental Science Major; or permission of the Academic Associate Director

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **JEH455H1 Current Issues in Environment and Health [16L/8S]**

This course introduces students to complex issues at the interface between environment and health where health is broadly defined. Each year a current and controversial case study is explored from scientific, medical, political and policy perspectives. The course takes students from the molecular to individual to population and societal levels.

Prerequisite: 14 FCE complete, ENV341H1/ HMB302H1/HMB312H1/ HMB314H1/ HMB322H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **ENV481H1 Special Topics in the Environment [24S]**

Special topics course designed for advanced Specialist and Major students in School of the Environment programs.

Prerequisite: (ENV221H1, ENV222H1) and completion of at least 10 FCE and enrolment in a School Environmental program, or permission of Academic Associate Director.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **ENV482H1 Special Topics in the Environment [24S]**

Special topics course designed for advanced Specialist and Major students in School of the Environment programs.

Prerequisite: (ENV221H1, ENV222H1) and completion of at least 10 FCE and enrolment in a School Environmental program, or permission of Academic Associate Director.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **ENV492H1 Independent Studies Project (formerly INI492H1)**

A research project or selected topic in an area of environment not otherwise available in the Faculty, meant to develop skills in independent study of interdisciplinary topics. A written proposal co-signed by the student and supervisor must be submitted for approval by the Academic Associate Director of the School normally one month prior to commencing the course. Not eligible for CR/NCR option.

Prerequisite: (ENV221H1, ENV222H1) and completion of at least 14 FCE, and enrolment in a School of the Environment program

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **ENV493H1 Independent Studies Project (formerly INI493H1)**

A research project or selected topic in an area of environment not otherwise available in the Faculty, meant to develop skills in independent study of interdisciplinary topics. A written proposal co-signed by the student and supervisor must be submitted for approval by the Academic Associate Director of the School normally one month prior to commencing the course. Not eligible for CR/NCR option.

Prerequisite: (ENV221H1, ENV222H1) and completion of at least 14 FCE, and enrolment in a School of the Environment program

Distribution Requirement Status: Social Science

Breadth Requirement: None

## Introduction

Given by the Department of Slavic Languages and Literatures

Estonian is spoken by approximately one million people in present-day Estonia and some 72,000 in other parts of the world, including 18,000 in Canada. Closely related to Finnish and more distantly to Hungarian, Estonian is one of the few Finno-Ugric languages to exist surrounded by speakers of Indo-European languages.

An ancient people, the Estonians have preserved their language and culture despite centuries of domination by other nations. Not only is their heritage enormously rich in folk epics and songs, but Estonians enjoy a vigorous and diversified literary tradition which continues in Estonia proper and in their adoptive countries.

Estonian studies at the University of Toronto are concerned with the language, literature, and culture of Estonia. The language courses will be of interest to those wishing to improve their language skills, as well as to students of general linguistics who desire to acquire a knowledge of a non-Indo-European language.

## Estonian Programs

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### Estonian Studies Minor (Arts program)

(4 FCEs or equivalent, including at least one at the 300+ level)

Four FCEs from: EST100H1, EST101H1, EST200H1, EST201H1, EST300Y1, EST400Y1, EST420Y1, FIN220H1

## Estonian Courses

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### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

## Note

The Department reserves the right to assign students to courses appropriate to their level of competence in Estonian.

### EST100H1 Elementary Estonian Language and Culture I (formerly EST100Y1) [48P]

Learn essential Estonian vocabulary, basic grammar and develop elementary conversational competence. Popular songs, poetry, and structured dialogue are among the various tools for achieving these objectives. Students will learn commonly used phrases and expressions used in everyday situations, from greeting people to making purchases in stores, and ordering meals in cafes. The course is designed for students with either no fluency or minimum fluency in Estonian.

Exclusion: EST100Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### EST101H1 Elementary Estonian Language and Culture II (formerly EST100Y1) [48L]

This course expands the student's command of Estonian from the introductory level. The course will consist of themed sessions using language for travel in Estonia, savouring the language of Estonian cuisine, and the lyrics of popular, folk and classical Estonian music. These themed sessions will also enable students to better understand the proper inflections of nouns and tenses of verbs in both dialogue and written exercises. This course is open to students with minimum fluency in Estonian.

Prerequisite: EST100H1 / Permission of instructor

Exclusion: EST100Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### EST200H1 Intermediate Estonian Language and Culture I (formerly EST200Y1) [48P]

This course develops the student's language skills via an exploration of Estonian culture - including its music, literature, film and media. Each of these areas will be examined through readings, writing about one's impressions, and speaking about them to others in the class. The course consists of a combination of both classroom and web-based learning.

The course is open to students with some fluency in Estonian.

Prerequisite: (EST100H1, EST101H1) / Permission of instructor

Exclusion: EST200Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### EST201H1 Intermediate Estonian Language and Culture II (formerly EST200Y1) [48P]

Through an exploration of Estonian culture both in Estonia and the diaspora, students will further develop their skills in speaking, reading and writing in Estonian. Students will learn about the main characteristics of Estonian society –its history, way of life, the Estonian economy and business environment, and Estonian current affairs. Students will discuss recent trends and challenges in the development of Estonian society. The course will combine both classroom and web-based learning. It is open to students with elementary fluency in Estonian, both spoken and written.

Prerequisite: (EST100H1, EST101H1) / Permission of instructor

Exclusion: EST200Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### EST300Y1 Advanced Estonian [72P]

Advanced grammar and stylistics through study of a variety of texts; problems of composition; translation; oral and written practice. (Offered in alternate years)

Prerequisite: EST200Y1 or permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### EST400Y1 Estonian Literature from 1700 [24L/24S]

A survey of the major writers and literary periods in Estonian literature. From Ksu Hans, Lament of Tartu to the National Awakening. Republican, Soviet, expatriate literature, and the New Awakening. Readings in Estonian or English. (Offered in alternate years)

Prerequisite: Permission of instructor

Recommended Preparation: EST300Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**EST420Y1 Independent Study [TBA]**

A year-long reading and research project of significant depth in a major topic in Estonian language, literature or culture approved and supervised by an instructor. Not eligible for CR/NCR option.

Prerequisite: EST300Y1/EST400Y1; permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: None

**EST421H1 Independent Study [TBA]**

A semester-long reading and research project of significant depth in a major topic in Estonian language, literature or culture approved and supervised by an instructor. Not eligible for CR/NCR option.

Prerequisite: Permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: None

## Introduction

The Centre for Ethics at the University of Toronto fosters research, teaching and public discussion of the moral dimensions of contemporary individual, social and political life. We are committed to the proposition that universities have a distinctive capacity and responsibility to shed light on questions of the moral life, as well as to educate students for reflective citizenship. Fulfilling this responsibility requires that we promote and engage in dialogue about the theory and practice of ethics across disciplinary, cultural, religious and social divides. For information or to make an appointment for consultation contact the Assistant to the Director, 416-978-6288 or e-mail: ethics@utoronto.ca.

## Ethics (Centre for) Courses

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### **ETH201H1 Contemporary Moral Problems [24L]**

ETH201 is an introductory course in ethics. How should we live? Which course of action is the right one? When and why should we blame ourselves and/or others? We all have and exercise moral opinions; this course is about justifying them. The course begins with some critical reasoning skills, and then explores three major philosophical strategies for justifying moral beliefs. We will then examine some specific issues of moral and political significance, such as freedom of expression, counter-terrorism, and economic inequality, before concluding with some of the psychological mechanisms behind moral attitudes and behaviour.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### **ETH210H1 Rationality and Action [36L]**

An introductory survey of attempts that have been made to develop a formal model of practical rationality, with particular emphasis on the way moral considerations enter into those deliberations. Topics may include: utility-maximization theory, introductory game theory, consequentialism, and deontic reasoning, as well as the limitations of rationality.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### **ETH220H1 Moral Psychology [36L]**

A study of issues that arise at the intersection of psychology and moral philosophy. Why do people act morally? What role do reason and emotion play? Can we know what is right, yet not be motivated to do it? What role can science play in advancing our understanding of morality?

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### **ETH230H1 Morality in Cross-Cultural Perspective [36L]**

Is morality universal, or does it vary by time and place? This course will examine cultural differences in moral codes from both empirical and philosophical perspectives.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### **ETH350H1 Topics in Value Theory [24L]**

Selected topics in value theory, broadly construed (ethics, political theory, law).

The winter 2017 session will be structured around the concept of human dignity. The course will explore philosophical, legal, and historical interpretations of this concept. It will use dignity as a lens through which to examine issues including discrimination, multiculturalism, and human rights.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### **ETH401H1 Seminar in Ethics [16L/16S]**

The seminar will expose advanced undergraduates to cutting edge research in ethics, legal theory, and political theory. It meets bi-weekly over the entire academic year. In the fall term, participants will attend research presentations by visiting scholars at the Centre for Ethics (topics will include bioethics, indigenous rights, equality and education, free speech, and workplace democracy). Students will also meet individually with the instructor (who will be the Centre's Director) to plan an independent research project that is related to the theme of the course. In the winter term, students will present their research and discuss it with the other students in the seminar. (Note that this is an "H1Y" course -- a half-credit course taught throughout both Fall and Winter terms.)

Prerequisite: One of PHL365H1, PHL375H1, PHL271H1, POL200Y1 or an equivalent, POL330Y1 or an equivalent. Preference for enrolment will be given to students of the Department of Philosophy, the Department of Political Science, and Trinity College's program in Ethics, Society, and Law.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)



## Introduction

The European Studies Program is designed to develop an interdisciplinary expertise on modern Europe, combining rigorous language training with in-depth knowledge of Europe's history, politics, and culture. For students who desire the linguistic competence, the cultural comprehension, and the specialized knowledge necessary to operate effectively in the "new" Europe, the major program provides undergraduate students with the opportunity to focus on Europe through a wide variety of courses and disciplines with a focus on economics, history, language and politics. A major in European Studies offers preparation either for further specialized or professional study at the graduate level or for work either in Europe itself or within a Canadian-based organization/business dealing with Europe.

Language competence is at the centre of the European Studies Program. Students majoring in European Studies are expected to acquire, in the course of their Program, a working fluency in one or more of the following designated languages: Croatian, Czech, Estonian, Finnish, French, German, Hungarian, Italian, Macedonian, Modern Greek, Polish, Portuguese, Russian, Serbian, Slovak, Spanish, or Ukrainian. European Studies majors may want to consider working toward a language citation. To ensure that graduates in European Studies have the historical understanding and specialized knowledge, as well as linguistic competence, necessary to comprehend contemporary Europe, a balanced syllabus is presented: core courses on the political evolution of Europe and on the economics and politics of European integration are complemented by choices from courses offered by the twelve academic departments participating in the Program. Students who choose to minor in European Studies will acquire in-depth knowledge of modern Europe.

## European Studies Programs

This is a limited enrolment program open only to those who earn a mark of at least 65% in one of the required first or second year language courses (for the major) or in a first-year history or political science course (for the minor) and who also successfully complete at least 4 full courses in first year. Visit the European Studies Program web site for updated information about requirements, course offerings, and events: [www.utoronto.ca/esp](http://www.utoronto.ca/esp).

### European Studies Major (Arts program)

#### Major Requirements

This is a limited enrolment program open only to those who earn a mark of at least 65% in one of the required first-year language courses and who also successfully complete at least 4 full courses in first year. Students who are exempted from a first-year language course (i.e. those with some prior language skills) should begin studies at the second-year level and must complete a three-year sequence of language study.

Visit the European Studies Program web site for updated information about requirements, course offerings, and events: [www.sites.utoronto.ca/esp](http://www.sites.utoronto.ca/esp) or consult Prof. Robert Austin, Undergraduate Coordinator, Room 128N, Munk School of Global Affairs (416-946-8942) for general program requirements.

European Studies Majors must complete 7.0 FCEs, including at least two 300+-level FCEs, 0.5 of which must be at the 400-level. The mandatory EUR498H –Special Topics in European Studies - fulfils the 400-level requirement. The distribution of the 7.0 FCEs is as follows:

\* Three FCEs in language (a three-year progressive sequence of courses

in a single language). Variations on this can be discussed with the Program Coordinator.

\* Two FCEs in the required core courses offered by the Departments of History (EUR200Y) and Political Science (POL207Y or POL359Y).

\* The .5 FCE EUR498H - Special Topics in European Studies.

\* The remaining 1.5 FCE in elective courses chosen from the list of eligible electives below.

Students are expected to consult with the Program Coordinator for assistance with and advice on course selection.

NOTE: Some of the courses listed below may have prerequisites; some may be offered in alternate years. The list reflects information available at the time of printing. Consult the Program Advisor for up-to-date information.

#### First Year:

One of the following: EST100Y1; EST100H1 and EST101H1, FIN100Y1; FSL100H1 and FSL102H1/FSL121Y1; GER100Y1; HUN100Y1; ITA100Y1/ITA101Y1; MGR100H1F; MGR101H1S; PRT100Y1/PRT110Y1; SLA100Y1, SLA100H and SLA101H, SLA105Y1, SLA106Y1, SLA107Y1, SLA108Y1, SLA109Y1, SPA100Y1 or an

#### Second Year:

1. EUR 200Y1  
2. One full course equivalent from: EST200Y1; FIN200Y1; FSL221Y1; GER200Y1/GER300Y1/GER370H1; HUN200Y1; ITA 250Y1/ITA251Y1/ITA252Y1; MGR245Y1; PRT220Y1; SLA204Y1, SLA206Y1, SLA207Y1, SLA208Y1, SLA209Y1, SLA220Y1, SLA237Y1; SPA 220Y1 or an equivalent combination of half credits.

#### Third Year:

1. POL207Y1 or POL359Y1 or POL324Y1  
2. One full course equivalent from: EST300Y1; FIN300H1 plus half course in literature; FSL321Y1, FSL421Y1, FSL442H1 and FSL443H1; GER300Y1/GER370H1/GER372H1, GER400H1; HUN310Y1; ITA343H1 and ITA344H1, ITA354H1 and ITA355H1, ITA364H1 and ITA365H1; MGR300H1 and MGR301H; PRT320Y1/PRT420Y1; SLA305H1, SLA306H1 and SLA336H1, SLA307Y1, SLA308Y1, SLA316Y1, SLA320Y1, SLA321Y1, SLA351H1, SLA402H1 and SLA403H1; SPA320Y1/SPA323H1/SPA325H1/SPA420H1 and SPA421H1

#### Fourth Year:

1. EUR498H1  
2. Remaining courses to be selected from the list of eligible electives below. The most up-to-date list of electives is on the program website.

Current Eligible Electives (for approval on courses outside the list or for transfer credits, please consult the Program Coordinator):

ANT446H1; ECO230Y1, ECO301Y1, ECO303Y1, ECO342Y1; ENG329H1, ENG340H1, ENG341H1; EST400Y1; FCS195H1, FCS297H1, FCS310Y1, FCS331H1, FCS395H1; FIN230H1, FIN235H1, FIN240H1, FIN250H1, FIN260H1, FIN340H1, FIN350H1, FIN415H1; FRE320H1, FRE324H1, FRE326H1; GGR339H1, GGR344H1, GGR361H1; GER150H1, GER204H1, GER205H1, GER232H1, GER150H1, GER261H1, GER321H1, GER322H1, GER323H1, GER326H1, GER336H1, GER350H1, GER362H1, GER410H1, GER421H1, GER425H1; HIS208Y1, HIS245Y1, HIS251Y1, HIS302H1, HIS309H1, HIS317H1, HIS325H1, HIS330H1, HIS331H1, HIS334Y1, HIS335H1, HIS337Y1, HIS338H1, HIS339Y1, HIS344Y1, HIS349H1, HIS351Y1, HIS353Y1, HIS354Y1, HIS355H1, HIS361H1, HIS371H1, HIS388H1, HIS389H1 (Hungarian History), HIS389Y0 (City in Central

# European Studies

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Europe), HIS401H1, HIS407H1, HIS414H1, HIS415H1, HIS416H1, HIS418H1, HIS421Y1, HIS422H1, HIS431H1, HIS433H1, HIS439H1, HIS442H1, HIS445H1, HIS449Y1, HIS451H1, HIS453H1, HIS455H1, HIS458Y1, HIS459H1, HIS460H1, HIS461H1, HIS477H1, HIS488H1, HIS490H1; HUN335H1, HUN345H1, HUN355H1, HUN356H1; INI381H1, INI382H1; ITA210Y1, ITA240Y1, ITA245Y1, ITA301H1, ITA310H1, ITA326H1, ITA340H1, ITA341H1, ITA346H1, ITA347H1, ITA381H1, ITA405H1, ITA410H1, ITA415H1, ITA421H1, ITA441H1, ITA455H1, ITA491H1, ITA492H1; JHP304Y1, JHP435Y1, JHP454Y1; JPD439Y1; JPP343Y1; PHL210Y1, PHL217H1, PHL265H1, PHL310H1, PHL311H1, PHL312H1, PHL315H1, PHL316H1, PHL317H1, PHL320H1, PHL321H1, PHL322H1, PHL326H1, PHL338H1, PHL365H1, PHL388H1; POL200Y1, POL207Y1, POL317Y1, POL320Y1, POL321H1, POL324Y1, POL332H1, POL344H1, POL354H1, POL359Y1, POL368Y0, POL372H1, POL405Y1, POL414H1, POL415H1, POL422Y1, POL437H1, POL440Y1, POL452Y1, POL453Y1; PRT250H1; SLA202H1, SLA205H1, SLA215H1, SLA216Y1, SLA217H1, SLA218Y1, SLA222H1, SLA225H1, SLA226H1, SLA228H1, SLA234H1, SLA241H1, SLA242H1, SLA244H1, SLA247H1, SLA248H1, SLA252H1, SLA302H1, SLA303H1, SLA315H1, SLA318H1, SLA322H1, SLA327H1, SLA328H1, SLA331H1, SLA337H1, SLA339H1, SLA340H1, SLA343H1, SLA344H1, SLA346H1, SLA356H1, SLA380H1, SLA404H1, SLA405Y1, SLA406H1, SLA407H1, SLA414H1, SLA417H1, SLA424H1, SLA425Y1, SLA434Y1, SLA436H1, SLA441H1, SLA442H1, SLA449H1, SLA453H1, SLA458H1, SLA460H1, SLA463H1, SLA465H1, SLA475H1, SLA476H1, SLA485H1, SOC341Y1, SOC350Y1; SPA325H1, SPA341H1, SPA345H1, SPA435H1.

## European Union Studies Minor (Arts program)

This is a limited enrolment program open only to those who earn a mark of at least 70% in a first-year history or political science course and who also successfully complete at least 4 full courses in first year. Visit the European Studies Program web site for updated information about requirements, course offerings, and events: [www.utoronto.ca/esp](http://www.utoronto.ca/esp).

(4 full courses or their equivalent, including at least one 300/400 full-course equivalent)

1. EUR200Y1
2. POL207Y1/POL324Y1/POL359Y1
3. Two full credits or their equivalent in eligible elective courses (see European Studies Major above)

## European Studies Courses

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### EUR200Y1 Europe: Nation-State to Supranational Union [48L/24T]

An analysis of the development of European political regimes from 1789 until the 2004 and 2007 enlargements of the European Union to include the countries of the former Soviet bloc. This course identifies the decisive forces and factors affecting the operation of constitutions and institutions within the countries which came to form the European Union: nationalism, multi-nationalism, internationalism and supranationalism. Distribution Requirement Status: Humanities or Social Science Breadth Requirement: Society and its Institutions (3)

### EUR495H1 Independent Studies [2P]

An in-depth of an issue of relevance to the European Union. Content depends on the instructor. Not eligible for CR/NCR option. Prerequisite: Open only to students enrolled in the European Studies Major Program. Third and Fourth year students only. Recommended Preparation: Varies year to year.

### EUR498H1 Special Topics - Europe [24L]

The course looks at issues of central significance to Europe and the European Union in that academic year. These issues might include immigration, integration, migration, fiscal/monetary union, common foreign and security policies, peacekeeping/peacebuilding and EU enlargement/deepening.

Prerequisite: EUR200Y1 + POL207Y1/POL324Y1/POL359Y1 and completion of 12.0 FCEs

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### JRA401H1 Topics in Comparative Politics V [24S]

Selected issues in comparative politics. Content and instructor varies from year to year. (Given by the Department of Political Science and the Centre for European, Russian and Eurasian Studies)

Prerequisite: 2.0 POL credits in comparative politics. See the

Department's website

<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Exclusion: POL 438H (taken in 2013-14 and 2014-15)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### JRA401Y1 Topics in Comparative Politics V [48S]

Selected issues in comparative politics. Content and instructor varies from year to year. (Given by the Department of Political Science and the Centre for European, Russian and Eurasian Studies)

Prerequisite: 2.0 POL credits in comparative politics. See the

Department's website

<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### JRA402H1 Topics in Comparative Politics VI [24S]

Selected issues in comparative politics. Content and instructor varies from year to year. (Given by the Department of Political Science and the Centre for European, Russian and Eurasian Studies)

Prerequisite: 2.0 POL credits in comparative politics. See the

Department's website

<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Exclusion: POL 410H (taken in 2013-14 and 2014-15)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### JRA437H1 Government, Law and Politics in Russia (formerly POL 437H1) [24S]

Law in the governance of Russia, in the Soviet and post Soviet periods, including constitutional development, courts, business disputes, crime and criminal justice, corruption, cultural obstacles to legal order, and legal transition in comparative perspective. (Given by the Department of Political Science and the Centre for European, Russian, and Eurasian Studies)

Prerequisite: HIS351Y1/POL354H1/POL354Y1/a course in Russia or Soviet politics

Exclusion: POL422Y1/POL437H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**MGR100H1 Introductory Modern Greek [24L]**

This course is designed for absolute beginners in the Modern Greek language. The overall goal is to facilitate understanding and use of familiar everyday expressions and phrases aimed at the satisfaction of basic communicative needs. Students will familiarize themselves with the Modern Greek alphabet, pronunciation and grammatical rules. No previous knowledge of Modern Greek required.

Exclusion: Students who have completed High School in Greece or a Grade 12 Modern Greek language credit.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**MGR101H1 Elementary Modern Greek [24L]**

This course builds on MGR100H1 and aims to develop competence in the Modern Greek language at the basic level. Students will attain elementary proficiency in the spoken and written language by familiarizing themselves with a variety of grammatical and syntax structures while continuing to enrich their vocabulary. Emphasis will be placed on reading and conversational skills while students are expected to write short descriptive paragraphs.

Prerequisite: MGR100H1

Exclusion: Students who have completed High School in Greece or a Grade 12 Modern Greek language credit.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**MGR245Y1 Intermediate Modern Greek [78S]**

A course designed for students with some command of the language: vocabulary building; study of grammar and syntax; compositional skills leading to the study of a prose literary work.

Prerequisite: First year Greek or equivalent; permission of instructor that includes language placement test evaluation

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**MGR300H1 Advanced Modern Greek I [24L]**

This course builds on the Intermediate level background knowledge to prepare students as independent users of the Modern Greek language. In order to attain conversational fluency and communicate effectively and accurately with native Greek language speakers, students will practice on reading and interpreting magazine and newspaper articles on various topics as well as applying more complex grammatical and syntax rules to write essays on assigned subjects.

Prerequisite: Completion of MGR245Y1 or permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**MGR301H1 Advanced Modern Greek II [24L]**

The aim of this course is to facilitate fluency both in spoken and written Modern Greek. Proficiency at this level will be attained through familiarization with various texts and genres including a Modern Greek literature anthology and selected academic articles. Emphasis will be placed on writing which will lead to the production of a short research paper in Modern Greek.

Prerequisite: Completion of MGR300H1 or permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## Faculty

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### Professor Emeritus

B. Vahamaki, MA, Ph Lic, Ph D

### Assistant Professor

Anu Muhonen, MA, Ph D

## Introduction

A nation of five million people, Finland is situated between West and East, between Sweden and Russia, sharing for thousands of years religious, historical, political, social, and cultural influences and experiences with its neighbours and the different worlds they represent.

Finnish, a Finno-Ugric language related to Estonian and Hungarian, is spoken by 94% of Finland's population, by 300,000 in Sweden, and by large numbers in Canada, the United States, and other countries. The other constitutionally recognized group, the Finland-Swedes, comprises over six percent of the population. The Finns have a strong commitment to their languages and to their culture. Their national epic, the Kalevala, compiled in the 19th century from old Finnish epic narrative poems and incantations, soon became a national symbol and continues to this day to inspire the growth and development of the country's creative force. Today the entire world responds to Finnish achievements in music, literature, the arts and architecture, and celebrates the work of such outstanding figures as Jean Sibelius, Aki Kaurismäki, Alvar Aalto, and Eliel and Eero Saarinen.

Finnish studies at the University of Toronto are presently engaged in teaching the Finnish language - a three-year sequence - and in offering other courses on the literature and culture of Finland.

## Finnish Programs

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### Finnish Studies Major (Arts program)

(6 FCEs or their equivalent, with at least 2 FCEs at the 300+ level, including 0.5 FCE at the 400-level)

1. FIN100H1, FIN110H1
2. FIN200H1, FIN210H1
3. FIN300H1
4. 4 FCEs from the following: FIN230H1, FIN235H1, FIN240H1, FIN250H1, FIN260H1, FIN305H1, FIN310H1, FIN320H1, FIN330H1, FIN 340H1, FIN350H1, FIN360H1, FIN400H1, FIN410H1, FIN415H1, FIN420Y1, FIN430H1
5. 0.5 FCE in Breadth Requirement Category 5: The Physical and Mathematical Universes, or another half course approved by the program director, to fulfill the Quantitative Reasoning competency required in the program.

### Finnish Studies Minor (Arts program)

(4 FCEs or equivalent, including at least one at the 300+ level)

Four FCEs from FIN-designated courses

## Finnish Courses

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### FIN100H1 Elementary Finnish I [48P]

The Department reserves the right to assign students to courses appropriate to their level of competence in Finnish. An introductory language course for students with no knowledge of Finnish. The acquisition of a basic vocabulary and of an understanding of elementary structural features through practice in comprehension, speaking, reading and writing.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### FIN110H1 Elementary Finnish II [48P]

An introductory language course for students with no knowledge of Finnish. The acquisition of a basic vocabulary and of an understanding of elementary structural features through practice in comprehension, speaking, reading and writing.

Prerequisite: FIN100H1 or permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### FIN200H1 Intermediate Finnish I [48P]

The four language skills (speaking, listening, reading and writing) honed by discussion of Finnish literary texts as well as by compositions in Finnish about these texts, by a series of conversation exercises, and by analysis of morphology, syntax and word formation. Translation is used to aid in language learning.

Prerequisite: FIN110H1 or permission of instructor

Exclusion: FIN200Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### FIN210H1 Intermediate Finnish II [48P]

The four language skills (speaking, listening, reading and writing) honed by discussion of Finnish literary texts as well as by compositions in Finnish about these texts, by a series of conversation exercises, and by analysis of morphology, syntax and word formation. Translation is used to aid in language learning.

Prerequisite: FIN200H1 or permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### FIN220H1 Introduction to Finnish Linguistics [12L/12S]

A survey of the linguistic structures of the Finno-Ugric languages including Estonian, Finnish and Hungarian with special emphasis on Finnish. Focus is to gain insights into workings of non-Indo-European languages. No prior knowledge of Finno-Ugric languages or linguistics required.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### FIN230H1 Finnish Culture 1800 to Present [12L/12P]

FIN230H1 offers an introduction to Finnish society, history and culture 1800 to present. The course examines the rise of Finnish nationalism in the 1800s, its main manifestations, particularly the developments of its cultural, educational and social institutions, its economic structures, its demographics, as well as the nations bilingual status.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**FIN235H1 Finnish Literature 1800 to Present [12L/12P]**

FIN235H1 surveys the major works in Finnish literature 1800 to present by examining its role in the implementation of the agenda of Finnish nationalism in the 19th and the 20th century. The major genres and periods in Finnish literature are studied.

Recommended Preparation: FIN230H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**FIN240H1 Masterpieces of Scandinavian Literature [12L/12S]**

Introduction to the greatest authors of Scandinavian literature and their greatest works, particularly August Strinberg, Henrik Ibsen, H.C. Anderssen, Knut Hamsun, Selma Lagerlof, Pr Lagerkvist, Aleksis Kivi, Sigrid Undset and Halldor Laxness, etc. These are situated in their Scandinavian context and in world literature. (Offered every two or three years)

Recommended Preparation: Some background in literature

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**FIN250H1 Finnish Cinema [12P/24S]**

Development of Finnish cinema from its parochial beginnings to its international recognition. The great pastoral tradition; the war memories (Laine, Kassila, Parikka); socio-political engagement of the 60s (Donner, Jarva), the paucity of the 70s (Mollberg); the universal outsider themes of the 80s (Aki and Mika Kaurismaki). Readings and subtitles in English. (Offered in alternate years)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**FIN260H1 Scandinavian Cinema [12P/24S]**

Major developments of cinema in Scandinavia in the 20th and 21st centuries focusing on Denmark, Sweden, and Finland. In addition to "old classics," most important recent films are screened and discussed. Film directors include Ingmar Bergman, Carl Th. Dreyer, Aki and Mika Kaurismaki, and many others. (Offered in alternate years)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**FIN300H1 Advanced Finnish I [12P/24S]**

Advanced Finnish provides a continuation of FIN210H1 Intermediate Finnish.

Prerequisite: FIN210H1 or permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**FIN305H1 Finnish Morphology and Syntax [12L/12S]**

Finnish Morphology and Syntax is designed present the Finnish morphological system and the principles of Finnish syntax to students interested in general linguistics, morphology, syntax, or Finnish linguistics. The Finnish case system, the verb conjugation system and phenomena such as consonant gradation, vowel harmony and clitics will be explored.

Prerequisite: Introduction to linguistics or FIN110H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**FIN310H1 Finnish Folklore: The Kalevala [12L/12S]**

An examination of the Finnish national epic, the Kalevala: its relationship to the tradition of folk poetry; its quality as an epic poem; the mythological, religious, and cultural dimensions of its world view; its role in Finland's nation building in the 19th and 20th centuries. Readings in English. (Offered at least every alternate year)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**FIN320H1 The Finnish Canadian Immigrant Experience [12L/12S]**

Major issues and dimensions of the culture and experience of the Finnish immigrants to Canada, including Finnish Canadian literature, theatre, and press. Conceptual and ideological contributions to working class culture, women's lives, religious and social attitudes and values. Readings in English. (Offered every three or four years)

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**FIN330H1 Regional Origins of Finnish Culture [12L/12S]**

The course traces the construction of a unified Finnish culture over the centuries from subcultures and values which ultimately have their definitions in the regional diversity of the area now called Finland. It focuses on the main divisions into western and eastern Finland, but also explores the Swedish and the Sami (Lappish) heritage in the context of old cultural regions. The sources used are cultural history texts as well as Finnish literature.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**FIN340H1 Advanced Finnish II [12P/24S]**

Advanced Finnish II provides a continuation of FIN300H1 Advanced Finnish I.

Prerequisite: FIN300H1 or permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**FIN350H1 The Finnish Short Story [24S]**

Historical, structural, and thematic study of the short fiction of Finland from the Romanticism of the 19th century to contemporary post-structuralism and post-modernism. Works of Runeberg, Topelius, Kivi, Canth, Aho, Jotuni, Lehtonen, Schildt, Sillanpaa, Haanpaa, Meri, Hyry, Salama, Mukka, Liksom, and others. Readings in English. (Offered in alternate years)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**FIN360H1 Bilingualism in Finland [12L/12S]**

Bilingualism in Finland as a case study in the sociology of language. A critical survey of the historical development of language politics in Finland as a bilingual society from 1800 until present.

Exclusion: FIN340H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**FIN400H1 Translation: Finnish-English [24S]**

Written translation from Finnish to English. Students will apply their textual analysis skills in translating texts drawn from diverse sources and genres, while exploring the general theory of translation. Translation exercises will serve as the basis for training in comparative Finnish-English stylistics.

Prerequisite: FIN300H1 or permission of instructor

Recommended Preparation: FIN305H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **FIN410H1 Finnish Literature 1700-1900 (in Finnish) [24S]**

A chronological study of the development of Finnish literature, emphasizing outstanding writers, significant movements and trends, the emergence and transformations of the major genres and their relationship to Finnish folklore and to the national awakening. All readings in Finnish. (Offered as needed)

Prerequisite: Permission of instructor

Recommended Preparation: FIN300Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FIN415H1 Finnish Literature in the 20th Century [24S]**

This course examines the main literary works and genres of 20th Century Finland, especially Jotuni, Sillanpaa, Haanpaa, Meri, Manner, Linna, Tuuri and a sample of contemporary writers. All readings in Finnish.

Prerequisite: Permission of instructor

Recommended Preparation: FIN410H1

Breadth Requirement: Creative and Cultural Representations (1)

## **FIN420Y1 Independent Study [TBA]**

A year-long reading and research project of significant depth in a major area in Finnish language, literature or culture approved and supervised by an instructor. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **FIN421H1 Independent Study [TBA]**

A semester-long reading and research project of significant depth in a major area in Finnish language, literature or culture approved and supervised by an instructor. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **FIN430Y1 Independent Study [TBA]**

This year-long course offers students, primarily Finnish Studies majors and minors, an opportunity to design, together with the instructor, an individualized course of study in Finnish literature or language.

Registration requires the permission of the instructor and the Department of Slavic Languages and Literatures. Not eligible for CR/NCR option.

Prerequisite: Permission of instructor

Recommended Preparation: At least two years of university studies

Distribution Requirement Status: Humanities

Breadth Requirement: None

## Faculty

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### Professors Emeriti

P.L. Aird, BScAgr, MS, PhD  
J.J. Balatinecz, BScF, MF, PhD  
T.J. Blake, BSc, MF, PhD  
R.B. Bryan, BA, PhD  
R. Carrow, BScF, MSc, PhD  
P.A. Cooper, BScF, MSc, PhD  
M. Hubbes, DiplngAgr, DrAgr  
A. Kenney, BScF, MSc, PhD  
J. C. Nautiyal, BSc, MF, PhD  
D.N. Roy, BSc, DPhil, FRSC  
V.R. Timmer, BScF, MScF, PhD

### Professor and Dean of the Faculty

M. Sain, PhD, PEng, FRSC (UK)

### Professors

S. Kant, MA, PhD  
J.R. Malcolm, MSc, PhD  
D.L. Martell, MA Sc, PhD  
S.M. Smith, MSc, PhD  
S.C. Thomas, BA, PhD  
N. Yan, BAsC, PhD

### Associate Professors

T.J. Carleton, MSc, PhD  
J. Caspersen, BA, PhD

### Assistant Professor

S. Krigstin, MScF, PhD

### Adjunct and Status Only

J.D. Allison, PhD  
D. Puric-Mladenovic, PhD  
B.M. Wotton, PhD

Forests have traditionally been managed primarily as sources of timber and revenue. However, there is increasing recognition of their immense cultural, social and environmental role, focused particularly by recent United Nations conferences in Rio de Janeiro and Johannesburg. Increasingly the focus of forest management has shifted to include biodiversity maintenance, ecological sustainability, and the protection of wildlife and their habitats. Canadians, as custodians of 10% of the remaining global forest cover, and 25% of the undisturbed frontier forest, have both the option and the responsibility to provide global leadership in forest conservation and sustainable forest management. Forest conservation programs prepare students for this critically important role by combining traditional ecological (biology, zoology) and physical (soil science, hydrology) sciences with social sciences. Forest conservationists increasingly focus on complex, emerging social and community issues, such as aboriginal rights and land tenure, protection of wilderness parklands, preservation of urban green space, and the use of forests for carbon sequestration.

Responsible stewardship of our forests and the changing focus from industrial timber production to forest conservation has greatly expanded the range of expertise necessary. Graduates can pursue a wide range of new career opportunities developing in private, government and non-government environmental organizations where forest conservationists

increasingly work as members of multidisciplinary teams of environmental and resource managers. Graduates from forest conservation programs can also pursue graduate programs in a wide range of disciplines, including forest conservation, forestry, environmental sciences and international development.

Students may take a specialist 4-year degree leading to an H.B.A. in Forest Conservation or an H.B.Sc. in Forest Conservation Science. The arts program focuses on communal forest management, development of forest policies, forest economics and forest product trade, with electives in social sciences, while the science program concentrates on forest biology and ecology with electives in life and physical sciences.

The specialist programs provide a grounding in forest conservation with emphasis on breadth as well as research depth, and can particularly meet the needs of individuals who are considering graduate level education in forestry (M.F.C., M.Sc.F. or Ph.D.).

The major programs in Forest Conservation are intended to build on a students interest in forestry and related issues. Students should consider combining these programs with a major in another related discipline such as environment, geography, biology, chemistry, urban studies or architecture.

A minor in Forest Conservation Science (Science program) and a minor in Forest Conservation (Arts program) are also available. Students should consider combining these programs with a minor in other related disciplines.

### Forest Biomaterials Science

Canada is not only a key player in global forest conservation but is also more economically dependant on forests than any other major developed country. Wise and innovative use of forest biomaterials is a mandatory component of global forest conservation. It is recognized that right and proper use of forest-based materials can help resolve global environmental problems as they are renewable, have low life cycle costs and contribute to carbon sequestration. Traditionally, forest materials have been used in wood construction and paper products. Today, new and exciting technologies are transforming the forest resource into biodegradable polymers, specialty chemicals and carbon neutral fuels. Students in this program will acquire a thorough understanding of forest sustainability; material science of wood and other forest based materials; bio-conversion technologies related to forest and agricultural materials and optimal use and maintenance of natural fibre based materials. The program is highly interdisciplinary, combining aspects of forestry, biology, chemistry, chemical and mechanical engineering and building sciences.

The major and minor in Forest Biomaterials Science will be of interest to students that recognize the value of conserving the forest through good design, application and utilization of forest based products. Graduates from this program can pursue careers in private industry, research and government organizations where knowledge of new and changing technologies will be required to lead the transformation from petro-chemical based industries to ones established on renewable biomaterials.

Undergraduate Co-ordinator: Professor Sean Thomas, Room 4012 , Earth Sciences Centre (416-978-1044)

Undergraduate Administrator: Ms. A. Veneziano, Room 1017A, Earth Sciences Centre (416-978-5480)

## Forest Conservation Programs

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# Forest Conservation

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## Forest Conservation Science Specialist (Science program)

(12 full courses or their equivalent, including at least 3.5 300-series courses and 2.0 400-series courses; other equivalent and approved courses offered by other Faculties, University of Toronto Mississauga or University of Toronto Scarborough may be eligible for inclusion.)

First Year:

BIO120H1; plus 2.5 first year Science FCEs (GGR100H1, GGR101H1; CHM138H1, CHM139H1 recommended)

Second Year:

1. ENV234H1; FOR200H1, FOR201H1  
2. 1.0 FCE from ECO220Y1, ECO227Y1; GGR270H1, GGR271H1; STA220H1, STA221H1  
3. 1.0 FCE from BIO220H1, BIO251H1, BIO260H1; GGR205H1, GGR206H1, GGR272H1, GGR273H1; PHL273H1; ENV221H1, ENV222H1; ENV234H1, ENV237H1, ENV238H1

Third Year:

1. FOR301H1, FOR305H1; 1.0 FCE from FOR300H1, FOR302H1, FOR303H1, FOR306H1, FOR307H1, FOR310H1; ENV334H1  
2. 0.5 FCE from EEB319H1, EEB321H1, EEB323H1, EEB328H1; CSB340H1  
3. 1.0 FCE from EEB324H1, EEB365H1, EEB386H1, EEB388H1; GGR303H1, GGR305H1, GGR314H1; ENV320H1, ENV322H1, ENV323H1

Fourth Year:

1. FOR400Y1, FOR401H1  
2. 0.5 FCE from FOR403H1, FOR405H1, FOR410H1, FOR413H1, FOR416H1, FOR417H1, FOR418H1, FOR419H1, FOR420H1, FOR423H1; GGR403H1; ENV347H1; JFG470H1, JFG475H1; EEB403H1, EEB406H1, EEB407H1

## Forest Conservation Science Major (Science program)

(8 full courses or their equivalent, including at least 2.0 300-series courses and 1.0 400-series course; other equivalent and approved courses offered by other Faculties, University of Toronto Mississauga or University of Toronto Scarborough may be eligible for inclusion.)

First Year:

BIO120H1; plus 2.5 first year Science FCEs (GGR100H1, GGR101H1; CHM138H1, CHM139H1 recommended)

Second Year:

FOR200H1, FOR201H1; 1.0 FCE from ENV234H1, ENV237H1, ENV238H1; GGR201H1, GGR203H1, GGR205H1, GGR206H1, GGR223H1, GGR272H1, GGR273H1; BIO220H1

Third Year:

FOR305H1; 1.5 FCE from FOR300H1, FOR301H1, FOR302H1, FOR303H1, FOR306H1, FOR307H1, FOR310H1; EEB321H1

Fourth Year:

FOR400Y1

## Forest Conservation Science Minor (Science program)

(4 full courses or their equivalent, including at least 1.0 300-series course and 1.0 400-series course)

First Year: 1.0 FCE from BIO120H1; GGR100H1, GGR101H1; CHM138H1, CHM139H1

Second Year: FOR200H1, FOR201H1

Third Year: 1.0 FCE from FOR300H1, FOR301H1, FOR302H1, FOR303H1, FOR305H1, FOR306H1, FOR307H1, FOR310H1

Fourth Year: FOR400Y1

## Forest Conservation Specialist (Arts program)

(12 full courses or their equivalent, including at least 3.0 300-series courses and 2.5 400-series courses; other equivalent and approved courses offered by other Faculties, University of Toronto Mississauga or University of Toronto Scarborough may be eligible for inclusion.)

First Year:

BIO120H1; plus 1.5 first year Social Science FCEs

Second Year:

1. ENV234H1; FOR200H1, FOR201H1  
2. 1.0 FCE from ECO220Y1, ECO227Y1; GGR270H1; STA220H1, STA221H1, STA255H1  
3. 1.0 FCE from ABS201Y1; ANT204H1; ENV221H1, ENV222H1; GGR223H1; PHL273H1

Third Year:

1. FOR301H1, FOR305H1; At least 1.0 FCE from FOR300H1, FOR302H1, FOR303H1, FOR306H1, FOR307H1, FOR310H1; EEB321H1  
2. At least 1.0 FCE from JGE321H1, JGE331H1; ENV320H1, ENV323H1, ENV347H1; GGR321H1

Fourth Year:

1. FOR400Y1, FOR401H1  
2. 1.0 FCE from ANT450H1; FOR403H1, FOR416H1, FOR417H1, FOR418H1; ENV421H1, ENV422H1, ENV440H1; JFG470H1, JFG475H1; GGR416H1

An additional 1.0 FCE can be taken from any 3rd or 4th year elective listed above.

## Forest Conservation Major (Arts program)

(8 full courses or their equivalent, including at least 1.5 300-series courses and 1.0 400-series course; other equivalent and approved courses offered by other Faculties, University of Toronto Mississauga or University of Toronto Scarborough may be eligible for inclusion.)

First Year:

BIO120H1; plus 1.5 first year Social Science FCEs

Second Year:

1. ENV234H1; FOR200H1, FOR201H1  
2. 1.0 FCE from ABS201Y1; ANT204H1; ECO220Y1, ECO227Y1; GGR270H1; STA221H1; ENV221H1, ENV222H1; PHL273H1; STA220H1, STA255H1

Third Year:

FOR305H1; 1.0 FCE from FOR300H1, FOR301H1, FOR302H1, FOR303H1, FOR306H1, FOR307H1, FOR310H1; EEB321H1

Fourth Year:

FOR400Y1

An additional 1.0 FCE can be taken from any 3rd or 4th year elective listed above or under the Forest Conservation Specialist (Arts Program).



## Forest Conservation Minor (Arts program)

(4 full courses or their equivalent)

First Year: 1.0 FCE from ANT100Y1; ECO100Y1; ENV200H1; GGR100H1, GGR101H1

Higher Years: 3.0 FCEs from FOR200H1, FOR201H1, FOR300H1, FOR301H1, FOR302H1, FOR303H1, FOR305H1, FOR306H1, FOR307H1, FOR310H1, FOR400Y1, FOR401H1

## Forest Biomaterials Science Major (Science program)

The Forest Biomaterials major or minor may be strengthened by an accompanying major or minor(s) in Biology (major, minor), Biochemistry (major), Forest Conservation (major, minor), Chemistry (major, minor), Environmental Chemistry (minor), Materials Chemistry (minor) or Environment & Science (major, minor).

Consult the Program Coordinator, Professor Sally Krigstin, Room 3029; Earth Sciences Centre (416-946-8507)

(8 full courses or their equivalent, including at least 2.0 FCE 300-series courses and 2.0 FCE 400-series courses; other equivalent and approved courses offered by other Faculties may be eligible for inclusion.)

1. BIO120H1; 1.0 FCE from MSE101H1; ECO100Y1; ECO105Y1; CHM138H1, CHM139H1; MAT135H1
2. FOR200H1, STA220H1; 1.0 FCE from CHM220H1; ENV221H1, ENV234H1; MSE219H1; BCH210H1; BCH242Y1; STA221H1; EEB225H1; MGT201H1, RSM100Y1; BIO220H1, BIO251H1
3. FOR300H1, FOR310H1; 1.0 FCE from FOR302H1, FOR305H1; ENV350H1; MSE316H1; BCH370H1; GGR348H1
4. FOR401H1, FOR410H1; 1.0 FCE from FOR403H1, FOR405H1, FOR420H1, FOR423H1; CHE475H1

An additional 0.5 FCE can be taken from any 3rd or 4th year elective listed above.

## Forest Biomaterials Science Minor (Science program)

The Forest Biomaterials major or minor may be strengthened by an accompanying major or minor(s) in Biology (major, minor), Biochemistry (major), Forest Conservation (major, minor), Chemistry (major, minor), Environmental Chemistry (minor), Materials Chemistry (minor) or Environment & Science (major, minor).

Consult the Program Coordinator, Professor Sally Krigstin, Room 3029; Earth Sciences Centre (416-946-8507)

(4 full courses or their equivalent, including at least 1.5 FCE 300-series course and 1.0 FCE 400-series courses)

1. 1.5 FCE from BIO120H1; MSE101H1; ECO105Y1; CHM138H1, CHM139H1, CHM220H1; FOR200H1; ENV234H1; MGT201H1
2. FOR300H1, FOR310H1; 0.5 FCE from ENV350H1; MSE219H1, MSE316H1; FOR305H1, BCH370H1; GGR348H1
3. 1.0 FCE from FOR401H1, FOR405H1, FOR410H1, FOR420H1, FOR423H1

## Forest Conservation Courses

### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### FOR200H1 Conservation of Canada's Forests [24L]

Forest conservation issues in Canada; development of forest management philosophy in Canadian and temperate forest regions; and concepts of sustainability. Techniques for more sustainable forest management: structural retention; forest certification; old growth; value-added and non-traditional forest products.

Recommended Preparation: BIO120H1, GGR100H1, GGR101H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### FOR201H1 Conservation of Tropical and Subtropical Forests [24L]

The world's major tropical and subtropical forest biomes; prospects for conservation and sustainable management; consequences of different forest development strategies; tropical deforestation and selective logging; agroforestry; biodiversity and non-timber forest products; the fuelwood crisis; large carnivore conservation; ecological, economic and social perspectives.

Recommended Preparation: BIO120H1, GGR100H1, GGR101H1

Distribution Requirement Status: Social Science or Science

Breadth Requirement: Living Things and Their Environment (4)

### FOR300H1 Forest Products in Sustainable Forestry [24L/24P]

Traditional and non-traditional forest products; wood structure; properties and material attributes; functional characteristics and logistics of wood product industry. Contribution of innovative product development to conservation; adding value; residue use; biorefinery; under-utilized species; wood protection. Forest product certification; eco-labelling; life cycle analysis.

Recommended Preparation: FOR200H1, FOR201H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### FOR301H1 Field Methods in Forest Conservation [TBA]

A practical introduction to the field methods used by forest conservationists in Ontario. This field course will last 10-days from August 30 September 8 approximately. Field exercises will provide students with practical training in tree identification, forest ecosystem classification, forest inventory, stand management prescriptions, tree marking, and silvicultural systems. Each student is required to pay an ancillary fee of \$600 to cover the costs of their transportation and accommodation. Students must contact the Faculty to register; we strongly recommend that you do so by the end of May, but later registrations will be considered if class size permits. Not eligible for CR/NCR option.

Recommended Preparation: ENV234H1, FOR200H1, FOR201H1, GGR205H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

# Forest Conservation

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## **FOR302H1 Societal Values and Forest Management [24L]**

The course will provide diverse perspectives about societal values and forests, such as Aboriginal perspective, ecosystem services and human well-being, climate change and carbon sequestration, and forest management systems, such as community-based forest management and adaptive management systems; and will develop an understanding of the need of integrative approach to address the social, cultural, economic, and scientific issues associated with forest management.

Recommended Preparation: FOR200H1, FOR201H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **FOR303H1 Human Dimensions of Global Forests [24L]**

Global forest resources; relationships between societies and forests, consumption, trade and valuation of timber and non-timber products; ecosystem services, climate change and forestry, tropical deforestation and softwood lumber dispute.

Recommended Preparation: FOR200H1, FOR201H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **FOR305H1 Biology of Trees and Forests [24L/40P]**

An overview of the biology of trees and the ecological principles that govern the structure and function of forests. Topics in tree biology will include tree identification, wood anatomy, tree architecture, resource acquisition and allocation, tree growth and mortality. Topics in forest ecology will include resource competition, stand development, species succession, and the cycling of nutrients and energy. This course will include a substantial field and lab component.

Recommended Preparation: FOR200H1, FOR201H1, BIO120H1, BIO220H1, ENV234H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **FOR306H1 Tropical Forest Ecology and Conservation Field Course [24P]**

This course will provide practical experience in tropical forest conservation, introducing tools for rapid assessment of biodiversity, analysis of human use and natural disturbance impacts on forest structure and diversity, and the development of effective forest conservation strategies. The 10-day course will be field-based in the country of Dominica, West Indies. Additional fees for field course (e.g. accommodation, food, other within course travel expenses) will apply. See Faculty website for details. Not eligible for CR/NCR option.

Prerequisite: FOR201H1, FOR301H1 or FOR305H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **FOR307H1 Forest Insect Ecology & Management [24L/24P]**

Insect identification and ecology, biodiversity and conservation, invasive species, insect-tree interaction, biological control, pesticide use, and integrated pest management.

Recommended Preparation: FOR301H1 or FOR305H1, EEB380H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **FOR310H1 Bioenergy from Sustainable Forest Management [24L/12T]**

Socio-economic, technical, political and environmental issues associated with the utilization of forest biomass (e.g., harvesting residues, thinnings, salvage, short rotation woody crops) for a source of renewable energy.

Exclusion: GGR310H1

Recommended Preparation: Completion of at least 6 Science FCEs

Distribution Requirement Status: Science

Breadth Requirement: Society and its Institutions (3)

## **FOR400Y1 Advanced Seminar in Forest Conservation [48S]**

Examination of current and emerging critical issues affecting sustainable management and conservation of global forests. Seminars led by students, faculty and visiting speakers.

Prerequisite: At least 2 of FOR300H1, FOR301H1, FOR302H1,

FOR303H1, FOR305H1, FOR306H1, FOR307H1, FOR310H1

Distribution Requirement Status: Social Science or Science

Breadth Requirement: Society and its Institutions (3) + Living Things and Their Environment (4)

## **FOR401H1 Research Paper/Thesis in Forest Conservation [TBA]**

Individual in-depth student research projects on significant forest conservation and forest biomaterial issues, based on field and/or laboratory research, or literature survey. Not eligible for CR/NCR option.

Prerequisite: At least 2 of FOR300H1, FOR301H1, FOR302H1,

FOR303H1, FOR305H1, FOR306H1, FOR307H1, FOR310H1 +

Completion of at least 15 FCEs

Distribution Requirement Status: Social Science or Science

Breadth Requirement: None

## **FOR403H1 Directed Readings [24S]**

Provides opportunities for students to carry out individual in-depth study of current forest conservation and forest biomaterials issues, under the direction of a faculty member. Not eligible for CR/NCR option.

Prerequisite: At least 2 of FOR300H1, FOR301H1, FOR302H1,

FOR303H1, FOR305H1, FOR306H1, FOR307H1, FOR310H1 +

Completion of at least 15 FCEs

Distribution Requirement Status: Social Science or Science

Breadth Requirement: None

## **FOR405H1 Forest Products, Processing and Water Relations [24L/12P]**

Processing of wood into commercial products focusing on products produced in conjunction with water. Also includes composite manufacturing; specifications and testing; bending; wood drying; spalting and decay protection; life cycle analysis of wood-based products.

Prerequisite: None

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **FOR410H1 Bioenergy and Biorefinery Technology [24L/24T]**

Technological advances and approaches in deriving biofuels and chemical feedstocks from forest and other biomass. Fundamental chemical attributes of biomass, as they affect the fuel value and potential for deriving liquid, solid and gaseous fuels and valuable chemicals for other applications will be discussed.

Exclusion: FOR425H1 (APSC)

Recommended Preparation: Completion of at least 10 Science FCEs

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **FOR413H1 Wildlife Ecology & Conservation [24L]**

Temperate and tropical wildlife ecology and conservation; roles of wildlife in forest conservation; impacts of forestry practices and landscape modification on wildlife; ecology and viability of wildlife populations; human uses and abuses of game and non-game species.

Prerequisite: FOR200H1, FOR201H1, EEB319H1, EEB321H1, EEB323H1, EEB324H1, ENV234H1 + Completion of at least 15 FCEs

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **FOR416H1 Urban Forestry and Green Infrastructure [24L]**

Trees in and around the city are key to providing multiple engineered and ecological services that only recently have been brought into the responsible fiscal planning of every municipality around the globe.

Reviews the role of trees and woodlands in providing environmental, social and economic benefits to urban and peri-urban residents and to the broader environment. Examines approaches to the characterization of urban forest ecosystems, and their planning and management.

Prerequisite: FOR200H1, FOR201H1

Exclusion: FOR421H1 (APSC)

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **FOR417H1 Ecological Principles of Agroforestry [24L]**

The roles of trees and forests in agricultural land-use systems primarily in the third world. An examination of the biological and management aspects of agroforestry, within the socio-economic constraints of the developing world. The sustainability of particular agroforestry systems is a theme throughout.

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **FOR418H1 Urban Forest Conservation Field Camp [45L/15P]**

A ten day field course examining urban forestry issues in the GTA, southern and eastern Ontario and Quebec. Topics include: urban forest inventories, nursery production, arboricultural techniques, urban woodland management, urban forest health, urban forest administration, urban dendrology, and urban forestry research. Additional fees for field course (e.g. accommodation, food, other within course travel expenses) will apply. See Faculty website for details. Not eligible for CR/NCR option.

Prerequisite: FOR200H1, FOR201H1, or permission of the instructor.

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **FOR419H1 Forest Fire Behaviour and Management [24L/24P]**

Understanding forest fire activity is important for predicting fire's impact on forests and the wildland-urban interface, as well as understanding the impacts of climate change. Basic principles of forest fuel moisture exchange, fire occurrence and fire behaviour are explored. Emphasis is placed on application of these models to real fire management problems.

Prerequisite: One course in quantitative methods, linear algebra or calculus

Recommended Preparation: ECO220Y1, ECO227Y1, GGR270H1, MAT133Y1, MAT137Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **FOR420H1 Green Process Chemistry [24L/12T]**

This course provides an overview of the chemistry of wood and wood materials involving cellulose, hemicellulose, lignin, extractives. It also covers some reaction chemistry associated with these chemical components.

Recommended Preparation: Completion of at least 10 Science FCEs

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **FOR423H1 Sustainable Materials Design and Manufacturing [24L/24T]**

This course focuses on the manufacturing processes, properties and uses of wood and agricultural fibre based products including wood based composites, ligno-cellulosic/thermoplastic composites and structural or engineered composites, and the practical use of these products in design.

Exclusion: FOR424H1 (APSC)

Recommended Preparation: Completion of at least 10 Science FCEs

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **JFG470H1 Forest Management [24L]**

Application of operational research and information technology to develop decision support systems for forest land management planning.

Basic principles of mathematical programming, simulation and decision analysis, and their application to planning for forest conservation and sustainable development, policy analysis and other land management planning problems.

Prerequisite: One course in quantitative methods or linear algebra

Recommended Preparation: ECO220Y1, ECO227Y1, GGR270H1, MAT133Y1, MAT223H1

Distribution Requirement Status: Science

Breadth Requirement: Society and its Institutions (3)

## **JFG475H1 Forest Fire Management Systems [24L]**

Use of operational research and information technology to develop mathematical models and decision support systems to design and evaluate the performance of forest fire and other emergency response systems. Forest fire management systems are used to illustrate the basic principles of emergency response system planning that can also be applied to urban fire, police and ambulance services.

Prerequisite: One course in quantitative methods or calculus

Recommended Preparation: ECO220Y1, ECO227Y1, GGR270H1, MAT133Y1, MAT137Y1

Distribution Requirement Status: Science

Breadth Requirement: Society and its Institutions (3)

## Faculty

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### University Professor Emeritus

B.T. Fitch, BA, D 3e C (T)

### Professors Emeriti

C. Bertrand-Jennings, LsL, Ph D (University of Toronto Scarborough)  
P.A.R. Bouissac, LsL, DES, D Phl (V)  
N. Boursier, DES, CAPES, D 3e C (U)  
J.G. Chidaine, AM, Ph D (V)  
D. Clandfield, MA, D 3e C (N)  
C. Cloutier-Wojciechowska, LsL, DES, MA, M Ph, DPS, DUP  
(University of Toronto Mississauga)  
P. Collet, AM, Ph D (SM)  
D. de Kerckhove, MA, Ph D (SM)  
L.E. Doucette, BA, Ph D (University of Toronto Scarborough)  
A.G. Falconer, MA, D 3e C (U)  
P. Fitting, MA, Ph D (N)  
P. Grillo, MA, Ph D (SM)  
C.M. Grisé, MA, Ph D(SM)  
E.A. Heinemann, MA, Ph D (N)  
E.M. Kushner, MA, Ph D (V)  
E. Lehouck, AGR ESS, D Phl (U)  
M.M. Léon, LsL, DES, D 3e C (V)  
P. Martin, IRAL BR, D 3e C, D Sc A (SM)  
N. Maury, LenD, D 3e C (T)  
J.A. McClelland, MA, Ph D (V)  
P.W. Nesselroth, MA, Ph D (U)  
W.A. Oliver, MA, D 3e C (T)  
M. O'Neill-Karch, MA, D U Honoris Causa (WW)  
P.J.G.O. Perron, BA, D 3e C (U)  
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D.W. Smith, BA, Ph D (V)  
R.A. Taylor, MA, Ph D (V)  
C.D.E. Tolton, AM, Ph D (I, V)  
H.H. Weinberg, MA, Ph D (University of Toronto Mississauga)  
T.R. Wooldridge, BA, D 3e C (T)

### Professor and Chair of the Department

P. Michelucci, MA, Ph D (University of Toronto Mississauga)

### Associate Chair, Graduate Studies

B. Havercroft, MA, Ph D (V)

### Associate Chairs, Undergraduate Studies

J. Steele MA, Ph D (SM) (until December 31, 2015)  
A. Tcheuyap, MA, Ph D (SM) (until June 30, 2016)

### Professors

C. Elkabas, MA, Ph D (University of Toronto Mississauga)  
J. LeBlanc, MA, Ph D (V)  
R.J. Le Huenen, LsL, DES, D Phl (V)  
M. Lord, MA, Ph D (University of Toronto Mississauga)  
P. Michelucci, MA, Ph D (University of Toronto Mississauga)  
J. Paterson, MA, Ph D (I)  
Y. Roberge, MA, Ph D (SM)  
A. Tcheuyap, MA, Ph D (SM)

### Associate Professors

P. M. Bhatt, MA, Ph D (SM)  
A.-M. Brousseau, MA, Ph D (SM)  
A. Cozea, MA, Ph D (V)  
B. Havercroft, MA, Ph D (V)  
G. Holtz, MA, D 3e C (V)  
D. Kullmann, MA, Ph D (SM)  
S. Mittler, MA, Ph D (University of Toronto Scarborough)  
A. Motsch, MA, Ph D (V)  
J. Ndayiragije, MA, Ph D (University of Toronto Scarborough)  
E. Nikiema, MA, Ph D (University of Toronto Mississauga)  
M. Pirvulescu, MA, Ph D (University of Toronto Mississauga)  
Y. Portebois, MA, Ph D (SM)  
P. Riendeau, MA, Ph D (University of Toronto Scarborough)  
J. Steele, MA, Ph D (SM)

### Associate Professors, Teaching Stream

C. Beauquis, MA, Ph D (University of Toronto Scarborough)  
J. English, MA, Ph D (University of Toronto Scarborough)  
C. Evans, MA, Ph D (University of Toronto Mississauga)  
D. Issa-Sayegh, MA, D 3e C (SM)  
K. McCrindle, MA, Ph D (University of Toronto Scarborough)  
F. Mugnier-Manfredi, MA, Ph D (University of Toronto Scarborough)  
Emerita  
G. Paray, MA, Ph D (SM)  
S. Sacre, MA, Ph D (OH) (July 1, 2016)  
M. Tsimenis, MA, Ph D (University of Toronto Scarborough)  
M.-A. Visoi, MA, Ph D (SM)

### Assistant Professors

J. Cahill, MA, Ph D (I)  
S. Drouin, MA, Ph D (University of Toronto Scarborough)  
M.-P. Lory, L èsL., M.èsL., Ph D (University of Toronto Mississauga)  
A. Takam, MA, Ph D (SM)  
P. Thériault, MA, Ph D (SM)

### Assistant Professors, Teaching Stream

R. Hong, MA, Ph D (University of Toronto Mississauga)  
S. Sacre, MA, Ph D (OH) (until June 30, 2016)

### Lecturers

P. Bessler, MA, Ph D (OH)  
P. Bovy, MA, Ph D (SM)

French is not only one of the official languages of Canada: it is also one of the world's major international languages. Courses in French studies provide a varied, flexible, and in-depth examination of the French language and the multitude of cultures that it serves. The skills and knowledge acquired will lay the groundwork for careers in teaching, journalism, translation, publishing, and government service as well as research in a variety of fields. In the Canadian job market, command of the French language is a definite asset. The Department offers students an integrated curriculum, which brings together courses in language, didactics, linguistics, literature, and French culture. **Unless specified otherwise, the language of instruction of all courses is French.**

### Overview of French Programs

The Department offers three majors (Literature, Linguistics, French Language Learning) and two minors (French as a Second Language, French Studies). Programs in Literature and Linguistics can also be taken as specialist programs.

### Majors

**Literature (FRE):** 200-level mandatory courses introduce students to concepts, methodologies, and critical tools elaborated vis-à-vis further literature and theory and that serve as the framework for other literature courses dedicated to the history of French literature and its cultural and social contexts. 300-level courses encourage students to explore sophisticated primary and secondary sources from disciplinary and interdisciplinary perspectives. 400-level courses initiate students to research. The actual content of most 400-level courses varies considerably according to the instructor. Students should consult the French Studies Undergraduate brochure ([www.french.utoronto.ca/undergraduate](http://www.french.utoronto.ca/undergraduate)) for content specific to a given year.

**What can I do with a program in French Literature?** Possible career paths include:

- provincial and federal government civil service
- language teaching
- media, public relations, journalism, publishing, editing, copywriting
- library and information sciences
- foreign services/affairs, international development
- bilingual customer service

**Linguistics (FRE):** 200-level mandatory courses initiate students into the analysis of contemporary French and its historical development. 300-level courses break the discipline of linguistic analysis into its chief component parts. 400-level courses initiate students to research in a variety of areas including formal linguistics, bilingualism, second language acquisition, neurolinguistics, and language contact.

**What can I do with a program in French Linguistics?** Possible career paths include:

- provincial and federal government civil service
- health professions such as speech pathology, speech therapy, audiology
- language teaching
- computer applications in speech & text recognition, programming
- media, public relations, journalism, publishing, editing, copywriting, technical writing
- bilingual customer service

**French Language Learning (FRE):** The 200-level mandatory course FRE225Y1 introduces students to second language teaching methodology. Courses at the 300 and 400 levels expand upon this, focusing on communicative teaching approaches, the role of culture in the second language classroom, and teaching to younger learners. Students are also provided with a background in applied linguistics in the areas of bilingualism, second language acquisition, and sociolinguistics.

**What can I do with a program in French Language Learning?** Career paths include:

- provincial and federal government civil service
- language teaching
- media, public relations, journalism, publishing, editing, copywriting, technical writing
- bilingual customer service

## Minors

**French as a Second Language (FSL):** The FSL program is designed to accommodate the widest range of previous learning experiences and particular interests of students. Emphasis is placed on both written and spoken language; at higher levels, half-courses allow for specialized study of one or the other.

## What can I do with a program in French as a Second language?

Career paths include:

- provincial and federal government civil service including as a bilingual immigration or customs officer
- private sector positions as a bilingual customer service agent or flight attendant,

**French Cultural Studies (FCS):** Courses on French and Francophone culture, taught in English, may be used to fulfil distribution/breadth requirements.

## Important policies re French as a Second Language (FSL) courses

The following policies must be respected when registering for French courses. Failure to do so may result in students being automatically withdrawn by the Department from the course in which they are registered:

### 1) Determining the appropriate level of one's first French course:

The Department places students in the language course appropriate to their level of linguistic competence based on the results of its Placement Test. Given that 100, 200, 300 and 400-level FSL courses correspond to levels of competence in French and not to years of study as is the case with FRE courses, a student may be recommended to enroll in a course at a higher level than his/her year of study. The Placement Test, available at [www.lang.utoronto.ca/placement/french](http://www.lang.utoronto.ca/placement/french), is mandatory for all students who wish to register in an FRE or FSL course for the first time (except true beginners with no knowledge of French who may enroll directly in FSL100). The Test can be taken only **ONCE** and the results of the first test will prevail in the event of multiple attempts. Ideally, the Placement Test should be taken in the term preceding the one of the course students wish to register in (e.g., for a course starting in September, students should take the Placement Test in the summer term, prior to their registration date on ACORN and before the beginning of classes). Please allow three to five working days to obtain the test results.

**2) Sequencing:** Students are reminded that they must take FSL courses in the appropriate sequencing (100>200>300>400). In particular,

- If placed at a higher level than FSL221Y1 by the Placement Test, students must take FSL271H1 before any FSL300 or 400-level course.
- Students currently registered in or having completed FSL321Y1, FSL375Y1 or any 400-level FSL course cannot take FSL362H1, FSL363H1, and FSL364H1.

**3) Auditing:** No auditing is allowed in FSL courses.

## Study Abroad Options for Students wishing to Study French in Other Universities including those in Quebec or Europe

**Study Elsewhere Program:** In order to be permitted to participate in this program, a student must satisfy the following requirements: have 1) an overall average of at least 70% in courses completed in second year; and 2) an average of 70% in at least two French (FRE) courses required in a Major or Specialist program. Information on these programs and on the Second Language Summer Program is available on-line at [french.utoronto.ca/undergraduate/information/study\\_elsewhere](http://french.utoronto.ca/undergraduate/information/study_elsewhere).

**French Department Study Abroad in Nice, France:** The Department of French at the University of Toronto, in collaboration with other Canadian universities, offers a third-year abroad program to study at the University of Nice. Students spend a full academic year in France (September to May), and may receive up to 5.0 credits towards their degree (2.0 of credits taught by the Canadian professor in charge of the program and up to 3.0 credits from the regular University of Nice offerings). Students

pay regular University of Toronto tuition fees and remain UofT students.

In order to participate, students must 1) be enrolled in a French program (Specialist, Major or Minor); 2) have a minimum GPA of 2.50; 3) have at least a B (70%) average in all courses completed in the year preceding their participation in the program; and 4) have completed at least FSL221Y (with a minimum grade of 63%) or equivalent. At least 1.0 FRE 200-level course is preferred.

St. George students apply by submitting the online form to the Centre for International Experience <http://www.cie.utoronto.ca/Going/Apply/Online-Application.htm>. UTM and UTSC students apply through their own International Student Centre.

## Transfer Credits

### • for FSL Courses:

Students may apply for transfer credits for language courses taken at any accredited or degree-granting university in Canada or abroad; this is done, through the Office of the Faculty Registrar. In order to be recommended for transfer credits, students should arrange, before returning to Toronto, for the university in which the course(s) were taken to send an official transcript of their results directly to the address indicated on their Letter of Permission (if they have one) or to the Office of the Faculty Registrar.

As soon as possible after completion of the course and before enrolling in any FSL or FRE courses at UofT, students must take the Placement Test at the Department of French. In order to receive a transfer credit, students must qualify for entry into the next language course above the level of the one for which they desire credit. Students must enroll in the course recommended by the Placement Test results. Therefore, students who enroll in a course before taking the Placement Test, do so at their own risk. Students should call 416-926-2302 or write to [french.secretary@utoronto.ca](mailto:french.secretary@utoronto.ca) to book an appointment for writing the test at the Department of French.

### • For FRE Courses:

Transfer credits for studies in areas other than language may be requested directly upon return through the Office of the Faculty Registrar and will be processed in the normal way. It is recommended that a Letter of Permission be requested through the Office of the Faculty Registrar well in advance of departure from Toronto. Students are reminded that only courses taken at accredited universities or degree-granting institutions will be considered for credit.

**Exclusions and prerequisites:** Students must abide by all requirements stated in the exclusions and prerequisites to register in a course. Students who do not have the prerequisites for a given course must obtain the permission of the Department prior to registration. The Department will assess the students' admissibility to the course in consultation with the instructor. For FSL courses, exclusions ensure that students follow the best progression in language learning.

**Further Information:** The French Studies Undergraduate Brochure, available online at [www.french.utoronto.ca/undergraduate](http://www.french.utoronto.ca/undergraduate), contains more detailed information concerning the courses and programs listed below.

Associate Chair, Undergraduate: Room 227, Odette Hall, 50 St. Joseph St., 416-926-2312; [french.undergradchair@utoronto.ca](mailto:french.undergradchair@utoronto.ca)

Undergraduate Counsellor: Room 226, Odette Hall, 50 St. Joseph st., 416-926-2333, [french.undergraduate@utoronto.ca](mailto:french.undergraduate@utoronto.ca)

General Enquiries: Room 210, Odette hall, 50 St. Joseph St., 416-926-2302, [french.secretary@utoronto.ca](mailto:french.secretary@utoronto.ca)

## French Programs

Students must note the following before enrolling in and while completing any French program:

1) Enrolment in all programs requires the completion of 4.0 courses.

2) Exemption from any required FSL or FRE course does not reduce the total number of courses required for a program.

**3) Students must satisfy the program requirements as outlined the year in which they registered in their program as described in the brochure from their year of registration.**

4) **FSL100H1, FSL102H1 and FSL121Y1** do not count towards any Specialist, Major or Minor programs in French.

5) Students not placed in FSL221Y1 or higher by the Placement Test must first complete FSL121Y1 before starting any program in French.

6) FSL 221Y is our 1<sup>st</sup> language course which is mandatory for all minor, major, and specialist programs. In order to ensure that students have a solid knowledge of the structure of the French language (written and oral) by the end of their program, a minimum grade of 63% is required in FSL221Y in order to continue to FSL321Y. Students may retake course or upgrade through a transfer credit obtained at a program such as *Explore* or *Summer Abroad*.

7) FSL271H1 provides useful basics for further studies in Linguistics and French Language Learning, and for students who feel they would benefit from a better understanding of the grammatical structure of the language. If exempted from FSL221Y1 by the Placement Test, students must take this course before any higher level FSL course. **It cannot be taken after or concurrently with FSL321Y1, FSL375Y1, FSL421Y1, FSL442H1, FSL443H1, FSL472H1 or FSL473H1.**

Students who are not enrolled in a program in French may enroll in an FRE course of their choice as an elective with the Department's permission, if they can demonstrate adequate competence in French. These students may submit their written assignments in English.

## French Language and Literature Specialist (Arts program)

**The Department takes into account the quality of students' French as one of the criteria in the evaluation of assignments and examinations. A minimum of 20% of the grade will be allocated to this aspect of written assignments.**

(11 full courses or their equivalent)

- FSL221Y1(63%), FSL321Y1, FSL442H1, FSL443H1. (Students not placed in FSL221Y1 or higher by the Placement test must first complete FSL121Y1 before starting this program. Students exempted from FSL221Y1 may replace it with any FRE 200+ or 300+ level course. Students exempted from FSL321Y1 may replace it with two FRE half-courses at the 300+ level. Students with 77% in FSL321Y1 may replace FSL442H1, FSL443H1 with a 300+ series FRE course).
- FRE240H1, FRE241H1, FRE210H1, FRE250H1
- FRE272H1, FRE273H1
- FRE344H1
- 1.5 full course equivalents in the *History of French Literature* group: FRE318H1, FRE319H1, FRE320H1, FRE324H1, FRE326H1; 1.0 full-course equivalent in the *Problematics and Media Studies* group: FRE304H1, FRE308H1, FRE310H1, FRE334H1, FRE336H1, FRE345H1; 0.5 full-course equivalent in the *Cultural and Social Contexts* group: FRE314H1, FRE332H1.

- 1.0 full-course equivalent in FRE literary courses at the 400-level
- 0.5 additional full-course equivalent at the 300 + level among the Department's literary course offerings.

**Please note that students must complete in this order FRE240H1, FRE241H1 and FRE344H1 before taking any FRE 400-level literary courses.**

## French Language and Literature Major (Arts program)

**The Department takes into account the quality of students' French as one of the criteria in the evaluation of assignments and examinations. A minimum of 20% of the grade will be allocated to this aspect of written assignments.**

(8 full courses or their equivalent)

- FSL221Y1 (63%), FSL321Y1 (Students not placed in FSL221Y1 or higher by the Placement test must first complete FSL121Y1 before starting this program. Students exempted from FSL221Y1 may replace it with any FRE 200+ or 300+level course. Students exempted from FSL321Y1 may replace it with two FRE half-courses at the 300+ level).
- FRE240H1, FRE241H1, FRE210H1/FRE250H1
- FRE272H1/FRE273H1
- FRE344H1
- 1.0 full-course equivalent in the *History of French Literature* group as follows: 0.5 full-course equivalent from FRE318H1/FRE319H1/FRE320H1 and 0.5 full-course equivalent from FRE324H1/FRE326H1; 1.0 full-course equivalent in the *Problematics and Media Studies* group from FRE304H1, FRE308H1, FRE310H1, FRE334H1, FRE336H1, FRE345H1; 0.5 full-course equivalent in the *Cultural and Social Contexts* group from FRE314H1/FRE332H1.
- 1.0 full-course equivalent in FRE literary courses at the 400-level.

**Please note that students must complete in this order FRE240H1, FRE241H1 and FRE344H1 before taking any FRE 400-level literary courses.**

## French Language and French Linguistics Specialist (Arts program)

**The Department takes into account the quality of student' French as one of the criteria in the evaluation of assignments and examinations. A minimum of 20% of the grade will be allocated to this aspect of written assignments.**

(10 full courses or their equivalent)

- FSL221Y1 (63%) (Students not placed in FSL221Y1 or higher by the Placement test must first complete FSL121Y1 before starting this program. Students exempted from FSL221Y1 must replace it with FSL271H1 and any FSL or FRE half-course. FSL271H1 must be completed before enrolling in any higher-level FSL course.)
- FRE272H1, FRE273H1, FRE274H1; 1.0 full-course equivalent among FRE210H1/FRE240H1/ FRE250H1; FSL321Y1 (Students exempted from FSL321Y1 may replace it with any FRE course)
- FRE376H1, FRE378H1 and 1.0 full-course equivalent in Group A at the 300-level; FRE383H1 and 1.0 full-course equivalent in Group B at the 300-level
- 2.0 full-course equivalents in French Linguistics at the 400-level

Group A - *Structure of French*: FRE376H1 (mandatory), FRE378H1 (mandatory), FRE386H1, FRE387H1, FRE488H1, FRE489H1, FRE490Y1, FRE491H1, FRE492H1

Group B - *Use, acquisition and history of French*: FRE379H1, FRE383H1 (mandatory), FRE388H1, FRE471H1, FRE487H1, FRE490Y1, FRE491H1, FRE492H1, JFL477H1, JFL478H1

## French Language and French Linguistics Major (Arts program)

**The Department takes into account the quality of students' French as one of the criteria in the evaluation of assignments and examinations. A minimum of 20% of the grade will be allocated to this aspect of written assignments.**

(8 full courses or their equivalent)

- FSL221Y1 (63%) (Students not placed in FSL221Y1 or higher by the Placement test must first complete FSL121Y1 before starting this program. Students exempted from FSL221Y1 must replace it with FSL271H1 and any FSL or FRE half-course. FSL271H1 must be completed before enrolling in any higher-level FSL course.)
- FRE272H1, FRE273H1, FRE274H1; 1.0 full-course equivalent among FRE210H1/FRE240H1/ FRE250H1; FSL321Y1 (Students exempted from FSL321Y1 may replace it with any FRE course)
- FRE376H1, FRE378H1; FRE383H1 and 0.5 full-course equivalent in Group B at the 300-level; ANY 300+ half-course in French linguistics
- 1.0 full course equivalent French linguistics at the 400-level

Group A - *Structure of French*: FRE376H1 (mandatory), FRE378H1 (mandatory), FRE386H1, FRE387H1, FRE488H1, FRE489H1, FRE490Y1, FRE491H1, FRE492H1

Group B - *Use, acquisition and history of French*: FRE379H1, FRE383H1 (mandatory), FRE388H1, FRE471H1, FRE487H1, FRE490Y1, FRE491H1, FRE492H1, JFL477H1, JFL478H1

## French Language Learning Major (Arts program)

**The Department takes into account the quality of students' French as one of the criteria in the evaluation of assignments and examinations. A minimum of 20% of the grade will be allocated to this aspect of written assignments.**

(8 full courses or their equivalent including at least 2 F.C.E.s FRE courses at the 300+ level)

- FSL221Y1 (63%) (Students not placed in FSL221Y1 or higher by the Placement test must first complete FSL121Y1 before starting this program. Students exempted from FSL221Y1 must replace it with FSL271H1 and any FSL or FRE half-course. FSL271H1 must be completed before enrolling in any higher-level FSL course.)
- FRE225Y1, 0.5 full-course equivalent among FRE210H1/FRE240H1/FRE250H1, FRE272H1, FSL321Y1 (Students exempted from FSL321Y1 may replace it with any FRE course)
- FRE379H1, FRE383H1, FRE384H1, FRE388H1, FSL421Y1/FSL375Y1
- FRE483H1, FRE485H1

## French as a Second Language Minor (Arts program)

**The Department takes into account the quality of students' French as one of the criteria in the evaluation of assignments and examinations. A minimum of 20% of the grade will be allocated to this aspect of written assignments.**

(4 full courses or their equivalent)

- FSL221Y1 (63%). Students not placed in FSL221Y1 or higher by the Placement test must first complete FSL121Y1 before starting this program. Students exempted from this course must replace it with FSL271H1 and any half-course listed immediately below or with FSL321Y.
- 1.0 full course equivalent among the following: FSL362H1, FSL363H1, FSL364H1.
- FSL375Y1

# French

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- FSL472H1 + FSL473H1

Please note that FSL362H1, FSL363H1, and FSL364H1 can be taken concurrently but must be completed before enrolling in FSL375Y1.

## French Studies Minor (Arts program)

The Department takes into account the quality of students' French as one of the criteria in the evaluation of assignments and examinations. A minimum of 20% of the grade will be allocated to this aspect of written assignments.

(4 full courses or their equivalent)

1. FSL221Y1 (Students not placed in FSL221Y1 or higher by the Placement test must first complete FSL121Y1 before starting this program. Students exempted from FSL221Y1 must replace it with FSL271H1 and any FRE half-course)
2. Three FRE courses at the 200+ level including one full course equivalent at the 300/400-level

## Faculty of Arts & Science Language Citation

The Department of French participates in the Faculty of Arts and Science's Language Citation initiative for French.

In order to receive a language citation in French Studies, students should have completed two FCEs (Full Course Equivalents) FSL at the 300+ level or two FCEs FRE at the 200+ level with a minimum mark of B-. Please note that a combination of both FRE and FSL courses is not applicable for the assessment.

Students should note that, as explained in this Calendar, the Language Citation is not equivalent to an academic program and that enrolment in a program is not necessary in order to earn the recognition bestowed by the Citation.

## French Courses

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### First-Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate students' curiosity and provide students an opportunity to get to know a member of the professorial staff in a seminar environment during their first year. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

Students enrolled simultaneously in TWO or more French programs are allowed to double-count ONLY one course (1 F.C.E.) towards their French programs.

The Department takes into account the quality of students' French as one of the criteria in the evaluation of assignments and examinations. A minimum of 20% of the grade will be allocated to this aspect of written assignments.

## Courses Taught in English

Courses Taught in English (see also all FCS courses)

First Year Seminars

CCR199Y1, CCR199H1, TBB199H1 and XBC199Y1

JFL477H1

Issues in French and Linguistics I

See French Linguistics Courses below

JFL478H1

Issues in French and Linguistics II

See French Linguistics Courses below

SLA263H1

Studies in Russian-French Cultural History

See Department of Slavic Languages and Literatures

SMC228H1

Books and Readers

See St. Michael's College

CDN202H1

Aspects of Québec Culture

See University College

## French Courses

NOTE: FCS, JFL, JFV and College courses are taught in English with reading and written assignments in English. However, students can count these courses with the exception of FCS 195H towards a program in French (Major or Specialist **ONLY**) if they submit all written work and tests in French. These students must, during the first week of class, inform the instructor of their intent to do so.

## FCS: French Cultural Studies Courses

FCS courses are taught in English with written and reading assignments also in English. Some half-courses at the 200/300-level have variable content and may not be offered every year. Please consult the French Studies Undergraduate brochure ([www.french.utoronto.ca/undergraduate/](http://www.french.utoronto.ca/undergraduate/)) for more details.

### FCS195H1 French Culture from Napoléon to Astérix [24L]

A multi-media course, analyzing the contributions the French have made to world culture in such domains as architecture, art, literature, and music, as well as some of the implications of the appropriation of French cultural icons by big business and the media.

Prerequisite: None

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### FCS290H1 Special Topics in French Cultural Studies I [24L]

The relation of French popular culture to society.

Prerequisite: None

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### FCS291H1 Special Topics in French Cultural Studies I: [24L]

The relation of French popular culture to society. (Not offered in 2016-17; offered every three years).

Prerequisite: None

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)



## **FCS292H1 Special Topics in French Cultural Studies I [24L]**

The relation of French popular culture to society. For more information, see [http://www.french.utoronto.ca/undergraduate/courses/french\\_cultural\\_studies](http://www.french.utoronto.ca/undergraduate/courses/french_cultural_studies)

Prerequisite: None

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

Available Online: consult Faculty or Graduate Unit for details

## **FCS310Y1 French Cinema [48L/48P]**

Cinema in France with emphasis on theory and practical criticism, on auteurs and movements such as the avant-garde of the twenties and the New Wave of the late fifties. Films shown are subtitled. (Not offered in 2016-17; offered in alternate years).

Prerequisite: At least 5 course credits in any subject

Recommended Preparation: INI115Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FCS369Y0 The Culture of Touraine [48L]**

This course will offer a unique opportunity to study the culture of the Touraine region while living an experience of complete immersion in Tours, a city located in the Loire Valley, a UNESCO World Heritage Site and the seat of power of the French monarchy until the 17th Century. Not eligible for CR/NCR option. (Not offered in Summer 2016)

Prerequisite: At least 5 course credits in any subject

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FCS390H1 Special Topics in French Cultural Studies II [24L]**

Studies on an individual writer or specific area of literature. For more information, see

[http://www.french.utoronto.ca/undergraduate/courses/french\\_cultural\\_studies](http://www.french.utoronto.ca/undergraduate/courses/french_cultural_studies)

Prerequisite: At least 5 courses in any subject

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FCS391H1 Special Topics in French Cultural Studies II [24L]**

Studies on an individual writer or a specific area of literature.

Prerequisite: At least 5 course credits in any subject

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FCS392H1 Special Topics in French Cultural Studies II [24L]**

Studies on an individual writer or specific area of literature. (Not offered in 2016-17; offered in alternate years). The relation of French popular culture to society. For more information, see

[http://www.french.utoronto.ca/undergraduate/courses/french\\_cultural\\_studies](http://www.french.utoronto.ca/undergraduate/courses/french_cultural_studies)

Prerequisite: At least 5 courses in any subject

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FRE: French Literature Courses**

Please note that students must complete in this order FRE240H1, FRE241H1 and FRE344H1 before taking ANY 400-level courses. Some half-courses at the 300/400-level have variable contents and may not be offered every year. Please consult the Department website ([www.french.utoronto.ca](http://www.french.utoronto.ca)) or the French Studies Undergraduate brochure ([www.french.utoronto.ca/undergraduate](http://www.french.utoronto.ca/undergraduate)) for more details.

## **FRE210H1 Introduction to Quebec Literature and Culture [36L]**

An introduction to various aspects of Québec literature and culture through the study of literary texts, cinema, and artistic productions, and their role in the evolution of a distinct Québec society. The course also familiarizes students with important socio-cultural and political events, which participated in the evolution of Québec society and provide a better understanding of Québec literature.

Prerequisite: FSL221Y1 or, upon first FRE/FSL enrolment, equivalent as determined by the French Placement Test

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FRE240H1 Introduction to Literary Analysis [24L/24T]**

A practical introduction to concepts, methods and problems of literary analysis, based on a detailed study of selected French and Francophone literary texts from various genres and periods. Students master the basic techniques of literary analysis and use them in short essays. Students must enrol in one two-hour lecture and one two-hour tutorial for a total of four hours per week.

Prerequisite: FSL221Y1 or, upon first FRE/FSL enrolment, equivalent as determined by the French Placement Test

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FRE241H1 Introduction to Research and Writing in Literary Studies [36L]**

Survey and practical applications of literary research tools, printed and digitalized, with training sessions at the library. Topics covered include rules and conventions of scholarly writing, organizing a paper, choice of appropriate style, developing arguments, proper usage of footnotes and bibliographical references, and material presentation of papers and dissertations.

Prerequisite: FSL221Y1 or, upon first FRE/FSL enrolment, equivalent as determined by the French Placement Test

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **FRE250H1 French Literature: From its Beginnings to the Twenty-First Century [36L]**

The evolution and major trends of French literature from the Middle Ages to the 21st century placed in their historical background and studied through representative texts from a variety of genres (narrative, poetry, drama, essay), selected both for their historical importance and their relevance to modern readers. (Not offered in 2016-17).

Prerequisite: FSL221Y1 or, upon first FRE/FSL enrolment, equivalent as determined by the French Placement Test

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FRE299Y1 Research Opportunity Program**

Credit course for supervised participation in faculty research project.

Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option. Course does not count towards any program in French.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **FRE304H1 Contemporary French Women's Prose Fiction [24L]**

An analysis of selected prose texts of the last hundred years written by major French women authors, emphasizing themes and textual strategies used to represent the female subject, her relationship to language, and the role of ethnicity, class, and gender in the construction of identity.

Prerequisite: FRE240H1

Recommended Preparation: FRE241H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FRE308H1 Reading, Writing, and Publishing in France (1200-2000) [24L]**

From the medieval manuscript to the E-book, with a view to understand how and why one writes, reads and/or publishes, a study of the impact of various technical innovations, the industrialization of book production and the role of intermediaries, in the context of the emergence of mass culture and global markets. (Not offered in 2016-17; offered in alternate years)

Prerequisite: FRE240H1

Recommended Preparation: FRE241H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FRE310H1 Relations between Text and Other Media [24L]**

Literary texts and other forms of media (photographs, cinematographic images, paintings) have been associated in a fascinating relation in hundreds of works of French literature. An exploration of this inextricable weaving together of verbal and visual experiences as it pertains to literature through the study of interdisciplinary theoretical texts focused on photography, painting, and cinema.

Prerequisite: FRE240H1

Recommended Preparation: FRE241H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FRE314H1 Quebec and French-Canadian Literature [24L]**

Literature of the 20th and 21st centuries speaks of contesting social and literary figures of authority, of challenging traditional literary structures and of accentuating creativity and subjectivity. An exploration of the thematic and formal structures that challenge traditional forms of thinking and writing in contemporary literature from Québec and other French-speaking parts of Canada.

Prerequisite: FRE240H1

Recommended Preparation: FRE241H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **FRE318H1 Medieval French Literature [24L]**

Religious fervour, chivalry, romance and ribald humour, heroic deeds, marvellous adventures, and exotic travels as found in selected texts from the French Middle Ages. Readings in modern French translations with appropriate reference to the original language.

Prerequisite: FRE240H1

Recommended Preparation: FRE241H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FRE319H1 French Literature during Reformation [24L]**

An overview of the fascinating literary diversity, prose, theatre and poetry essential to the changing humanistic discourse of the French Renaissance and Baroque periods. The underscoring of important historical events Reformation, Great Discoveries, Printing to explain the philosophical and literary values produced by such violent times.

Prerequisite: FRE240H1

Recommended Preparation: FRE241H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FRE320H1 French Literature of Classicism and Enlightenment [24L]**

An introduction to French literature between Classicism and the French Revolution with particular emphasis on its relationship to philosophical, cultural, and political movements of the Enlightenment, providing historical depth to philosophical and socio-political foundations of today's life. A privileged access to, and critique of, modernity in the postmodern age.

Prerequisite: FRE240H1

Recommended Preparation: FRE241H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **JFV323H1 Semiotics and Literature I [24S]**

The study of readings from major French literary semioticians is combined with the practical application of theory to the analysis of selected literary texts. This course is taught in English. (Not offered in 2016-17; offered every three years.)

Prerequisite: Completion of 5 FCE

Recommended Preparation: FRE240H1 + FRE241H1 or VIC223Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FRE324H1 French Literature in the Time of Revolutions and Industrialization [24L]**

The long 19th century (1789-1914) is characterized by change: from political upheavals to literary, scientific, and media revolutions, the spread of literacy, and the rapid development of industrialization and colonization. A study of the evolution of literature (genres, forms, movements), as influenced by these changing socio-political and economic contexts.

Prerequisite: FRE240H1

Recommended Preparation: FRE241H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FRE326H1 Contemporary French Literature [24L]**

Characterized by experimentation and the crisis of representation, French literature of the 20th and 21st centuries has undergone numerous transformations in form, content, and generic boundaries. A study of these literary movements, trends, and transgressions in poetry, prose, and theatre.

Prerequisite: FRE240H1

Recommended Preparation: FRE241H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FRE332H1 Francophone Literatures [24L]**

A comprehensive introduction to Francophone literatures and cultures, examining the linguistic, aesthetic and discursive specificities as represented by authors of the Francophone world. Focus on the concepts of colonialism, representation, alienation, emigration, and nationalism.

Prerequisite: FRE240H1

Recommended Preparation: FRE241H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FRE334H1 Francophone Cinema [24L]**

Through films from across the spectrum of the Francophone world, a study of the diversity of the French colonial empire as well as the different aesthetic, historical, and cultural effects of colonialism and post-independence experience on various cinematic representations.

Prerequisite: FRE240H1

Recommended Preparation: FRE241H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FRE336H1 Postcolonialism: Francophone Literatures [24L]**

The fundamentals of postcolonial theories, with emphasis on how they relate to the francophone world. The dialogue between fiction and theory, as well as the modalities of a coherent Francophone postcolonial identity in a global world. (Not offered in 2016-17; offered in alternate years).

Prerequisite: FRE240H1

Recommended Preparation: FRE241H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **FRE344H1 Literary Theory [24L]**

An introduction to literary theory through the study of particular theories underlying specific approaches to the literary text. Concepts and problems central to literary theory, and the writings of major critics and theoreticians.

Prerequisite: FRE240H1

Recommended Preparation: FRE241H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FRE345H1 Literary Genres [24L]**

Survey of the main literary genres and analysis of their features, with in-depth study of two of the genres: narrative (epic poem, novel, short narrative), lyric poetry, drama (tragedy, comedy, farce, mystery play), essay. Readings of selected texts, chosen for their representative potential and their historical relevance.

Prerequisite: FRE240H1

Recommended Preparation: FRE241H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FRE351H0 Special Topics in Linguistics or Literature [TBA]**

The course will be part of an international agreement between the University of Toronto and the University of Nice. Students will be taking the course in Nice.

Prerequisite: FRE240H1 and/or FRE272H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FRE352H0 Special Topics in Linguistics or Literature [TBA]**

The course will be part of an international agreement between the University of Toronto and the University of Nice. Students will be taking the course in Nice.

Prerequisite: FRE240H1 and/or FRE272H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FRE398H0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **FRE399Y0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **FRE410H1 Advanced Topics in Québec Literature: [24S]**

An advanced interdisciplinary research seminar devoted to specific issues of Québécois literature and culture. Focus on a literary genre, a particular subject matter, a literary movement, or based on a multidisciplinary approach to cinema, arts, and music. (Not offered in 2016-17; offered in alternate years)

Prerequisite: FRE240H1 + FRE241H1 + FRE344H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FRE438H1 Advanced Topics in Francophone Literatures [24S]**

An advanced seminar dedicated to specific issues of the Francophone literature and culture. Focusing on an author, a literary genre, or based on a multidisciplinary approach involving cinema, arts and music, each seminar reflects the professor's current research. (Not offered in 2016-17; offered in alternate years). For more information, see [http://www.french.utoronto.ca/undergraduate/courses/french\\_literature](http://www.french.utoronto.ca/undergraduate/courses/french_literature)

Prerequisite: FRE240H1 + FRE241H1 + FRE344H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FRE441H1 Advanced Topics in French Literature [24S]**

An advanced, research-oriented seminar devoted to specific issues of French literature and culture. Focus on a literary genre, a particular subject or literary movement, or based on a multidisciplinary approach involving cinema, arts, and music. For more information, see [http://www.french.utoronto.ca/undergraduate/courses/french\\_literature](http://www.french.utoronto.ca/undergraduate/courses/french_literature)

Prerequisite: FRE240H1 + FRE241H1 + FRE344H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FRE443H1 Advanced Topics: Authors: Baudelaire [24S]**

An advanced, research-oriented seminar devoted to questions concerning the authors practice, originality, and oeuvre. Production, performance and prominence, characteristic genres, religious and philosophical thought, theoretical reflection on literature, language, and belonging as aspects of the analysis of one single authors body of writing. For more information, see

[http://www.french.utoronto.ca/undergraduate/courses/french\\_literature](http://www.french.utoronto.ca/undergraduate/courses/french_literature)

Prerequisite: FRE240H1 + FRE241H1 + FRE344H1

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Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FRE446H1 Advanced Studies in Literary Theory [24S]**

An advanced, research-oriented course devoted to specific issues in French literary theory. Focus on particular theoretical concepts, paradigms, schools, trends, movements or major thinkers. For more information, see

[http://www.french.utoronto.ca/undergraduate/courses/french\\_literature](http://www.french.utoronto.ca/undergraduate/courses/french_literature)

Prerequisite: FRE240H1 + FRE241H1 + FRE344H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **French Linguistics Courses**

### **FRE272H1 The Structure of Modern French: An Introduction [24L/12T]**

A general introductory course on the structure of the French language including a descriptive study of meaning, sound, word, and sentence structure. Students must enrol in one two-hour lecture and one tutorial for a total of three hours per week.

Prerequisite: FSL221Y1 or, upon first FRE/FSL enrolment, equivalent as determined by the French Placement Test

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### **FRE273H1 Introduction to the History of the French Language [36L]**

A discovery of a long and fascinating history, stretching from the spoken Latin of the Gauls to the many varieties of French found today all over the world via the investigation of the social, political and cultural causes of language change. Our focus includes topics such as medieval bilingualism, the regulation of language through the Académie française, the political use of the French language, the emergence of the Francophonie and modern Canadian French.

Prerequisite: FSL 221Y1 or, upon first FRE/FSL enrolment, equivalent as determined by the French Placement Test.

Recommended Preparation: FRE272H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### **FRE274H1 Introduction to the Linguistic Analysis of French [24L/12T]**

An analytical study of contemporary French phonetics and phonology, morphology, syntax and semantics. This course is designed to prepare students for more advanced study of French linguistics at the 300 and 400 levels.

Prerequisite: FRE272H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### **FRE376H1 French Phonology and Phonetics [24L]**

A study of the phonological system of modern French based on actual samples of speech taken from different regional varieties and socio-economic groups.

Prerequisite: FRE272H1 + FRE274H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### **FRE378H1 French Syntax [24L]**

A study of the distribution and relationships of the syntagmatic components of contemporary French; of sentential structure, including the principles of coordination, subordination and expansion; and of major theoretical approaches.

Prerequisite: FRE272H1 + FRE274H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### **FRE379H1 Sociolinguistics of French [24L]**

The relationship between language use and social factors such as socio-economic status, social context and gender of speaker. Theoretical notions are derived through the analysis of specific data, focusing on Canadian French and other varieties spoken in the Americas.

Prerequisite: FRE272H1 + FRE383H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

### **FRE383H1 Experimental and Quantitative Methods for the Study of French [24L]**

An introduction to the foundations of quantitative analysis and experimental research on French. Topics include differences between quantitative and qualitative analyses; hypothesis formulation; experimental design; and data collection and analysis including basic statistical methods. Phenomena investigated come from Canadian and European varieties as well as studies of second language learners.

Prerequisite: FRE272H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

### **FRE386H1 French Semantics [24L]**

Various approaches to the notion of meaning; its functioning at all levels of representation. (Not offered in 2016-17; offered in alternate years)

Prerequisite: FRE272H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### **FRE387H1 French Morphology [24L]**

A study of the morphological system of modern French, its relationship to syntax and phonology; theoretical notions derived from the analysis of specific data.

Prerequisite: FRE272H1 + FRE274H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### **FRE388H1 Bilingualism and second language acquisition of French [24L]**

An overview of the cognitive aspects of bilingualism and language acquisition among early and late bilingual French speakers. Topics will include psycholinguistic processing and representation in the multilingual mind; the role and analysis of input in second language acquisition; patterns of interlanguage grammatical development; the nature and sources of intra and interlearner variation; and the effect of instruction on learning.

Prerequisite: FRE272H1 + FRE383H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **FRE471H1 Medieval French Language [24S]**

This course aims to assure an understanding of Old French, to read most of the medieval texts. From a selection of texts, it explores the form of the language in various centuries and regions and provide a basis for understanding the history of French language. This course is also listed in the offerings of the Graduate department of French.

Prerequisite: FRE272H1/FRE273H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **JFL477H1 Issues in French and Linguistics I [24S]**

An advanced seminar on issues of current theoretical relevance in linguistics, with a special reference to French. This course is taught in English. For course descriptions, see the Departmental web site at: [http://www.french.utoronto.ca/undergraduate/courses/french\\_linguistics](http://www.french.utoronto.ca/undergraduate/courses/french_linguistics).

Prerequisite: Any two 300+ series LIN or FRE linguistics courses.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **JFL478H1 Issues in French and Linguistics II [24S]**

An advanced seminar on issues of current theoretical relevance in linguistics with special reference to French. This course is taught in English. (Not offered in 2016-17; offered in alternate years).

Prerequisite: Any 300+ series LIN or FRE Linguistics course

Prerequisite: Any two 300+ series LIN or FRE Linguistics course

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **FRE487H1 Advanced Topics in Bilingualism and L2 acquisition [24S]**

This course will examine how theories of speech perception and production can contribute to our understanding of the acquisition of French phonetics and phonology by non-native speakers. It also provides indepth, practical training in methodological design and quantitative analysis culminating in students' undertaking of individual experimental studies. (Not offered in 2016-17; offered in alternate years).

Prerequisite: FRE376H1 + FRE378H1 + FRE383H1 + FRE388H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **FRE488H1 Special Topics in Advanced Linguistics I: [24S]**

An advanced seminar on a specific aspect of French linguistics.

Prerequisite: Varies according to particular course offering; consult the French Studies Undergraduate brochure

([www.french.utoronto.ca/undergraduate](http://www.french.utoronto.ca/undergraduate)) for exact prerequisites.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **FRE489H1 Special Topics in Advanced Linguistics II [24S]**

An advanced seminar on a specific aspect of French linguistics.

Prerequisite: Varies according to particular course offering; consult the French Studies Undergraduate brochure

([www.french.utoronto.ca/undergraduate](http://www.french.utoronto.ca/undergraduate)) for exact prerequisites

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **Independent Study Courses**

## **FRE490Y1 Senior Essay**

A research project on a literary, linguistic, or second language learning topic to be proposed by the student and supervised by a Faculty member, culminating in a major research paper. Not eligible for CR/NCR option.

Prerequisite: Any 300+ FRE Linguistics/Literature/Second Language Learning course. Permission of Department.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **FRE491H1 Independent Study**

A research project on a literary, linguistic, or second language learning topic to be proposed by the student and supervised by a Faculty member on a topic of common interest, including readings, discussions, papers. Not eligible for CR/NCR option.

Prerequisite: Any 300+ FRE Linguistics/Literature/Second Language Learning course. Permission of Department.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **FRE492H1 Independent Study**

A research project on a literary, linguistic, or second language learning topic to be proposed by the student and supervised by a Faculty member on a topic of common interest, including readings, discussions, papers. Not eligible for CR/NCR option.

Prerequisite: Any 300+ FRE Linguistics/Literature/Second Language Learning course. Permission of Department.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **French as a Second Language Courses (FSL)**

The following is a guide for beginners in French.

1. No knowledge of French: **FSL100H1**. Students enrolled in **FSL100H1**, whose command of French raises doubt about their *bona fides* as beginners, will be asked to do the online placement test and may be moved to a higher level FSL course.
2. Very limited knowledge of French (Placement Test required): **FSL102H1**

Please note that FSL100H1, FSL102H1 and FSL121Y1 do not count towards any of the French programs but can be used as breadth requirements.

### **Important policies re French as a Second Language (FSL) courses**

The following policies must be respected when registering for French courses. Failure to do so may result in students being automatically withdrawn by the Department from the course in which they are registered:

#### **1) Determining the appropriate level of one's first French course:**

The Department places students in the language course appropriate to their level of linguistic competence based on the results of its Placement Test. Given that 100, 200, 300 and 400-level FSL courses correspond to levels of competence in French and not to years of study as is the case with FRE courses, a student may be recommended to enroll in a course at a higher level than his/her year of study. The Placement Test, available at [www.lang.utoronto.ca/placement/french](http://www.lang.utoronto.ca/placement/french), is mandatory for all students who wish to register in an FRE or FSL course for the first time (except true beginners with no knowledge of French who may enroll directly in FSL100). The Test can be taken only **ONCE** and the results of the first test will prevail in the event of multiple attempts. Ideally, the Placement Test should be taken in the term preceding the one of the course students wish to register in (e.g., for a course starting in September, students should take the Placement Test in the summer

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term, prior to their registration date on ACORN and before the beginning of classes). Please allow three to five working days to obtain the test results.

**2) Sequencing:** Students are reminded that they must take FSL courses in the appropriate sequencing (100>200>300>400). In particular,

- If placed at a higher level than FSL221Y1 by the Placement Test, students must take FSL271H1 before any FSL300 or 400-level course.
- Students currently registered in or having completed FSL321Y1, FSL375Y1 or any 400-level FSL course cannot take FSL362H1, FSL363H1, and FSL364H1.

**3) Auditing:** No auditing is allowed in FSL courses.

## **FSL100H1 French for Beginners [24L/12T]**

An intensive basic course in spoken and written French for students who have no knowledge of French: comprehension, speaking, reading, and writing.

Exclusion: FSL102H1 and higher.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FSL102H1 Introductory French [24L/12T]**

An intensive basic course in spoken and written French for students who have studied some French, but who have not yet attained the entry level for FSL121Y1.

Prerequisite: FSL100H1 or, upon first FRE/FSL enrolment, equivalent as determined by the French Placement Test.

Exclusion: FSL121Y1 and higher.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FSL121Y1 French Language I [96L]**

Intended for students having some knowledge of French but wishing to increase their proficiency to that of normal University entrance. Offers training in written and spoken French; reinforcement of reading comprehension and aural abilities; and an introduction to French-Canadian and Québécois cultures.

Prerequisite: FSL102H1, or, upon first FRE/FSL enrolment, equivalent as determined by the French Placement Test.

Exclusion: FSL221Y1 and higher.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FSL221Y1 French Language II [72L]**

Focuses on developing greater complexity in student's production (sentence structure including subordination; verb tense and agreement; difficult sounds and prosodic fluency), and comprehension (analysis of word order-meaning relations; understanding temporal relations and thematic elements). Overview of francophone media and cultural institutions including cinema and festivals.

Prerequisite: FSL121Y1 or, upon first FRE/FSL enrolment, equivalent as determined by the French Placement Test.

Exclusion: FSL321Y1 and higher

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FSL271H1 French Grammar, within Reason [36L]**

An introduction to basic concepts of the French grammar from an analytic and descriptive point of view. Exploration of traditional grammar concepts such as subject, predicate, complement. This course provides understanding of the logic that is often hidden by the apparent complexity of grammatical rules.

Prerequisite: FSL121Y1 or, upon first FRE/FSL enrolment, equivalent as determined by the French Placement Test

Exclusion: FSL321Y1 and higher.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FSL321Y1 French Language III [72L]**

Develops further students' written/speaking and comprehension/listening abilities by focussing on greater sentential and lexical complexity.

Particular attention is paid to norms (contextually-appropriate (in)formality; particularities of French spelling and punctuation; differences between Canadian and European varieties). Investigation of linguistic, political and cultural aspects of the francophonie.

Prerequisite: FSL221Y1 (63%) or, upon first FRE/FSL enrolment, equivalent as determined by the French Placement Test

Exclusion: FSL375Y1 and higher. May not concurrently take FSL 362H, FSL 363H, FSL 364H.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FSL350Y0 French Language and Culture [TBA]**

The course will be part of an international agreement between the University of Toronto and the University of Nice. Students will be taking the course in Nice.

Prerequisite: Any 200-series FRE course or FSL221Y1Y (minimum 63%)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FSL362H1 Writing French: the Language of the Media [36L]**

Using current online French media, broaden your understanding of the French language; deepen your grammatical knowledge; expand your vocabulary (including idioms); review key aspects of French syntax; and fine-tune your reading skills in French. Weekly reading and writing workshops are an integral part of this course.

Prerequisite: FSL221Y (63%) or, upon first FRE/FSL enrolment equivalent as determined by the French Placement Test.

Exclusion: FSL321Y1 and higher.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FSL363H1 French for the Workplace [36L]**

Students will accomplish a variety of professional tasks and develop effective oral and written communication skills as well as acquire a deeper knowledge of the culture of the workplace in French-speaking communities: magazines, internet, video-clips. Emphasis on the study of professional terminology, correspondence formulae and professional practices of the workplace

Prerequisite: FSL221Y (63%) or, upon first FRE/FSL, enrolment equivalent as determined by the French Placement Test

Exclusion: FSL321Y1 and higher.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FSL364H1 French for the Arts [36L]**

Introduction to the study of central themes in French artistic expression, designed to familiarize students with key concepts and vocabularies relevant to the subject. Study of modes of artistic representation, (visual, performing arts) and their contribution to the rich heritage and identity of French culture. Observation, description and analysis of various artistic mediums.

Prerequisite: FSL221Y1Y (63%) or, upon first FRE/FSL enrolment equivalent as determined by the French Placement Test

Exclusion: FSL321Y1 and higher.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FSL375Y1 Practical Translation: French-English [48L]**

A comparative study of the characteristics of French and English expression and how they pertain to the problems of translation.

Prerequisite: any FSL300Y (1.0 FCE) or any FRE 200 (1.0 FCE)course.

Exclusion: FSL421Y1 and higher.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FSL421Y1 French Language IV [72L]**

An advanced course in French including the reading and discussion of texts focussing on the francophone presence and influence in the international context. Emphasis is placed on mastery of complex linguistic skills via use of a variety of reference tools and self-correction.

Prerequisite: FSL321Y1 or, upon first FRE/FSL enrolment, equivalent as determined by the French Placement Test.

Exclusion: FSL442H1, FSL443H1.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FSL442H1 French Language V: Written French [36L]**

Designed for students who wish to consolidate and perfect their writing abilities. Skills developed include the mastery of register-based differences; use of rhetorical and stylistic techniques; systematic self-correction; and the advanced use of reference tools including on-line dictionaries. (Not offered in 2016-17; offered in alternate years)

Prerequisite: FSL421Y1 or, upon first FRE/FSL enrolment, equivalent as determined by the French Placement Test

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FSL443H1 French Language V: Oral French [36L]**

Designed for students who wish to consolidate and perfect their speaking abilities. This is accomplished through the preparation of longer oral productions involving a rich vocabulary and contextually-appropriate speech registers. Focus on overall pronunciation including fine phonetic detail and fluency.

Prerequisite: FSL421Y1 or, upon first FRE/FSL enrolment, equivalent as determined by the French Placement Test.

Exclusion: Not open to fluent or native speakers of French.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FSL472H1 Reading and Writing Fiction and Non-Fiction in French [36L]**

Hybrid course designed for students who wish to further develop their reading and writing skills in French. Through a combination of traditional classroom time and online instruction, students will acquire analytic tools to comprehend, analyze and write fiction and non-fiction texts.

Multimedia approach to understanding the cultural experiences of francophone world.

Prerequisite: FSL375Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FSL473H1 Oral French in Context [36L]**

This course is designed for students who wish to consolidate and perfect their speaking and listening abilities: focuses on various aspects and difficulties that come with speaking and understanding French in real-life situations. Students will strengthen their mastery of French and acquire the confidence they need for a professional environment.

Prerequisite: FSL375Y1

Exclusion: Not open to fluent or native speakers of French.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **Second Language Learning Courses**

### **FRE225Y1 Second Language Learning (formerly JFI225Y1) [48L]**

A theoretical and practical consideration of the ways we learn a second language, with a historical overview and critical evaluation of the various methodologies that have been developed; the role of cultural studies in language learning; practical evaluation and development of syllabus, course and text materials.

Prerequisite: FSL 221Y1 or, upon first FRE/FSL enrolment, equivalent as determined by the French Placement Test.

Exclusion: JFI225Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### **FRE384H1 Teaching French as a Second Language [24L]**

This course provides an introduction to the communicative approach in recent methods and pedagogical materials published in France and in North America. Emphasis is put on the various interpretations of the communicative approach in teaching FSL, with reference to theoretical issues and historical background.

Prerequisite: FRE272H1 + FSL321Y1 + FRE225Y1 (JFI225Y1)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **FRE483H1 Teaching French in Context: Language, Culture, and Society [24L]**

The course investigates the relation between language, society and culture and study in depth various aspects of French and Francophone civilization, with particular focus on the development and integration of materials for use in the classroom by using contemporary texts and audio-visual documents.

Prerequisite: FRE384H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **FRE485H1 Teaching Young People's Literature [24L]**

Analysis of bibliographical tools available for the selection of literary materials for the FSL classroom. Study of representative works of interest to young people such as novels, detective stories, cartoons, with special emphasis on socio-cultural aspects. Critical analysis of various pedagogical approaches useful for the Experiential Learning component: students participate in a school internship.

Prerequisite: FRE384H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## Faculty

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### Professors Emeriti

L.S. Bourne, MA, Ph D, FRSC, DES Hons  
J.N.H. Britton, MA, Ph D  
R.B. Bryan, BA Ph D  
I. Burton, Ph D, FRSC  
A.J. Dakin, Ph D, ARIBA, FRTPI  
J.H. Galloway, MA, Ph D (V)  
E.C. Relph, M Phil, Ph D  
S.T. Roweis, M Sc (PI), Ph D (I)  
J.W. Simmons, MA, Ph D  
A. Waterhouse, M Sc (PI), Ph D  
J.B.R. Whitney, MA, Ph D

### Associate Professor Emeritus

A. M. Davis, PhD

### Associate Professor and Chair of the Department, Graduate Chair

V.W. Maclaren, M PI, MS, PhD

### Professors

J.M. Chen, B Sc, Ph D, FRSC  
A.G. Daniere, MPP, Ph D  
J.R. Desloges, M Sc, Ph D  
M.S. Gertler, MCP, Ph D, FRSC  
J. Hackworth, MA, MEP, Ph D  
L.D.D. Harvey, M Sc, Ph D  
D. Leslie, MA, Ph D  
R.D. Lewis, MA, Ph D  
W.S. Prudham, MA, Ph D  
K.N. Rankin, MRP, Ph D  
S. Ruddick, MA, Ph D  
T. Smith, M Sc, Ph D

### Associate Professors

A. Boland, MAIS, Ph D  
D. Cowen, MScPI, Ph D  
R.J. DiFrancesco, MA, Ph D  
M. Farish, BA, Ph D  
E. Gilbert, MA, Ph D  
K. Goonewardena, M PI, Ph D  
P. Hess, MEP, Ph D  
D. McGregor, MES, Ph D  
M. Siemiatycki, M Sc, Ph D  
R. Silvey, MA, Ph D  
S. Wakefield, MA, Ph D

### Associate Professor, Teaching Stream

D. Boyes, M Sc, Ph D

### Assistant Professors

C. Abizaid, MA, Ph D  
J. Liu, Ph D  
N. Singh, MFM, Ph D  
M. Widener, MSc, Ph D  
J. Zhang, MS, Ph D

## Introduction

Geography is the study of the environments created on the earth's surface by nature and people. The physical and biological elements of these environments, as well as their economic and social structure, historical development, spatial organization, interrelationships, management and planning form the subject matter of Geography. Geography, therefore, relates closely to other fields in natural science, social science and the humanities, and geographers take courses in these related fields along with their geography courses. Students specializing in other subjects often select one or more geography courses to deepen their understanding of the resource base, culture and economy of those parts of the world in which they are interested.

Employment opportunities for geographers exist in many branches of international organizations, government, industry, and education. Geographers work at all levels of government service, especially in agencies responsible for environmental management; land and resource analysis; development of historic districts and sites; urban transportation planning; urban and regional development planning; trade promotion; community social services; geographic systems design and data analysis; transport network design and the processing of archival, survey, and cartographic information. In business, geographers work in marketing, locational analysis, resource development, and in consulting firms engaged in project evaluation, land use planning and natural heritage conservation. They often also find work in the non-profit sector as policy analysts, cartographers and geographic information science specialists, community organizers, and educators.

Students studying Geography may take either an H.B.A. or H.B.Sc., depending upon the subjects they wish to emphasize. The Department offers Specialist, Major and Minor Programs in Geography, and contributes courses to various departmental and college programs including American Studies; Anthropology; Archaeology; Canadian Studies and Peace and Conflict Studies; Equity Studies; School of the Environment; Environmental Geosciences; Urban Studies; Ethics, Society and Law and International Relations; and European Studies. Counselling and advice may be obtained from the Associate Chair, Undergraduate or the Undergraduate Counsellor.

Associate Chair, Undergraduate:

Professor R. Lewis, Sidney Smith Hall, Room 5003 (416-978-1590)

Undergraduate Counsellor:

K. Giesbrecht, Sidney Smith Hall, Room 5044 (416-978-6455)

General Enquiries: 416-978-3375

## Geography Programs

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For 2016-17

Admission to major and specialist programs will be determined by a student's mark in 0.5-1.0 GGR FCEs at the 100 and/or 200 level. See program descriptions for details on the entry requirements. These are limited enrolment programs that can only accommodate a limited number of students. Achieving the marks required does not necessarily guarantee admission to the program in any given year.

Double majors in Geography may only overlap 1.0 FCE. Students combining any of our Minor programs with a Specialist/Major program would normally be allowed to overlap only 1.5 FCEs towards both programs. Students that choose to specialize or major in one of the three Geography programs cannot minor in the same program but may do so in another Geography program. Double minors can overlap 1.0 FCE.

Generally, students may only take 1.0 Independent Research Project



FCE toward their program requirements.

## Environment & Energy Minor (Science Program)

### Environment and Energy (Science Program) –Joint Program with the School of the Environment

Note: Students combining this program with a Specialist/Major sponsored by the Department of Geography will normally be allowed to count only 1.5 (of the 4.0) FCEs towards both programs.

Jointly sponsored by the School of the Environment and the Department of Geography, this interdisciplinary program addresses the scientific, technological, environmental and policy aspects of energy use and supply, with a focus on the reduction of environmental impacts.

Minor Entry Requirements: Note that the four full course equivalents that constitute the Minor Program are those listed below under "Higher Years." Consult David Powell, Undergraduate Student Advisor, School of the Environment, Room 1049A, Earth Sciences Centre, 416-946-8100 or david.powell@utoronto.ca

Number of half courses	Courses	FCEs
A: First Year: At least 2 FCE from among	(MAT135H1, MAT136H1)/MAT137Y1 and at least one FCE from among CHM138H1/CHM136H1, CHM139H1/CHM135H1, CHM151Y1, PHY131H1, PHY132H1, PHY151H1, PHY152H1	
B: All	ENV221H1, ENV222H1/GGR223H1	1.0
C: All	ENV346H1, ENV350H1, ENV450H1	1.5
D: Any 2 of	GGR310H1/FOR310H1, GGR314H1, GGR347H1, GGR348H1	1.0

E: Any 1 of	CHM210H1, CHM310H1, CHM415H1, ENV237H1, ENV238H1, FOR410H1, GGR203H1, GGR314H1 (if not taken for section D), HPS313H1, PHY231H1, PHY250H1	0.5
<b>Total</b>		<b>4.0</b>

### Environmental Geography Specialist (Arts program)

A focus on the human-environment nexus is most explicit in these programs. Students learn about the social, spatial, and biophysical processes that shape society's relationship to nature, management of resources, and contemporary environmental change. These programs appeal to non-science students who seek an environmental program that allows them to learn more about the natural processes that interact with social factors in shaping environments. These programs offer training in quantitative and qualitative research methods, including GIS and Remote Sensing.

Specialist Entry Requirements:

Admission will be determined by one of the following:

0.5 GGR FCE's at the 100 or 200 level with a final mark of 77% or 1.0 GGR FCE's at the 100 and/or 200 level with a final mark of 70% in each course.

Jointly-offered GGR courses will also be considered (e.g. JEG, JGI, JGE). This is a limited enrolment program that can only accommodate a limited number of students. Achieving these marks does not necessarily guarantee admission to the program in any given year.

Number of half courses	Courses	FCEs
First Year Geography Courses: Any 2	GGR107H1 (recommended), (GGR100H1 or JEG100H1), GGR101H1, GGR112H1, GGR124H1 (or other GGR course with permission of the Department)	1.0

# Geography

Physical and Environmental Geography Courses: Any 2	GGR201H1, GGR203H1, GGR205H1, GGR206H1, GGR305H1, GGR308H1, GGR314H1, GGR347H1, GGR348H1, ENV200H1, ENV234H1	1.0
Methods & Core: All	GGR223H1, GGR270H1, GGR271H1, GGR272H1, JGE331H1	2.5
Regional Geography Courses: Any 1	GGR240H1, GGR246H1, GGR254H1, GGR341H1, GGR342H1, GGR343H1,	0.5
Fourth Year Courses: Either	GGR491Y1 or one of GGR416H1, GGR492H1, GGR497H1 and one additional 0.5 FCE 400 level course from Group A or Group B (below)	1.0
Applications: Any 8 half courses or equivalent	Up to 4.0 FCE from Group A; up to 1.5 FCE can be from Group B; up to 1.0 FCE can be from Group C. (below)	4.0
Note: At least 4.0 FCEs must be 300/400 series courses. Of these, at least 1.0 FCE must be 400 series.		
<b>Total</b>		<b>10.0</b>

## Environmental Geography Major (Arts program)

Major Entry Requirements:

Admission is based on one of the following:

0.5 GGR FCE's at the 100 or 200 level with a final mark of 73% or 1.0 GGR FCE's at the 100 and/or 200 level with a final mark of 67% in each course.

Jointly-offered GGR courses will also be considered (e.g. JEG, JGI, JGE). This is a limited enrolment program that can only accommodate a limited number of students. Achieving these marks does not necessarily guarantee admission to the program in any given year.

Number of half courses	Courses	FCEs
First Year Geography Courses: Any 2	GGR107H1 (recommended), (GGR100H1 or JEG100H1), GGR101H1, GGR112H1, GGR124H1 (or other GGR course with permission of the Department)	1.0
Physical and Environmental Geography Courses: Any 2	GGR201H1, GGR203H1, GGR205H1, GGR206H1, GGR305H1, GGR308H1, GGR314H1, GGR347H1, GGR348H1, ENV200H1, ENV234H1	1.0
Methods & Core Courses: All	GGR223H1, GGR270H1, GGR271H1	1.5
Regional Geography Courses: Any 1	GGR240H1, GGR246H1, GGR254H1, GGR341H1, GGR342H1, GGR343H1	0.5
Fourth Year Course: Any 1	0.5 FCE at the 400 level from Group A (below)	0.5

Applications: Any 5 half courses or equivalent	Up to 2.5 FCE from Group A; up to 1.0 FCE can be from Group B; up to 0.5 FCE can be from Group C (below)	2.5
Note: At least 2.0 FCEs must be 300/400 series courses. Of these, at least 0.5 FCE must be 400 series (includes Req E).		
<b>Total</b>		<b>7.0</b>

### Environmental Geography Minor (Arts program)

Minor Entry Requirements: There are no entry requirements for this program

Number of half courses	Courses	FCEs
First Year Geography Courses: Any 1	GGR107H1 (recommended), (GGR100H1 or JEG100H1), GGR101H1, GGR112H1, GGR124H1 1 (or other GGR course with permission of the Department)	0.5
Core Course: All	GGR223H1	0.5
Physical and Environmental Geography Courses: Any 1	GGR201H1, GGR203H1, GGR205H1, GGR206H1, GGR305H1, GGR308H1, GGR314H1, GGR347H1, GGR348H1, ENV200H1, ENV234H1	0.5
Applications: Any 5 half courses or equivalent	Up to 2.5 FCE from Group A; up to 1.0 FCE from Group B (below)	2.5
Note: At least 1.0 FCE must be 300/400 series courses.		

<b>Total</b>		<b>4.0</b>
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## Environmental Geography Groups

### GROUP A (Geography Courses)

GGR201H1, GGR203H1, GGR205H1, GGR206H1, GGR223H1, GGR272H1, GGR273H1, GGR301H1, GGR305H1, GGR308H1, GGR310H1/FOR310H1, GGR314H1, GGR321H1, GGR329H1, GGR334H1, GGR337H1, GGR338H1, GGR340H1, GGR341H1, GGR347H1, GGR348H1, GGR373H1, GGR381H1, GGR405H1, GGR413H1, GGR414H1, GGR416H1, GGR418H1, GGR419H1, GGR434H1, GGR438H1, GGR491Y1, GGR492H1, GGR493Y1 (based on internship), GGR497H1, GGR498H1; JFG470H1, JFG475H1; JGE321H1, JGE331H1; JUG320H1

### GROUP B (School of the Environment courses)

ENV200H1, ENV234H1, ENV307H1, ENV323H1, ENV333H1, ENV335H1, ENV350H1, ENV422H1

### GROUP C

Any other geography courses at the 200/300/400 level not listed in Group A

### Human Geography Specialist (Arts program)

The Human Geography programs provide the opportunity to learn about the relations between landscapes, places, people and nature, and the spatial organization of human activities. While students are encouraged to explore the breadth of the discipline, we also identify courses by theme for students who wish to develop expertise in one or two subfields (e.g., urban geography, cultural and historical geography). The Human Geography programs appeal to students who wish to develop an integrative understanding of the cultural, economic, political and social forces that shape how people use and experience the environments they live in. These programs offer training in quantitative and qualitative research methods, including GIS and Remote Sensing.

Specialist Entry Requirements:

Admission will be determined by one of the following:

0.5 GGR FCE's at the 100 or 200 level with a final mark of 77% or 1.0 GGR FCE's at the 100 and/or 200 level with a final mark of 70% in each course.

Jointly-offered GGR courses will also be considered (e.g. JEG, JGI, JGE). This is a limited enrolment program that can only accommodate a limited number of students. Achieving these marks does not necessarily guarantee admission to the program in any given year.

Number of courses	Courses	FCEs
First Year Geography Courses: Any 2	(GGR100H1 or JEG100H1), GGR101H1, GGR107H1, GGR112H1, GGR124H1 (or 1.0 other GGR courses with permission of Department)	1.0

# Geography

Physical and Environmental Geography Course: Any 1 not used to satisfy First Year Requirement.	(GGR100H1 or JEG100H1), GGR101H1, GGR201H1, GGR203H1, GGR205H1, GGR206H1, GGR223H1	0.5
Methods Courses: All 3	GGR270H1, GGR271H1, GGR272H1	1.5
Regional Geography Course: Any 1	GGR240H1, GGR246H1, GGR254H1, GGR341H1, GGR342H1, GGR343H1	0.5
Fourth Year Courses: Any 2	Any two 400 series GGR courses, at least one of which must be from Group E (below). Up to 0.5 FCE can be used from GGR493Y1 based on internship.	1.0
Applications: Any 11 half courses or equivalent	Up to 5.5 FCE's from Group E (below); Up to 1.5 FCE's can be from Group F	5.5
Note: At least 4.0 FCEs must be 300/400 series courses. Of these, at least 1.0 FCE must be 400 series.		
<b>Total</b>		<b>10.0</b>

## Human Geography Major (Arts program)

Major Entry Requirements:

Admission is based on one of the following:

0.5 GGR FCE's at the 100 or 200 level with a final mark of 73% or 1.0 GGR FCE's at the 100 and/or 200 level with a final mark of 67% in each course.

Jointly-offered GGR courses will also be considered (e.g. JEG, JGI, JGE). This is a limited enrolment program that can only accommodate a limited number of students. Achieving these marks does not necessarily guarantee admission to the program in any given year.

Number of courses	Courses	FCEs
First Year Geography Courses: Any 2	(GGR100H1 or JEG100H1), GGR101H1, GGR107H1, GGR112H1, GGR124H1 (or 1.0 other GGR courses with permission of Department)	1.0
Physical and Environmental Geography Course: Any 1 not used to satisfy First Year Courses	(GGR100H1 or JEG100H1), GGR101H1, GGR201H1, GGR203H1, GGR205H1, GGR206H1, GGR223H1	0.5
Methods Courses: All	GGR270H1, GGR271H1	1.0
Regional Geography Course: Any 1	GGR240H1, GGR246H1, GGR254H1, GGR341H1, GGR342H1, GGR343H1	0.5
Fourth Year Course: Any 1	Any 400 series course from Group E (below)	0.5
Applications: Any 7 half courses or equivalent	Up to 3.5 FCE's from Group E (below); Up to 1.0 FCE's can be from Group F	3.5
Note: At least 2.0 FCEs must be 300/400 series courses. Of these, at least 0.5 must be 400 series.		
<b>Total</b>		<b>7.0</b>

## Human Geography Minor (Arts program)

Minor Entry Requirements: There are no entry requirements for this program

Number of courses	Courses	FCEs
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First Year Geography Courses: Any 2	(GGR100H1 or JEG100H1), GGR101H1, GGR107H1, GGR112H1, GGR124H1 (or 1.0 other GGR courses with permission of Department)	1.0
Applications: Any 6 half courses or equivalent	Three other higher level GGR/JFG/JGE/JGI/JUG social science or humanities FCE's, including at least 1.0 FCE of 300/400-series courses Up to 0.5 FCE can be from Group F	3.0
<b>Total</b>		<b>4.0</b>

GGR361H1, GGR372H1, GGR374H1, GGR381H1, GGR382H1, GGR424H1, GGR431H1, GGR433H1, GGR434H1, GGR457H1, GGR458H1, GGR482H1; JGI216H1, JGI346H1, JGI454H1

*Social and Economic Geography:* GGR107H1, GGR112H1, GGR124H1, GGR216H1, GGR220H1, GGR221H1, GGR223H1, GGR240H1, GGR241H1, GGR246H1, GGR251H1, GGR252H1, GGR254H1, GGR320H1, GGR323H1, GGR326H1, GGR327H1, GGR328H1, GGR329H1, GGR336H1, GGR340H1, GGR341H1, GGR342H1, GGR343H1, GGR352H1, GGR356H1, GGR357H1, GGR359H1, GGR360H1, GGR361H1, GGR363H1, GGR372H1, GGR374H1, GGR418H1, GGR419H1, GGR420H1, GGR421H1, GGR424H1, GGR430H1, GGR431H1, GGR438H1, GGR439H1, GGR452H1, GGR482H1; JGE331H1; JGI216H1

*Political Geography:* GGR112H1, GGR124H1, GGR216H1, GGR221H1, GGR225H1, GGR241H1, GGR320H1, GGR321H1, GGR327H1, GGR328H1, GGR339H1, GGR352H1, GGR363H1, GGR418H1, GGR419H1, GGR420H1, GGR421H1, GGR438H1, GGR439H1, GGR452H1, GGR457H1; JGE331H1; JGI216H1, JGI346H1; JUG320H1

*Geography of Canada:* GGR240H1, GGR246H1, GGR321H1, GGR336H1, GGR339H1, GGR357H1, GGR374H1, GGR457H1, GGR482H1; JGI346H1; JUG320H1

*Environment:* GGR107H1, GGR223H1, GGR240H1, GGR314H1, GGR321H1, GGR323H1, GGR329H1, GGR334H1, GGR337H1, GGR338H1, GGR340H1, GGR341H1, GGR343H1, GGR360H1, GGR372H1, GGR381H1, GGR416H1, GGR418H1, GGR419H1, GGR421H1, GGR434H1, GGR438H1, GGR462H1, GGR473H1; JFG470H1, JFG475H1; JGE321H1, JGE331H1; JUG320H1

*Planning:* GGR124H1, GGR216H1, GGR217H1, GGR225H1, GGR241H1, GGR334H1, GGR336H1, GGR338H1, GGR339H1, GGR340H1, GGR343H1, GGR356H1, GGR357H1, GGR359H1, GGR361H1, GGR372H1, GGR374H1, GGR381H1, GGR382H1, GGR416H1, GGR424H1, GGR431H1, GGR433H1, GGR434H1, GGR457H1, GGR458H1, GGR482H1; JGI216H1, JGI346H1, JGI454H1

## Human Geography Groups

### GROUP E Optional courses for Human Geography:

GGR216H1, GGR217H1, GGR220H1, GGR221H1, GGR223H1, GGR225H1, GGR240H1, GGR241H1, GGR246H1, GGR251H1, GGR252H1, GGR254H1, GGR272H1, GGR273H1, GGR299Y1, GGR300H1, GGR314H1, GGR320H1, GGR321H1, GGR323H1, GGR326H1, GGR327H1, GGR328H1, GGR329H1, GGR334H1, GGR336H1, GGR338H1, GGR339H1, GGR340H1, GGR341H1, GGR342H1, GGR343H1, GGR352H1, GGR356H1, GGR357H1, GGR359H1, GGR360H1, GGR361H1, GGR363H1, GGR372H1, GGR373H1, GGR374H1, GGR381H1, GGR382H1, GGR400H1, GGR416H1, GGR418H1, GGR419H1, GGR420H1, GGR421H1, GGR424H1, GGR430H1, GGR431H1, GGR433H1, GGR434H1, GGR438H1, GGR439H1, GGR452H1, GGR457H1, GGR458H1, GGR462H1, GGR473H1, GGR482H1, GGR491Y1, GGR492H1, GGR492Y1, GGR493Y1 (depending on internship), GGR497H1, GGR499H1; JGE321H1, JGE331H1; JUG320H1; JGI216H1, JGI346H1, JGI454H1; JFG470H1, JFG475H1

### Group F (Optional science courses)

GGR201H1, GGR203H1, GGR205H1, GGR206H1, GGR301H1, GGR305H1, GGR308H1, GGR310H1/FOR310H1, GGR337H1, GGR347H1, GGR348H1, GGR405H1, GGR413H1, GGR498H1

### Course Clusters

Students may wish to choose courses from among one or more of the following clusters if they want to concentrate in a particular area within Human Geography, while fulfilling the overall requirements given above. These are not POSt requirements, but rather suggestions for students seeking guidance on how to navigate our course offerings.

*Cultural and Historical Geography:* GGR216H1, GGR240H1, GGR241H1, GGR246H1, GGR254H1, GGR321H1, GGR336H1, GGR341H1, GGR342H1, GGR343H1, GGR360H1, GGR361H1, GGR382H1, GGR421H1, GGR439H1, GGR482H1; JGI346H1; JUG320H1

*Urban Geography:* GGR112H1, GGR124H1, GGR216H1, GGR217H1, GGR240H1, GGR241H1, GGR246H1, GGR252H1, GGR254H1, GGR336H1, GGR338H1, GGR339H1, GGR340H1, GGR342H1, GGR343H1, GGR357H1, GGR359H1, GGR360H1,

### Physical and Environmental Geography Specialist (Science program)

Physical and Environmental Geography offers science-based programs for students interested in an integrative approach to understanding the earth's biotic and abiotic systems, including their spatial dynamics and the ways they are altered by human action. The programs provide a foundation in the subfields of climatology, biogeography, hydrology, and geomorphology. Students gain practical experience in lab and field settings. Technical skills taught also include data analysis, geospatial analytical tools, including GIS and Remote Sensing.

Specialist Entry Requirements:

Admission will be determined by one of the following:

0.5 FCE's at the 100 or 200 level with a final mark of 77% or 1.0 GGR FCE's at the 100 and/or 200 level with a final mark of 70% in each course.

Jointly-offered GGR courses will also be considered (e.g. JEG, JGI, JGE). This is a limited enrolment program that can only accommodate a limited number of students. Achieving these marks does not necessarily guarantee admission to the program in any given year.

Number of courses	Courses	FCEs
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# Geography

Introductory courses: Any 6 half courses or the equivalent	(GGR100H1 or JEG100H1), MAT133Y1/MAT135H1 /MAT136H1/MAT137Y 1/MAT157Y1, MAT223H1/MAT240H1 , MAT224H1/MAT247H1 , PHY131H1/PHY151H1, PHY132H1/PHY152H1, CHM138H1/CHM136H 1, CHM139H1/CHM135H 1, CHM151Y1, BIO120H1, BIO130H1, at least two of which must be Math or Phys half courses.	3.0
Core Courses: Any 4	GGR201H1, GGR203H1, GGR205H1, GGR206H1, up to one half course from Group H (below)	2.0
Regional Geography Courses: Any 1	GGR101H1, GGR240H1, GGR246H1, GGR254H1, GGR341H1, GGR342H1, GGR343H1	0.5
Methods Courses: All 4	GGR270H1, GGR272H1, GGR337H1, GGR390H1	2.0

Applications: Any 7	GGR273H1, GGR301H1, GGR305H1, GGR307H1, GGR308H1, GGR310H1/FOR310H1 , GGR314H1, GGR373H1, GGR347H1, GGR348H1, GGR416H1, (but no more than one of GGR273H1, GGR373H1), GGR493 Y1 (based on internship), any GGR course from the list for requirement B and F not already used; up to three half courses from Group I (below)	3.5
Fourth Year Courses: Any 2	GGR401H1, GGR405H1, GGR413H1, GGR414H1, GGR491Y1, GGR493Y1 (0.5 FCE can be used based on internship), GGR498H1, 400-series in Group I, but the total number of half courses from Group I (including 300-series courses) must not exceed 3	1.0
<b>Total</b>		<b>12.0</b>

## Physical and Environmental Geography Major (Science program)

### Major Entry Requirements:

Admission will be determined by one of the following:

0.5 GGR FCE's at the 100 or 200 level with a final mark of 73% or 1.0 GGR FCE's at the 100 and/or 200 level with a final mark of 67% in each course.

Jointly-offered GGR courses will also be considered (e.g. JEG, JGI, JGE). This is a limited enrolment program that can only accommodate a limited number of students. Achieving these marks does not necessarily guarantee admission to the program in any given year.

Number of courses	Courses	FCEs
Introductory Courses: Any 4 half courses or the equivalent	(GGR100H1 or JEG100H1), MAT133Y1/MAT135H1 /MAT136H1/MAT137Y1/MAT157Y1, MAT223H1/MAT240H1 , MAT224H1/MAT247H1 , PHY131H1/PHY151H1, PHY132H1/PHY152H1, CHM138H1/CHM136H1, CHM139H1/CHM135H1, CHM151Y1, BIO120H1, BIO130H1, at least two of which must be Math or Phys half courses.	2.0
Core Courses: Any 3	GGR201H1, GGR203H1, GGR205H1, GGR206H1	1.5
Regional Geography Course: Any 1	GGR101H1, GGR240H1, GGR246H1, GGR254H1, GGR341H1, GGR342H1, GGR343H1	0.5
Methods Courses: All 3	GGR270H1, GGR272H1, GGR390H1	1.5

Applications: Any 4	GGR273H1, GGR301H1, GGR305H1, GGR307H1, GGR308H1, GGR310H1/FOR310H1 , GGR314H1, GGR337H1, GGR373H1, GGR347H1, GGR348H1, GGR416H1,(but no more than one from GGR273H1, GGR373H1), GGR493Y1 (based on internship), any GGR course from the list for requirement B or F not already used; any one half course from Group I (below)	2.0
Fourth Year Course: Any 1 from	GGR401H1, GGR405H1, GGR413H1, GGR414H1, GGR491Y1, GGR493Y1 (0.5 FCE can be used based on internship), GGR498H1	0.5
<b>Total</b>		<b>8.0</b>

## Physical & Environmental Geography Minor (Science program)

Minor Entry Requirements: There are no entry requirements for this program

Number of courses	Courses	FCEs
First Year Geography Courses: Any 2	(GGR100H1 or JEG100H1), GGR101H1, GGR107H1, GGR112H1, GGR124H1	1.0

# Geography

Core Courses: Any 2	GGR201H1, GGR203H1, GGR205H1, GGR206H1	1.0
Methods Courses: 2	One of (GGR301H1/GGR305H1/GGR308H1) and one of (GGR272H1/GGR337H1)	1.0
Applications: Any 2	Two half courses from GGR201H1, GGR203H1, GGR205H1, GGR206H1, GGR301H1, GGR305H1, GGR307H1, GGR308H1, GGR310H1/FOR310H1, GGR314H1, GGR347H1, GGR348H1, GGR401H1, GGR405H1, GGR413H1; GGR414H1	1.0
<b>Total</b>		<b>4.0</b>

Students contemplating graduate studies are strongly urged to combine their Physical & Environmental Geography Major or Specialist with a Minor in Mathematics (involving calculus, linear algebra, and differential equations) and a Minor in a field of science related to their particular interests in physical geography (biology, chemistry, geology, or physics).

Groups H and I list courses from outside the Geography Department that can be applied to the requirements for the Physical and Environmental Geography Major (one course only) or the Specialist (up to 3 courses only); these courses are an option only for students that have the required pre-requisites.

## Geographic Information Systems Minor (Arts program)

The GIS program covers the on theoretical, technical and applied foundations for geographic information systems. Students learn methods for spatial data production, analysis and presentation using computer cartography, spatial analysis, remote sensing, and geovisualization. Problem solving and project design are emphasized in upper level courses, as students apply techniques to answer specific geographic questions. The GIS program is structured to provide a stand-alone minor for students in Geography and other disciplines seeking complementary skills in spatial analysis (e.g., field biology, archaeology).

Note: Students combining this program with a Specialist/Major sponsored by the Department of Geography will normally be allowed to count only 1.5 (of the 4.0) FCEs towards both programs.

Minor Entry Requirements: There are no entry requirements for this program

Number of courses	Courses	FCEs
First Year Geography Courses: Any 2 half courses	(GGR100H1 or JEG100H1), GGR101H1, GGR107H1, GGR112H1, GGR124H1 1 (or 1.0 other GGR courses with the permission of the Department)	1.0
Methods & Core Courses: All 4	GGR270H1, GGR272H1, GGR273H1, GGR373H1	2.0

## Physical & Environmental Geography Groups

**Group H:** Faculty of Arts & Science courses  
CHM217H1, CHM310H1; ESS221H1, ESS261H1; Faculty of Engineering: CHE210H1

**Group I**  
EEB319H1, EEB321H1, EEB324H1, EEB328H1, EEB330H1, EEB428H1; ENV346H1; ESS262H1, ESS311H1, ESS361H1, ESS461H1, ESS463H1, ESS464H1; FOR301H1, FOR305H1, FOR306H1, FOR417H1; JEE337H1; PHY392H1, PHY408H1

### Course Clusters

Students may wish to choose courses from among one or more of the following clusters if they wish to concentrate in a particular area within Physical & Environmental Geography (Science). These are not POST requirements, but rather suggestions for students seeking guidance on how to navigate our course offerings.

*Climate System and Climatic Change:* GGR203H1, GGR314H1, ENV346H1

*Land Surface Processes:* GGR100H1, GGR201H1, GGR205H1, GGR206H1, GGR301H1, GGR305H1, GGR413H1

*Environmental Physical Geography:* GGR101H1, GGR201H1, GGR203H1, GGR205H1, GGR206H1, GGR301H1, GGR308H1, GGR314H1, GGR405H1, GGR413H1



Applications: Any 2 half courses	GGR225H1, GGR337H1, GGR372H1, GGR413H1, GGR414H1, GGR462H1, GGR472H1, GGR473H1, GGR491Y1, GGR492H1, GGR493Y1 (0.5 FCE can be used based on internship), GGR497H1, GGR498H1, GGR499H1, JFG470H1, JFG475H1	1.0
Note: At least 1.0 FCE must be 300/400 series courses		
<b>Total</b>		<b>4.0</b>

Applications (NUS): Any 4	NUS250H0, NUS251H0, NUS252H0, NUS253H0, NUS254H0, NUS255H0, NUS256H0, NUS350H0, NUS351Y0, NUS352H0, NUS353H0, NUS354H0 (or other NUS course with permission of the department)	2.0
Note: At least 1.0 FCEs must be at the 300/400 level (from U of T or NUS)		
<b>Total</b>		<b>4.0</b>

### Asian Geographies (offered jointly with the National University of Singapore) Minor

Asian Geographies offers a structure exchange opportunity between the University of Toronto and National University of Singapore (NUS). This program allows students to study geographic themes through the lens of development and change in Asia. They complete half of this minor program while at National University of Singapore (NUS), selecting from courses there that locate geographic questions in a local or regional context.

This Type 3 minor program represents a unique opportunity to study geography in a different cultural environment. For more information, contact the Undergraduate Office and the Centre for International Experience (CIE, [www.cie.utoronto.ca](http://www.cie.utoronto.ca)). Students are advised to contact the U of T Geography Department in advance of going abroad to discuss course selection at NUS.

Number of courses	Courses	FCEs
First Year Geography Course: Any 1	(GGR100H1 or JEG100H1), GGR101H1, GGR107H1, GGR112H1, GGR124H1	0.5
Applications (UofT): Any 3	Other higher level GGR/JGE/JGI/JFG/JU G courses	1.5

## Geography Courses

### Prerequisites

NOTE

Recommended Preparation: The course will be taught in a manner that assumes students have achieved the level of study (e.g., third year standing) and completed courses listed (or equivalent background).

Prerequisites: These are strictly monitored requirements. In some cases Prerequisites may be waived if equivalent background exists. Please consult the Associate Chair, Undergraduate or the course instructor.

### First-Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### JEG100H1 Introduction to Physical Geography and Earth Sciences [24L/10P]

This introduction to Physical Geography and Earth Sciences examines the atmosphere, lithosphere, hydrosphere, cryosphere and biosphere, emphasizing processes, flows of energy and materials, and the interconnectedness of these Earth systems. Specific topics include weather and climate, earth materials, geological and geomorphic processes involved in the genesis of landforms, river systems, glaciers, soils, and biomes. Five laboratory meetings during the term.

Exclusion: GGR100H1 and ESS102H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **GGR101H1 Ancient Civilizations and their Environments [24L]**

The course will focus on the processes that drive environmental change and how past societies have responded to the constraints that these impose. The emphasis is on the current interglacial, the Holocene, and how increasing population and technology has affected human-environment interactions.

Exclusion: JGE236H1 (taken in 2007-2008, 2008-2009)

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **GGR107H1 Environment, Food and People [24L/5T]**

Examines the relations between food, nature, and society. Food is fundamental to human existence, and central to most cultures; it also has significant and widespread effects on the physical environment. This course uses food as a lens to explore human-environment interactions locally and globally. It serves as an introduction to environmental geography.

Exclusion: GGR107Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR112H1 Geographies of Globalization, Development and Inequality [24L/8T]**

Economic development and underdevelopment are taking shape in an increasingly interconnected global context. This course examines geographic approaches to "Third World" development, economic globalization, poverty, and inequality. It pays particular attention to the roles of rural-urban and international migration in shaping specific landscapes of development.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR124H1 Urbanization, Contemporary Cities and Urban Life [24L/6T]**

Offers an introduction to North American cities and urbanization in a global context. It explores social, cultural, political and economic forces, processes, and events that shape contemporary urbanism. The course adopts the lens of 'fixity' and 'flow' to examine how the movement of people, ideas, goods, and capital, as well as their containment in the infrastructure and space of the city, give rise to particular urban forms.

Exclusion: GGR124Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR201H1 Geomorphology [24L/4P]**

Introduction to the principles of geomorphology; earth materials; major features of crustal morphology; landforming processes of water, wind, waves and ice; human impact on earth surface processes. One hour laboratory session approximately every other week; a local field trip.

Recommended Preparation: JEG100H1/GGR100H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **GGR203H1 Introduction to Climatology [34L]**

Introduction to the large scale processes responsible for determining global and regional climate and atmospheric circulation patterns, as well as the small scale processes responsible for determining the microclimates of specific environments.

Prerequisite: Physics SPH3U

Recommended Preparation: JEG100H1/GGR100H1; MAT133Y1, MAT135H1, MAT136H1, MAT137Y1; PHY131H1, PHY132H1,

PHY151H1, PHY152H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **GGR205H1 Introduction to Soil Science [24L/4P]**

Introduction to soil science dealing with the chemical, physical, and biological properties of soils; soil formation and development; the classification of soils, and the application of soil science to environmental, agricultural and forestry issues.

Recommended Preparation: CHM138H1/CHM136H1,

CHM139H1/CHM135H1; JEG100H1/GGR100H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **GGR206H1 Introduction to Hydrology [30L/4T]**

Introduction to the hydrologic cycle with emphasis on the physical processes, including precipitation, interception, evaporation, runoff, ground water and soil water. Basic hydrological models will be practiced.

Recommended Preparation: JEG100H1/GGR100H1; MAT135H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **GGR216H1 Global Cities [24L]**

Most urban courses taught in the English-speaking world implicitly or explicitly focus on large North American, European, or Australian cities. While these places are interesting in their own right, studying them as the sole model of urbanization is misleading. To a great extent, the societies of the westernized, developed world are already highly-urbanized and have been so for decades. Cities outside of this sphere, by contrast, are generally growing much faster, and experiencing greater social and economic upheaval as a result. Understanding non-North American urbanization is a vital part of understanding cities in general. This course is an attempt to introduce students to processes of urbanization that are occurring in places other than North America. There will be a particular focus on comparing the urban form, economies, and social life in cities around the world.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **JGI216H1 Globalization and Urban Change [24L]**

Focusing on the impacts that global flows of ideas, culture, people, goods, and capital have on cities throughout the globe, this course explores some of the factors that differentiate the experiences of globalization and urban change in cities at different moments in history and in various geographic locations.

Recommended Preparation: GGR124H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR217H1 Urban Landscapes and Planning [24L]**

Considers the role of planning in shaping the urban landscape through historical and contemporary examples that illustrate the interplay of modernist and post-modernist approaches to city building. Traces the origins, competing rationalities and lingering effects of planning in the production of urban space. Broaches possibilities for engaging planning critically to address challenges of social and environmental justice in cities today.

Exclusion: GGR361H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR220H1 The Spatial Organization of Economic Activity [24L/2T]**

Focuses on theoretical and empirical topics aimed at describing, analyzing and explaining the spatial distribution of economic activity at macro- and micro-spatial-scales. Topics covered could include theories of regional economic growth and change, issues surrounding uneven development in space, the empirical definition of regional economic systems, and the measurement of economic growth and structural change.

Exclusion: GGR220Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR221H1 New Economic Spaces [24L/2T]**

Provides an introduction to economic geography and economic geography theory from the 1970s on, illustrating the different ways that geographers have conceptualized the restructuring of resource industries, manufacturing and services. The crisis of Fordism and the rise of new production models will be given particular attention, along with the reorganization of finance, the rise of cultural industries and the globalization of commodity chains. New regimes of governance of the economy will also be considered.

Exclusion: GGR220Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR223H1 Environment, Society and Resources (formerly GGR222H1) [24L/6T]**

Focuses on society-environment relations and different approaches to resource governance and management. This includes exploration of the spatial, social, and political economic origins and implications of humans' changing relations to nature. Drawing on debates from environmental governance and political ecology literatures, the course also investigates the ways that different actors and institutions have framed and sought solutions to environmental and resource challenges.

Exclusion: GGR222H1/GGR222Y1/GGR233Y1/JGE221Y1/ENV222Y1/ENV222H1 (if ENV222H1 was taken before 2012-13)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR225H1 Power of Maps and Geographic Information [24L/4P]**

Examines the changing role of geographic information in society. Considers how spatial information is produced, organized, controlled, and used in different historical, cultural and political contexts. Topics examined include: the effects of the shift from print to digital mapping; implications of mobile spatial technologies and the geoweb; open source and open access; production and control of spatial data and information; and alternative cartographies. Introduces geospatial literacy skills.

Exclusion: GGR375H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR240H1 Historical Geography of North America [24L/2T]**

An introduction to the historical geography of North America through the lens of colonialism. Focused on the period from the late 15<sup>th</sup> century to the turn of the 20<sup>th</sup>, but with an eye to our colonial present, the course uses cultural texts and place-based cases to ground broad themes and processes such as environmental change, (re)settlement campaigns, slavery and industrialization, railroading and resource extraction, American empire-building, and enduring struggles over land and identity.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **GGR241H1 Geographies of Urban Social Exclusion [24L]**

Introduction to the geographies of urban social exclusion and segregation after 1750. Using a selection of cities from around the world, the course examines the impacts and implications of urban social inequalities.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR246H1 Geography of Canada [24L]**

Social and economic differences have been, and continue to be, a prominent feature of Canada's geography. In this course these differences are examined at a regional and local scale. The course adopts a thematic approach and considers issues such as historical development, urbanization, industrialization, immigration and population change, Canada's cultural mosaic and native issues. Emphasis will be placed on the evolution of social and economic policies and Canada's incorporation into a global economy.

Recommended Preparation: GGR107H1, GGR124H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR251H1 Geography of Innovation [24L]**

Explores how new technologies and industries are generated and sustained, or failed to be. Focuses on the dynamics of leading technological sectors such as electronics, automobiles and biotechnology in their geographical and historical contexts. We critically scrutinise the iconic Silicon Valley along with other major innovative regions/nations, and investigate the key role of universities and finance in driving innovation and entrepreneurship.

Exclusion: GGR300H1 (2014-15)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR252H1 Marketing Geography [24L/4T]**

The problem of retail location. The spatial structure of consumer demand and retail facilities. Shopping centres and retail chains. Techniques for site selection and trade area evaluation, location strategies, retail planning.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR254H1 Geography USA [24L]**

After a short historical overview of the making of America, this course focuses on contemporary issues in American society, economy, politics, race, regional distinctions and disparities, urban development.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR270H1 Introductory Analytical Methods [24L/12T]**

Theory and practical application of elementary quantitative techniques in geography emphasizing descriptive, inferential and spatial statistical analysis, probability, and sampling.

Exclusion: ECO220Y1/ECO227Y1/GGR270Y1/LIN305H1/POL222H1/POL242Y1/PSY201H1/SOC200H1/SOC202H1/STA220H1/STA248H1/STA250H1/STA261H1

Recommended Preparation: 0.5 FCE in Geography

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **GGR271H1 Social Research Methods [24L]**

Practical course on field methods designed to enable students to carry out their own research projects. Behavioural observation, interviewing, questionnaire design, sampling theory, content analysis of written and graphic material, data coding and focus groups.  
Exclusion: SOC200H1/SOC204H1/WDW350H1/ENV223H1 (from 2010-11)

Distribution Requirement Status: Social Science  
Breadth Requirement: None

## **GGR272H1 Geographic Information and Mapping I [24L/24P]**

Introduction to digital mapping and spatial analysis using geographic information systems (GIS). Students learn how to use GIS software to find, edit, analyze and map geographic data to create their own maps, analyze geographic problems and use techniques that can be applied to a variety of subject areas.

Distribution Requirement Status: Social Science  
Breadth Requirement: The Physical and Mathematical Universes (5)

## **GGR273H1 Geographic Information and Mapping II [24L/24P]**

Builds on GGR272H1 by providing students with practical spatial analysis methods and the underlying theory needed to understand how to approach various geographic problems using geographic information system (GIS) software and a variety of data types and sources.  
Prerequisite: GGR272H1

Distribution Requirement Status: Social Science  
Breadth Requirement: The Physical and Mathematical Universes (5)

## **GGR299Y1 Research Opportunity Program**

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Social Science  
Breadth Requirement: None

## **GGR300H1 Special Topics in Geography I [24L]**

Content in any given year depends on instructor. The program in which the course can be used depends on its content. Consult Department Office in April.

Distribution Requirement Status: Social Science or Science  
Breadth Requirement: None

## **GGR301H1 Fluvial Geomorphology [24L/4P]**

Elements of drainage basin morphology and hydrology, classification of rivers, stream patterns and hydraulic geometry. Elements of open channel flow, sediment transport and the paleohydrology of river systems. River channel adjustments to environmental change, human impact and the management/design of river habitats. Exercises include experimentation in a laboratory flume. **Usually offered every other year.**

Prerequisite: GGR270H1 (or equivalent)  
Recommended Preparation: 10.0 FCE's including JEG100H1/GGR100H1 or GGR201H1  
Distribution Requirement Status: Science  
Breadth Requirement: The Physical and Mathematical Universes (5)

## **GGR305H1 Biogeography [24L]**

Identifies patterns in and explains processes behind plant and animal distributions through space and time. Topics covered include ecological and evolutionary dynamics, disturbance, dispersal, migration, continental drift, speciation, extinction, paleoenvironments and island biogeography. We also examine terrestrial and marine biomes, the meaning of biodiversity, conservation challenges, and recent biogeographic changes associated with human impact.

Recommended Preparation: 8.0 FCE's including JEG100H1/GGR100H1 or (BIO120H1, BIO130H1)  
Distribution Requirement Status: Science  
Breadth Requirement: Living Things and Their Environment (4)

## **GGR307H1 Soil and Water: Landscape Processes [24L/10P]**

An introduction to physical and chemical processes operating at micro- to landscape scales and their effects on soil and water quality. Discussion of anthropogenic impacts and management and conservation issues. Local and international case studies.

Recommended Preparation: 8.0 FCE's including GGR205H1 and GGR206H1  
Distribution Requirement Status: Science  
Breadth Requirement: The Physical and Mathematical Universes (5)

## **GGR308H1 Physical Aspects of the Canadian Arctic and Subarctic [24L]**

We will explore the climate geomorphology, soils, hydrology, biogeochemical cycling, limnology and food web structures of the Arctic and Subarctic. Current stresses of climate change and pollution are discussed along with scientific and political solutions.  
Prerequisite: Equivalent of one full-year science course at the 200-level or permission from the instructor.

Distribution Requirement Status: Science  
Breadth Requirement: The Physical and Mathematical Universes (5)

## **GGR310H1 Bioenergy from Sustainable Forest Management [24L/12P]**

Socio-economic, technical, political and environmental issues associated with the utilization of forest biomass (e.g., harvesting residues, thinnings, salvage, short rotation woody crops) for a source of renewable energy.

Exclusion: FOR310H1  
Recommended Preparation: Completion of at least 6 Science FCE's  
Distribution Requirement Status: Science  
Breadth Requirement: Society and its Institutions (3)

## **GGR314H1 Global Warming [30L/6T]**

A comprehensive examination of the greenhouse warming problem, beginning with economic, carbon cycle, and climate model projections; impacts on and adaptive responses of agriculture, forests, fisheries, and water resources; options and policies to reduce greenhouse gas emissions.

Recommended Preparation: 8.0 FCE's  
Distribution Requirement Status: Social Science or Science  
Breadth Requirement: The Physical and Mathematical Universes (5)

## **GGR320H1 Geographies of Transnationalism, Migration, and Gender [24L]**

This course examines recent changes in global migration processes. Specifically, the course addresses the transnationalization and feminization of migrant populations and various segments of the global labor force. The coursework focuses on analyzing classical paradigms in migration studies, as well as emerging theoretical approaches to gender and migration. In addition, it traces the shifting empirical trends in gendered employment and mobility patterns. It uses in-depth case study material to query the frameworks employed in migration studies and to

understand the grounded implications of gendered migration. It pays particular attention to the interventions made by feminist geographers in debates about work, migration, place, and space.

Recommended Preparation: 8.0 FCE's

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **JUG320H1 The Canadian Wilderness [24L]**

The idea of wilderness permeates narratives of Canadian national identity, while policy-makers seek to manage and contain natural areas.

This course compares and contrasts historical and contemporary wilderness narratives in literature, painting and film with policies in areas such as conservation, urban planning, land claims and tourism.

Recommended Preparation: 8.0 FCE's

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

### **GGR321H1 Aboriginal People and Environmental Issues in Canada (formerly JAG321H1) [24L]**

Indigenous views of environment, resource management and governance from pre-European contact times through to the present will be explored in this course. Emphasis will be placed on the emerging role of Indigenous peoples in environmental and resource management in Canada. Topics to be covered include: history of Aboriginal/non-Aboriginal relations, Aboriginal and treaty rights, Aboriginal world view and philosophy, traditional knowledge, Aboriginal environmental ethics and principles and current environmental issues confronting Indigenous peoples in Canada.

Exclusion: JAG321H1

Recommended Preparation: 8.0 FCE's including 1.0 FCE in Geography and/or Aboriginal Studies (SOC SCI/BR=3)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **JGE321H1 Multicultural Perspectives on Environmental Management [24L]**

Diverse approaches to environmental issues in a variety of multicultural settings are introduced, compared and analyzed, using case studies.

Perspectives on environmental management will be discussed as they emerge from contexts such as Latin America, Asia, or Africa.

Prerequisite: ENV221H1/ENV222H1/GGR222H1/GGR223H1

Exclusion: ENV321Y1

Recommended Preparation: 8.0 FCE's

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **GGR323H1 Issues in Population Geography [24L]**

Explores issues in the geographies of population at a variety of scales from global to local. Topics include an investigation of the mechanics of population growth, theories of population, population growth through time, migration, the impact of population growth on the environment and the social and economic consequences of population change.

Exclusion: GGR208H5

Recommended Preparation: 8.0 FCE's including GGR107H1, GGR124H1, GGR246H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **GGR326H1 Remaking the Global Economy [24L]**

Examines links between global economic integration and geographically uneven economic development. Focuses on debates and empirical studies on global production networks (GPNs), and associated issues such as offshoring, outsourcing, and upgrading. Blends analysis of both theory and practice of business firms and regional development.

Seeks to develop an in-depth understanding of the key actors driving contemporary global economic transformation, within the 'transnational space' constituted and structured by transnational firms, state institutions, and ideologies.

Prerequisite: 7.5 FCE's

Exclusion: GGR300H1 (2013-14)

Recommended

Preparation: GGR112H1/GGR220H1/GGR221H1/GGR251H1, 1.0

FCE in Geography (SOC SCI/BR=3) at the 200+ level

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **GGR327H1 Geography and Gender [24L]**

Introduction to the work of feminist geographers. The course will explore the relationship between gender and space, emphasizing spatial cognition, architecture, and layout of the city.

Recommended Preparation: 8.0 FCE's including 1.0 FCE in Geography (SOC SCI/BR=3)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **GGR328H1 Labour Geographies [24L]**

Explores changes in the nature of work and the structure and geography of labour markets. Topics will include globalization, lean production, flexibility and risk, industrial relations, workfare, the body at work, and gender and work.

Prerequisite: 7.5 FCE's including 1.0 FCE in Geography (SOC SCI/BR=3)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **GGR329H1 The Global Food System [24L]**

Explores the changing global geographies of food by tracing international movements of food through both mainstream and 'alternative' supply chains. The implications for sustainability, food security, community autonomy and health are investigated.

Recommended Preparation: 8.0 FCE's including 1.0 FCE in Geography (SOC SCI/BR=3)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **JGE331H1 Resource and Environmental Theory (formerly GGR331H1) [24L]**

Introduction to and critical evaluation of major ideas and conceptual traditions underpinning environmental and natural resource politics and regulation. Topics include: parks and protected areas, market-based environmental regulation, property rights and conservation, Malthusianism, and biodiversity conservation. Emphasis is placed on critical reading of primary texts.

Prerequisite: GGR100H1/JEG100H1/GGR107H1/ENV221H1/ENV222H1/GGR222H1/GGR223H1

Exclusion: GGR331H1

Recommended Preparation: 8.0 FCE's

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR334H1 Water Resource Management [24L]**

Managing demand and supply; linkages between water quality and human health. Case studies from the industrial world and from developing countries, rural and urban. Implications of population growth and climate change for water resource management.

Recommended Preparation: 8.0 FCE's including one of JEG100H1/GGR100H1, GGR107H1, GGR223H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR336H1 Urban Historical Geography of North America [24L]**

This course explores the emergence and reproduction of class and racial social spaces, the development of new economic spaces, and the growing importance of the reform and planning movements. Emphasis is on metropolitan development between 1850 and 1950.

Recommended Preparation: 8.0 FCE's including one of GGR124H1, GGR241H1, GGR254H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR337H1 Environmental Remote Sensing [24L/24P]**

Principles of optical, active and passive microwave remote sensing; satellite orbit and sensor characteristics; image processing and analysis techniques and software; and environmental remote sensing applications.

Recommended Preparation: JEG100H1/GGR100H1, GGR272H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **GGR338H1 Environmental Problems in Developing Countries [24L]**

Describes and analyses a broad range of the key environmental issues currently facing developing countries from geographical perspectives. Emphasis is on air pollution, water contamination and treatment, residential and industrial solid waste collection and management, with multimedia and written examples drawn from throughout the developing world.

Recommended Preparation: 8.0 FCE's including one of GGR107H1, GGR223H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR339H1 Urban Geography, Planning and Political Processes [24L]**

Investigates North American urban political geography, exploring conflicts over immigration, environment, gentrification, homelessness, labour market restructuring, 'race' and racism, urban sprawl, nature and environment, gender, sexuality, security, and segregation. Explores competing visions of city life and claims on urban space. The course investigates how these struggles connect to economic, social and environmental politics at larger spatial scales, and considers different theoretical frameworks that geographers have developed to make sense of both the persistence of old problems and the emergence of new ones.

Recommended Preparation: 8.0 FCE's including GGR124H1, GGR246H1/GGR254H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR340H1 Health Geography [24L]**

An exploration of the aspects of health in which place or location matters. Particular attention will be paid to the role of environments (physical, social, etc.) in explaining differences in health between places, the structuring of health-related behaviour in place, and the development of health policy for places.

Prerequisite: 2 of GGR270H1, GGR271H1 or GGR272H1

Exclusion: GGR330H1, GGR450H1, GGR451H1

Recommended Preparation: 8.0 FCE's including one of GGR222H1/GGR223H1 or ENV236H1/JGE236H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR341H1 Changing Geography of Latin America [24L]**

Seeks to develop a general understanding of present-day Latin America by focusing on human-environment interactions, past and present. Case studies are used to understand the diversity of Latin American landscapes (physical and cultural), and how they are changing within the context of globalization.

Exclusion: GGR249H

Recommended Preparation: 8.0 FCE's including 1.0 in Geography (SOC SCI/BR=3)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR342H1 The Changing Geography of Southeast Asia [24L]**

Examines changes in the social, political and economic geography of Southeast Asian countries. Examples drawn from Thailand, Singapore, Indonesia, Vietnam and the Philippines as these emerging newly industrialized countries enter the 21st century. Emphasis on political-economy, urbanization and environment since 1950.

Recommended Preparation: 8.0 FCE's including 1.0 FCE in Geography (SOC SCI/BR=3)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR343H1 The Changing Geography of China [36L]**

The evolving social, political and economic landscape of China. Focus on development strategies and their effects on agriculture, industry, urbanization, city planning and the environment since 1949. Special attention paid to the interconnected development trajectories shaping urban and rural areas, together with the complex interactions between the built and social environments.

Recommended Preparation: 8.0 FCE's including 1.0 FCE in Geography (SOC SCI/BR=3)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **JGI346H1 The Urban Planning Process [24L]**

Overview of how planning tools and practice shape the built form of cities. This course introduces twentieth century physical planning within its historical, social, legal, and political contexts. Community and urban design issues are addressed at local and regional scales and in both central cities and suburbs. The focus is on Toronto and the Canadian experience, with comparative examples from other countries, primarily the United States.

Recommended Preparation: 8.0 FCE's including GGR124H1, INI235Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR347H1 Efficient Use of Energy (formerly JGE347H1) [24L/6T]**

Examines the options available for dramatically reducing our use of primary energy with no reduction in meaningful energy services, through more efficient use of energy at the scale of energy-using devices and of entire energy systems. Topics covered include energy use in buildings, transportation, industry, and agriculture. **Offered alternate years from GGR348H1.**

Prerequisite: Physics SPH3U

Exclusion: GGR333H1, JGE347H1

Recommended Preparation: 8.0 FCE's including first year Math and/or Physics

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **GGR348H1 Carbon-Free Energy (formerly JGE348H1) [24L/6T]**

Examines the options available for providing energy from carbon-free energy sources: solar, wind, biomass, nuclear, and fossil fuels with capture and sequestration of CO<sub>2</sub>. The hydrogen economy is also discussed. **Offered alternate years from GGR347H1.**

Prerequisite: Physics SPH3U

Exclusion: GGR333H1, JGE348H1

Recommended Preparation: 8.0 FCE's including first year Math and/or Physics

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **GGR352H1 Understanding Spatiality [24L]**

Investigates the changing nature of space and our thinking about it, introducing students to a wide range of contemporary geographers and spatial theorists such as Lefebvre, Soja, Gregory, Harvey, Massey and others as well as challenges to this thinking - voices from the margins or peripheries. It will explore changing conceptions of spatiality that inform geographic thought and that help us understand the ways in which political, economic and social power is constituted and contested at a range of spatial scales.

Recommended Preparation: 8.0 FCE's including 1.0 FCE in Geography (SOC SCI/BR=3)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR356H1 Recreation and Tourism [24L]**

Explores recreation, tourism and leisure from local and global perspectives, including the social and environmental costs and benefits. Connects tourism and recreation to core geographical concepts related to globalization, mobility, planning, construction of place and identity, landscapes of consumption, and the environment.

Exclusion: GGR256H1

Recommended Preparation: 8.0 FCE's including GGR107H1,

GGR124H1, GGR221H1, GGR246H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR357H1 Housing and Community Development [24L]**

Focuses on the importance of adequate housing and quality neighbourhoods. It roots theoretical explanations and policy debates in realities using Canada and Toronto as examples. Topics covered include the evolution of public policies relating to social housing, rental housing, homeownership, neighborhoods, and homelessness.

Recommended Preparation: Completion of 8.0 FCE's including GGR124H1 and 1.0 FCE in Geography (SOC SCI/BR=3)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR359H1 Comparative Urban Policy [24L]**

A comparative survey of urban policy approaches around the world. Emphasizes the geographic dimensions of policy challenges in cities, which present a unique set of spatial constraints and opportunities. Considers themes of scale, policy transfer and justifications for urban planning interventions through policy case studies and international comparisons.

Prerequisite: 7.5 FCE's including 1.0 FCE in Geography (SOC SCI/BR=3)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR360H1 Culture, History, and Landscape [24L]**

The history of approaches to the idea of landscape. A consideration of the origins and uses of the term in geographical inquiry will be followed by a series of case studies, global in scope, from the Early Modern period to the present. Emphasis will be placed on the representational and lived aspects of landscapes, as well as struggles over their definition, interpretation, and use.

Recommended Preparation: 8.0 FCE's including 1.0 FCE in Geography (HUM/BR=1 or SOC SCI/BR=3)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **GGR363H1 Critical Geographies: An Introduction to Radical Ideas on Space, Society and Culture [36L]**

Introduces a diversity of critical perspectives for geographers and others, including anarchism, Marxism, feminism, sexual politics, postcolonialism, anti-imperialism and anti-racism. In so doing it illustrates how such radical ideas about space, society and culture have contributed to our political thought and action.

Recommended Preparation: 8.0 FCE's including 1.0 FCE in Geography (SOC SCI/BR=3)

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR372H1 GIS for Public Health [24L/12P]**

The goal of this course is to leave students with appreciation of the power of Geographic Information Systems (GIS) to explore and analyze spatial health and medical data. The course will focus on organizing health data in a GIS, clustering detection methods, and basic spatial statistics. Other topics like agent-based models and visualization techniques will be touched upon. Lab work will provide hands on experience with example data, leaving students with a firm grasp of contemporary health and medical problems and a skill set of spatial analytical methods that can be used to solve them.

Prerequisite: 8.0 FCEs

Exclusion: GGR300H1(2015-2016), GGR335H5

Recommended Preparation: GGR270H1, GGR272H1

Distribution Requirement Status: Social Science or Science

Breadth Requirement: Society and its Institutions (3)

## **GGR373H1 Advanced Geographic Information Systems [24L/24P]**

Advanced theory, techniques, and applications in geographic information systems (GIS), including interpolation, geostatistics, modeling, and raster and vector analysis. GIS project design and implementation.

Prerequisite: GGR273H1

Distribution Requirement Status: Social Science or Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **GGR374H1 Urban Dynamics [24L]**

This course will focus on the social and economic repercussions associated with the formation and evolution of polynuclear urban regions in response to global economic restructuring. Foci will include the importance of knowledge and innovation in the process of economic development, social and economic polarization at multiple spatial scales, planning interventions to address these polarities, and strategies and tactics in the promotion of more sustainable urban-centred regional economies.

Recommended Preparation: 8.0 FCE's including 2.0 FCE's in Geography (SOC SCI/BR=3). A statistics course (GGR270H1 or other) would be an asset.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR381H1 Field Course in Environmental Geography [TBA]**

Introduction to field studies in environmental geography. The course may include individual assignments and group work. Field trips are concentrated during a one-week period in late August or early September. Some preparation during the preceding summer may be required. Periodic course meetings and shorter field trips continue, along with course work, during the Fall Term. Each student is required to pay the costs of their transportation and accommodation. Students must register with the Department by April. Course may be limited by size. Not eligible for CR/NCR option.

Prerequisite: Permission of instructor

Recommended Preparation: 8.0 FCE's including 3.0 FCE's in Geography (SOC SCI/BR=3)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR382H1 Field Course in Human Geography [TBA]**

Introduction to field studies in human geography. The course includes exercises and a project during a one-week field study in late August or early September, some preparation during the preceding summer and complementary practical work and/or seminars during the Fall Term. Each student is required to pay the costs of their transportation and accommodation. Students must register with the Department by April. Course is limited by size. Preference given to Geography SPE/MAJ/MIN. Applications open to all students. Not eligible for CR/NCR option.

Prerequisite: Permission of instructor

Recommended Preparation: 8.0 FCE's

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR390H1 Field Methods [TBA]**

Introduction to field methods in geomorphology, vegetation mapping/analysis, soils, hydrology, and climatology. The course includes exercises and a project during a one-week field camp, a little preparation during the preceding summer, and complementary practical work and/or seminars during the Fall Term. Each student is required to pay the costs of their transportation and accommodation. This course meets the field requirement for Physical & Environmental Geography programs. The field camp normally runs for one week at the end of August/early September. Students must register with the Department by April. Consult with the department in case of conflict or concerns. Course may be limited by size. Not eligible for CR/NCR option.

Prerequisite: 1.0 from JEG100H1/GGR100H1, GGR201H1, GGR203H1, GGR205H1, GGR206H1, GGR305H1, ESS102H1, ENV234H1

Recommended Preparation: 8.0 FCE's including GGR270H1

Distribution Requirement Status: Science

Breadth Requirement: None

## **GGR398H0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **GGR399Y0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **GGR400H1 Special Topics in Geography I [TBA]**

Content in any given year depends on instructor. The program in which this course can be used depends on its context. Consult Departmental Office in April.

Prerequisite: 10.0 FCE's

Recommended Preparation: 2.0 FCE's in GGR (HUM/BR=1 or SOC SCI/BR=3)

Distribution Requirement Status: Social Science

Breadth Requirement: TBA

## **GGR401H1 Special Topics in Geography II [TBA]**

Content in any given year depends on instructor. The program in which this course can be used depends on its context. Consult Departmental Office in April.

Prerequisite: 10.0 FCE's

Recommended Preparation: 2.0 FCE's (science) in any of GGR/ESS/BIO/CHM/EEB/FOR

Distribution Requirement Status: Science

Breadth Requirement: TBA

## **GGR405H1 Sustainable Systems for Natural Resources Management [24S]**

This seminar examines the scientific foundations of sustainable natural resource management. Will consider frameworks to assess management and production systems for renewable natural resource and energy development in relation to specific landscapes. Constraints and opportunities to achieving sustainability objectives in different systems will be examined through theoretical and case study evaluations drawn from research literatures. Seminar and self-directed inquiry through individual and team projects.

Prerequisite: 10.0 FCE's

Exclusion: GGR401H1 (2012-13)

Recommended Preparation: 2.0 FCE's (science) in any of GGR/BIO/CHM/EEB/ESS/FOR

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **GGR413H1 Watershed Hydroecology [24L]**

Modern developments in hydrology and ecology, including form and process models, interactions of hydrology, ecology and geomorphology; the course emphasizes the use of computer simulation models of drainage basin processes.

Prerequisite: 10.0 FCE's

Recommended Preparation: GGR201H1, GGR206H1, GGR270H1, GGR272H1 or GGR337H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)



## **GGR414H1 Advanced Remote Sensing [18L/8T/4P/2S]**

Building on GGR337H1 Environmental Remote Sensing with advanced theories and techniques for land cover mapping, vegetation biophysical and biochemical parameter retrievals, optical and thermal remote sensing of urban environment, and application of satellite remote sensing to terrestrial water and carbon cycle estimation. Basic radiative transfer theories as applied to vegetation will be given in some detail as the basis for various remote sensing applications. Optical instruments for measuring vegetation structural parameters will be demonstrated in the field.

Prerequisite: 10 FCEs including GGR337H1

Recommended Preparation: GGR272H1, GGR273H1, GGR373H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **GGR416H1 Environmental Impact Assessment (formerly GGR393H1) [24L/4T]**

Environmental impact assessment (EIA) as a mechanism for avoiding or mediating the potential costs of development. The course focuses on the theory and practice of EIA in Canada in general and Ontario in particular. Using a broad definition of environment, various components of EIA are addressed, with an emphasis on principles, legal and institutional frameworks, stages in the process, and specific analytical techniques.

Prerequisite: 10.0 FCE's, 2.0 FCE's in Geography including GGR270H1, GGR271H1

Exclusion: GGR393H1

Recommended Preparation: One of GGR222H1/GGR223H1 or ENV236H1/JGE236H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR418H1 Political Economy of Natural Resources [24S]**

Examines political aspects of the appropriation of natural resources, including policy and regulation, environmental impacts, and social justice. Emphasis is placed on reading contemporary literature on the politics of resource access and control from geography and other social science disciplines.

Prerequisite: 10.0 FCE's including GGR223H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR419H1 Environmental Justice [24S]**

Examines how environmental problems affect people, communities and societies differentially and how marginalized communities and people often bear the brunt of environmental costs, while contributing little to their creation. It uses readings and case studies from across the globe to address the production of environmental injustice and the struggle for environmental justice.

Prerequisite: 10.0 FCE's

Recommended Preparation: 1.0 FCE in Geography (SOC SCI/BR=3)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR420H1 Critical Development Geography [24L]**

Examines the politics and processes shaping economic globalization and international development. The course will review a range of critical approaches to development, the historical geography of uneven development, and some emerging approaches to critical development studies. The course focuses on recent scholarly discussions about how to define international development and pays particular attention to the relationships between migration and development in theory and practice. It takes seriously the politics of difference (race, ethnicity, class, gender, nationality and sexuality) and inequality in the critical study of international development research and practice.

Prerequisite: 10.0 FCEs

Recommended Preparation: GGR112H1 or GGR124H1; GGR320H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR421H1 History & Philosophy of Geography [24S]**

The history of geography as an intellectual subject, focusing primarily on the modern period, and on the genealogies of central concepts.

Disciplinary developments will be situated next to broader contexts, including imperialism and militarism, the relationship between culture and nature, and the shifting social role of the academy.

Prerequisite: 10.0 FCE's

Recommended Preparation: 2.0 FCE's in Geography (HUM/BR=1 or SOC SCI/BR=3)

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **GGR424H1 Transportation Geography and Planning (formerly GGR324H1) [24L]**

Introductory overview of major issues in interurban and intraurban transportation at the local, national and international scale. Topics include urban transportation, land use patterns and the environment, causes of and cures for congestion, public transit, infrastructure finance, and transport planning and policy setting.

Prerequisite: 10.0 FCE's including one of GGR124H1/GGR220H1/GGR221H1

Exclusion: GGR324H1

Recommended Preparation: GGR270H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR430H1 Geographies of Markets [36S]**

Focuses on actually-existing markets and their geographically-mediated formation and assemblage. Explores how markets are produced, stabilized, reshaped and fall apart at multiple geographic scales. We examine issues such as the debates on states versus markets, embeddedness of markets, neoliberalism and moral justification of markets, varieties of capitalism, regionally variegated capitalism, post-socialist market transitions, and the dynamic evolution of market institutions and economic landscapes.

Prerequisite: 10.0 FCE's including at least 1.0 FCE in 300+ Geography (SOC SCI/BR=3)

Exclusion: GGR400H1(2013-14)

Recommended Preparation: GGR220H1/GGR221H1, GGR326H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR431H1 Regional Dynamics [24L]**

The space-economy has always been characterized by polarization across myriad metrics. As a result, regional economic change has been very difficult to fully explain (and certainly predict) using conventional (orthodox) theories and methods. This course examines the theoretical linkage between related trends in terms of globalization, vertical disintegration, specialization, innovation, and the locational behaviour of firms. We will focus on the seemingly counter-intuitive finding that regional economic change in a time of increasing global interdependence is increasingly dependent on the local context. Topics will include evolutionary economic geography, path dependence, economic clusters, learning regions, the role of institutions, knowledge spill-overs, and the geography of innovation, among others. We will see why the economic activity is becoming ever more concentrated in space even as it globalizes.

Prerequisite: 10.0 FCE's including GGR221H1 or GGR251H1

Recommended Preparation: GGR326H1, GGR270H1. A statistics

course (GGR270H1 or other) would be an asset.  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **GGR433H1 Built Environment and Health [36S]**

Linking across fields that include public health, geography and planning, this course examines the growing evidence and ways in which human health is affected by the design and development of the built environment in which we live, work and play. The course considers how various planning and development decisions impact population and individual health, particularly in relation to chronic diseases, injuries, and mental health.

Prerequisite: 10.0 FCE's

Exclusion: GGR400H1 (2012-13)

Recommended Preparation: 1.0 FCE in Geography (SOC SCI/BR=3)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR434H1 Building Community Resilience [36S]**

Examines concepts of resilience as a way of building the capacity of communities to (a) respond to predicted disruptions/shocks associated with climate change, global pandemics, anticipated disruptions in global food supply, energy insecurity, and environmental degradation; and (b) nurture the development of alternative spaces that support the emergence of more life-sustaining structures and practices. Includes explicit attention to equity and public health, and explores issues such as: participatory governance of social-ecological systems, the nature of social change, complexity science, the role of social movements, indigenous and political ecology perspectives.

Prerequisite: 10 FCEs

Exclusion: GGR400H1 (2011-12)

Recommended Preparation: 1.0 FCEs in Geography

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR438H1 Environment and Development [36S]**

Examines the implications of development –as an economic and social project –for how the environment is used, by whom, and to what ends. Draws on literatures in political ecology and critical development geography. Topics include: interpretations of scarcity and degradation, questions of consumption, the greening of development, and formation of social movements and participatory initiatives at the interface of development and the environment.

Prerequisite: 10 FCE's

Recommended Preparation: 1.0 FCE in Geography (SOC SCI/BR=3)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR439H1 Global Political Geography [36S]**

Introduction to geopolitical theories. Emphasis on the development of the nation state, theories of land claims and the territorial manifestations of nationalism. Will examine recent theoretical as well as empirical challenges to many of the conventional geopolitical assumptions about scale, space, and power in global politics. Please note that this course is open to students who have taken GGR239H1 (formerly Global Political Geography).

Prerequisite: 10.0 FCE's

Recommended Preparation: 1.0 FCE in Geography (SOC SCI/BR=3)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR452H1 Space, Power, Geography: Understanding Spatiality [24S]**

Our understanding of space and power has shifted radically in the past half century. Space no longer implies only regions, nations or territory; power is not simply a question of domination, control, or forms of political representation. Space and power are intricately related. This course explores a shift in our ways of thinking about space and power, focusing specifically on the works of Michel Foucault and Gilles Deleuze. Through the works of Deleuze and Foucault, students are introduced to a variety of ways that space and power are organized and contested. The course begins with the maps in our heads: what kinds of spatial systems organize dominant world-views, how have these changed over time? What spatial metaphors do we use to think about power –as hidden and operating at a depth, or as a surface effect? How does the social organization of space figure in the development of different technologies and techniques of power? How do technologies of power become organized, serialized, dispersed, transformed and contested?

Prerequisite: 10.0 FCE's including at least one (or an equivalent) of GGR327H1, GGR328H1, GGR339H1, GGR352H1, GGR360H1, GGR363H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **JGI454H1 The Role of the Planner: Making a Difference [24L]**

Focuses on the role of a planning practitioner in contemporary society using a wealth of examples drawn from recent issues and debates in Canadian cities and regions. The course will walk students through the demands made of planners in terms of both technical expertise as well as political necessity and ask them to think actively about how to prepare for the extraordinary growth of cities during the next century. Examples of issues that will be discussed in some detail include the myths surrounding the city vs. the suburbs, the creativity and passion involved in planning work and the need to see Toronto's future from a regional perspective.

Prerequisite: 14.5 FCEs, 5.0 of which must be GGR/INI Urban Studies

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR457H1 The Post-War Suburbs [24L]**

Investigates post-war suburbs, beginning with an examination of their competing contemporary meanings. It considers images of prosperous private enclaves, of declining and difficult to access places, of racialized and segregated areas, of banality and homogeneity, of precarity and polarization, and of creative social struggles. It assesses these different visions through an analysis of urban growth and change since WWII. The course will focus on themes of public and private space; class, race and segregation; gender and suburban space; immigration; urban sprawl, and the changing social and economic geography of the suburbs. It examines North American areas, with examples from Australia and Europe.

Prerequisite: 10 FCEs

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR458H1 Advanced Topics in Urban Geography [24L]**

This course focuses on original works that have been influential to the field of urban geography. The first third of the course consists of extensive reading and discussion of pre-selected "classical" urban pieces. The second third consists of student-led reviews of important urban books. The final third consists of student-led projects devoted to a particular theme (announced on the first day of class). It is designed for students who have taken urban courses in the past who are interested in extending this interest in a non-textbook, more interactive environment.

Prerequisite: 10.0 FCE's

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR462H1 GIS Research Project**

Students work in groups to develop their own research project and then acquire, organize and analyze geographic data to complete it. Emphasis is placed on research design, project management and the application of GIS concepts and skills learned in previous courses to a practical problem.

Prerequisite: GGR373H1

Distribution Requirement Status: Social Science or Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **JFG470H1 Forest Management [24L]**

Application of operational research and information technology to develop decision support systems for forest land management planning. Basic principles of mathematical programming, simulation and decision analysis, and their application to planning for forest conservation and sustainable development, policy analysis and other land management planning problems.

Prerequisite: One course in quantitative methods or linear algebra

Recommended Preparation: ECO220Y1, ECO227Y1, GGR270H1, MAT133Y1, MAT223H1

Distribution Requirement Status: Science

Breadth Requirement: Society and its Institutions (3)

## **GGR472H1 Developing Web Maps [24L]**

Explores the power of web mapping and CyberGIS, with a focus on hands-on learning and open source software. Students will learn about relevant software (exploring various APIs), data structures, methods, and cartographic and visualization techniques. Finally, students will work in groups to develop and deliver their own online web maps from scratch, on a topic of their choosing.

Prerequisite: 10.0 FCEs including GGR272H1 and GGR273H1

Exclusion: GGR400H1 (2015-2016)

Distribution Requirement Status: Social Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **GGR473H1 Cartographic Design [12L/24P]**

Design and production of maps using GIS cartographic and graphics software packages. Map perception and map use, principles and elements of cartographic design, data acquisition and manipulation, production and reproduction of maps and atlases. Practical exercises culminate in a major project in thematic map design.

Prerequisite: 10.0 FCE's including GGR272H1, GGR273H1, GGR373H1

Exclusion: GGR380H5

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **JFG475H1 Forest Fire Management Systems [24L]**

Use of operational research and information technology to develop mathematical models and decision support systems to design and evaluate the performance of forest fire and other emergency response systems. Forest fire management systems are used to illustrate the basic principles of emergency response system planning that can also be applied to urban fire, police and ambulance services.

Prerequisite: One course in quantitative methods or calculus

Recommended Preparation: ECO220Y1, ECO227Y1, GGR270H1, MAT133Y1, MAT137Y1

Distribution Requirement Status: Science

Breadth Requirement: Society and its Institutions (3)

## **GGR482H1 Toronto Field Course [TBA]**

Examines the production of urban landscapes, built environments and social spaces in Toronto and surrounding areas through indepth case studies. Coverage will vary some depending on instructor. The course consists of local field trips and in-class seminars and lectures. Students must apply with the Department. Contact the Department in January for deadlines. Course is limited by size. Preference given to Geography SPE/MAJ/MIN. Applications open to all students. Not eligible for CR/NCR option.

Prerequisite: 10.0 FCE's

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **GGR491Y1 Research Project**

Specially designed for students wishing to gain experience in conducting research in their area of specialization. Of particular value for geographers interested in graduate study, or positions in government, planning and consulting firms where research skills may be an asset. Students select a research problem and complete a project under the supervision of a faculty member. Enrolment requires written permission from a faculty supervisor and Associate Chair, Undergraduate; early discussion with a likely supervisor is encouraged. Enrolment may be completed at any time up to September; open to students in a Specialist or Major Program sponsored by the Department of Geography. Not eligible for CR/NCR option.

Prerequisite: 10 FCEs

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **GGR492H1 Senior Practicum**

Students design and implement an independent applied geography/planning project in consultation with an employer (paid or volunteer), who will act as their "client." Enrolment requires written permission from a staff supervisor and Associate Chair, Undergraduate. Only open to students who are enrolled in a Specialist or Major program sponsored by the Department of Geography. Not eligible for CR/NCR option.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **GGR492Y1 Senior Practicum**

Students design and implement an independent applied geography/planning/GIS project in consultation with an employer (paid or volunteer), who will act as their "client". Enrolment required written permission from a staff supervisor and Associate Chair, Undergraduate. Only open to students who have completed 10 FCEs and who are enrolled in a Specialist, Major or GIS minor program sponsored by the Department of Geography. Not eligible for CR/NCR option.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **GGR493Y1 Geography Professional Experience [TBA]**

Undertake professional placement matching academic interests and career goals. Students meet regularly during the year in class to cover topics such as: reflective writing, project management, career planning, and the application of academic skills in professional contexts. Research project required that connects a topic related to placement with academic literatures. Normally, one day per week spent at placement site. For students in their final year of a Geography major or specialist program of study, or the GIS Minor. Space limited. Applications are reviewed in early spring. Not eligible for CR/NCR option.

Prerequisite: 14.5 FCEs; must be enrolled in a GGR Major or Specialist, or GIS Minor; permission of instructor.

Breadth Requirement: None

## **GGR497H1 Independent Research**

Independent research extension to one of the courses already completed in Environmental Geography. Enrolment requires written permission from a faculty supervisor and Associate Chair, Undergraduate. Only open to students who have completed 10 FCE's and who are enrolled in a Specialist or Major program sponsored by the Department of Geography. Not eligible for CR/NCR option.

Prerequisite: 10.0 FCE's

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **GGR498H1 Independent Research**

Independent research extension to one of the courses already completed in Physical Geography. Enrolment requires written permission from a faculty supervisor and Associate Chair, Undergraduate. Only open to students who have completed 10 FCEs and who are enrolled in a Specialist or Major program sponsored by the Department of Geography. Not eligible for CR/NCR option.

Prerequisite: 10.0 FCE's

Distribution Requirement Status: Science

Breadth Requirement: None

## **GGR499H1 Independent Research**

Independent research extension to one of the courses already completed in a social science or humanities branch of Geography. Enrolment requires written permission from a faculty supervisor and Associate Chair, Undergraduate. Only open to students who have completed 10 FCEs and who are enrolled in a Specialist or Major program sponsored by the Department of Geography. Not eligible for CR/NCR option.

Prerequisite: 10.0 FCE's

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

## **Asian Geographies Courses**

### **NUS250H0 Cities in Transition**

This module is concerned with the changing roles of cities in an age of globalization. The first part examines cities as part of urban networks at the national, regional and international levels, and focuses on the implications arising from the rise of mega-cities and global cities. The second half of the module investigates the challenges facing cities on the ground, including issues of the revitalization and re-imaging of city cores, changing retail landscapes, and the impact of telecommunications on the location of urban activities and peoples' mobility. The module is targeted at students with an interest in urban issues. (Co-listed as GE2204 National University of Singapore)

Recommended Preparation: 4.0 FCEs

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **NUS251H0 Southeast Asia**

This module deals with a multi-disciplinary approach to understanding the regional geography of Southeast Asia. Students are expected not only to critically analyze their readings but also to be able to synthesize materials to provide a holistic understanding of the region. Specifically, it looks at the region through historical, cultural, social and political-economic perspectives. The module also discusses sustainable development issues. This is a module that is open to all students in the Faculty of Arts & Social Sciences, Engineering, Law, Science, School of Design & Environment and School of Business. (Co-listed as GE2226 National University of Singapore)

Exclusion: GGR342H1

Recommended Preparation: 4.0 FCEs

Distribution Requirement Status: Social Science

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Breadth Requirement: Society and its Institutions (3)

### **NUS252H0 Rice, Spice & Trees: Peasants in Southeast Asia**

Southeast Asia has been, and still is comprised of predominantly rural and agrarian societies. This module seeks to develop an understanding of peasant life in the region. Topics to be studied include the village as a construct, the "moral economy" of the peasantry, land and man relations, economic output, and peasant beliefs, consciousness, and cultural expressions. With the peasants' increasing involvement in the world market and the nation-state, it is also important to consider the penetration of capitalism into the rural economy, as well as the demand for supra-village identification and loyalties. Notions of "development" as they pertain to the peasants, and as postulated by the state, non-governmental organizations and the peasants themselves are also discussed. (Co-listed as SE3213 National University of Singapore)

Recommended Preparation: 4.0 FCEs

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **NUS253H0 Economy and Space**

This module examines relationships between economy and space through a focus on 'development'. Through interrogating theories, strategies and trajectories of 'development', students will develop an understanding of the past and contemporary global political economy and its geographies. The course will emphasize the geopolitical and cultural backdrops to 'development' and attendant economic geographies amidst debates about 'globalization', international trade and investment. (Co-listed as GE2202 National University of Singapore)

Recommended Preparation: 4.0 FCEs

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **NUS254H0 Geographies of Social Life**

This module explores debates in geography about social issues. It emphasizes the relationship between social identity and social space, and how different places reflect and shape diverse ways of life. The module examines the role of space in the interplay of different social groups (e.g. ethnic groups, men/women), and in relation to different aspects of daily life (e.g. housing, leisure). Its emphasis, however, is on how to think about these issues in different scales/contexts (streets, public spaces, global cities). The course is intended for geography majors, and students throughout NUS with an interest in the relationship between society and space. (Co-listed as SE2224 National University of Singapore)

Recommended Preparation: 4.0 FCEs

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **NUS255H0 Cities and Urban Life in Southeast Asia**

Are Southeast Asian urban models unique from those of the West? This module uses historical and emerging developments to re-evaluate debates on Southeast Asian urbanization. The particularities of Southeast Asian urbanisation will be examined both in terms of its intertwined history with the rest of the world as well as the politics of time and space. The module aims at developing a critical understanding of the interaction between historical, political-economic and cultural processes that constitute urbanization in Southeast Asia. (Co-listed as SE2212 National University of Singapore)

Recommended Preparation: 4.0 FCEs

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **NUS256H0 Changing Landscape of Singapore**

This module attempts to understand the rationale of changes in Singapore's urban landscape. It places these changes within a framework that considers Singapore's efforts to globalize and examines how policies are formulated with the idea of sustaining an economy that has integral links sub-regionally with Southeast Asia while developing new spatial linkages that will strengthen its position in the global network. Emphasis is also given to recent discussions about how diversity and difference in the perception and use of space pose a challenge to the utilitarian and functional definition adopted by the state. (Co-listed as GEK2001/SSA2202 National University of Singapore)

Recommended Preparation: 4.0 FCEs

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **NUS350H0 Natural Resources: Policy and Practice**

This module examines important geographical, ecological and political concepts and approaches to natural resources management. In particular, we focus on ownership regimes, access, exploitation and conservation in different social, economic and cultural contexts. Detailed cases of fisheries, forestry, freshwater and agriculture conflicts and problems are discussed. (Co-listed as GE3210 National University of Singapore)

Recommended Preparation: 4.0 FCEs

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **NUS351Y0 Field Studies in Geography: SE Asia**

The module exposes students to different geographical methods, both human and physical, and as such it is an ideal preparation for any student wishing to undertake further primary research at higher levels in geography, and other social science disciplines. After a series of lectures/seminars on fieldwork methods, fieldwork ethics, and health and safety issues in the field (which may include some basic introductory language classes), students then undertake a 2 –5 week period of field study overseas, depending on logistical and other constraints. Previous field studies have been for periods of 4-5 weeks overseas in Thailand and Malaysia. While overseas, students undergo orientation workshops, meet peers in host universities, and visit potential field sites before conducting an intensive period of fieldwork in small groups of 3-5 students. (Co-listed as GE3230A at the National University of Singapore)

Recommended Preparation: 4.0 FCEs

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **NUS352H0 East Asia**

This module examines aspects of the geography of East Asia, which includes China, Hong Kong, Taiwan, Japan and Korea. Emphasis is placed on the developmental processes and the underlying physical, political, socio-cultural and economic factors that account for their development. It evaluates various discourses on East Asian development and also assesses the impact of East Asian development on regional conflicts, patterns of social change, urbanization and sub-regional integration. (Co-listed as GE3209 at the National University of Singapore)

Recommended Preparation: 4.0 FCEs

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **NUS353H0 Globalization and Asian Cities**

This module aims to provide students with an in-depth understanding of the social, political, and economic changes at various geographical scales with respect to globalization. More specifically, the module focuses on developing understandings of the complex forces driving globalization and the related urban and regional changes and the relationship between globalization and regionalization. This module is not just for geography students, but for all students who are interested in the urban and regional changes in the Asia-Pacific with respect to globalization and regionalization and the driving forces of the changes. (Co-listed as GE3219 at the National University of Singapore)

Recommended Preparation: 4.0 FCEs

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **NUS354H0 South Asia: Development, Issues, Debates**

This module is concerned with understanding and assessing the development experiences of the South Asian countries. Students are expected to grapple with concrete case studies of development programs in their work. The coursework covers issues pertaining to rural, agricultural, urban, industrial and human development, as well as their impact upon people and the environment. Particular attention is given to the situation of the poor and the weak, including disadvantaged children, women, and ethnic minorities. (Co-listed as SN3232 at the National University of Singapore)

Recommended Preparation: 4.0 FCEs

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## Faculty

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### Professors Emeriti

A.P. Dierick, MA, Ph D (V)  
R.H. Farquharson, MA, Ph D (V)  
H. Froeschle, MA, Dr Phil (SM)  
W. Hempel, Dr Phil (SM)  
D.A. Joyce, MA, Ph D (T)  
H.L.M. Mayer, Dr Phil (V)  
H.W. Seliger, M.A. Ph D (V)  
D. W.J. Vincent, MA, Ph D (T)  
H. Wetzel, Dr Phil (U)  
H. Wittmann, MA, Ph D (UTSC)

### Associate Professor and Chair of the Department (on sabbatical)

M. Stock, Dr. Phil

### Associate Professor and Acting Chair of the Department

S. Soldovieri, MA, Ph D

### Associate Professor and Associate Chair (Graduate Studies)

A. Fenner, Ph D

### Associate Professor and Associate Chair (Undergraduate Studies)

C. Lehleiter, MA, Ph D

### Full Professors

W. Goetschel, Ph D  
J. Noyes, Ph D (on leave)  
J. Zilcosky, MA, Ph D

### Associate Professors

M. Hager, Dr. Phil  
A. Shternshis, Dr. Phil (on leave, fall 2016)

### Associate Professor, Teaching Stream

E. Boran, MA, Ph D (on leave, winter 2017)

### Assistant Professor, Teaching Stream

Hang-Sun Kim, Ph D

German-speaking countries enjoy a long tradition at the cultural and political core of Europe. During the last two hundred years their importance has steadily increased, and with the recent developments in Eastern Europe their influence seems certain to expand even more.

The importance of the German language has grown correspondingly: it is the second foreign language after English in the countries of central and Eastern Europe, and its use is spreading within the European Community. Learning German opens the door to many fields of intellectual, technical and politico-economic endeavor. German scholars have been leaders in philosophy, the sciences, history, archaeology, sociology and political science. German literature is equally distinguished: writers like Goethe, Kafka, Rilke, Brecht, Mann, Wolf, Grass, Jelinek, Özdamar, etc., have dealt with the widest possible range of human problems and concerns, and have been recognized worldwide.

The Department of Germanic Languages and Literatures offers courses on literature from the Middle Ages to the present, so that the student may acquire an overview of this significant element of German life and culture. We offer language courses from beginning and intermediate to advanced

levels, with practice in reading, writing, comprehending and speaking German, as well as stylistics, linguistics, and the specialized vocabulary and concepts of business. Language and literature instruction is integrated as far as possible, with the aim of teaching students advanced critical literacy in German. The department offers a minor in Yiddish, with instruction offered from beginning and intermediate to advanced levels. German combines well with other modern languages and literatures, and double-majors are encouraged. Students in a variety of programs, such as Cinema Studies, European Studies, Literary Studies, Drama, Music and others, will benefit from courses in German language, literature and culture. The Department supports opportunities for students to study and work in Germany, by encouraging participation in programs established by the German government, by Canadian universities, and by our own Arts and Science Faculty's Study Elsewhere Program. One of these is the exchange program under which Toronto students can spend the academic year at the Humboldt University in Berlin.

A knowledge of German is a virtual necessity for specialists in many disciplines; it is also very useful in certain career areas (e.g., the foreign service, interpretation and translation, librarianship, business and commerce, music, tourism, and of course teaching). The successful completion of a four-year program, including seven approved courses in German, may entitle the student to enter the M.A. or Ph.D. program in the Graduate Division of the Department.

Students entering with some previous knowledge of German are required to contact the department to write an initial assessment test (placement test) and will then be advised to take courses at the appropriate level. Please check the department's web site at [www.german.utoronto.ca](http://www.german.utoronto.ca) for more information.

Information on studies in German Language and/or Literature can be obtained from the Associate Chair for Undergraduate Studies at [german.undergrad@utoronto.ca](mailto:german.undergrad@utoronto.ca).

Enquiries: Department of Germanic Languages and Literatures

Address: 50 St. Joseph Street, Odette Hall #322

Tel.: 416-926-2324

Email: [german@chass.utoronto.ca](mailto:german@chass.utoronto.ca)

Website: [www.german.utoronto.ca](http://www.german.utoronto.ca)

## German Programs

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The German Department offers a Specialist or a Major program in German Studies, as well as Minor programs in German Studies, Business German, Yiddish Studies and German Studies in English. Enrolment in the Specialist and Major programs in German is open to students who have successfully completed their first year. Please see below or check the German Department website for more general program requirements and a list of courses offered.

### German Studies Specialist (Arts program)

(10 full courses or their equivalent)

1. GER100Y1, GER200Y1, GER300Y1, GER400H1
2. GER150H1 (to be taken within the first two years of studies) or GER310H1
3. GER205H1, GER305H1
4. At least 3.5 additional F.C.E. in GER courses on the 300-level
5. At least 1.5 additional F.C.E. in GER courses on the 400-level
6. No more than 2 F.C.E. courses taught in English

## 7. Preapproved cognate courses may count toward the program

Please note: (a) GER150H1 must be taken within the first two years of study; (b) students must complete GER205H1 before taking ANY 300-level topic courses taught in German (i.e. typically in the second year, concurrently with GER200Y1); (c) students must complete GER305H1 before taking ANY 400-level topic courses taught in German; (d) 300-level courses may be replaced by 400-level courses (inquire in advance); (e) all specialists should schedule an appointment with the Undergraduate Coordinator for personalized counselling as early in their studies as possible.

### German Studies Major (Arts program)

(7 full courses or their equivalent)

1. GER100Y1, GER200Y1, GER300Y1, GER400H1
2. GER150H1 (to be taken within the first two years of studies) or GER310H1
3. GER205H1, GER305H1
4. At least 1.5 additional F.C.E. in GER courses on the 300-level
5. At least 0.5 additional F.C.E. in GER courses on the 400-level
6. No more than 1.5 F.C.E. courses taught in English
7. Preapproved cognate courses may count toward the program

Please note: (a) GER150H1 must be taken within the first two years of study; (b) students must complete GER205H1 before taking ANY 300-level topic courses taught in German (i.e. typically in the second year, concurrently with GER200Y1); (c) students must complete GER305H1 before taking ANY 400-level topic courses taught in German; (d) 300-level courses may be replaced by 400-level courses (inquire in advance); (e) all majors should schedule an appointment with the Undergraduate Coordinator for personalized counselling as early in their studies as possible.

### German Studies Minor (Arts program)

(4 full courses or their equivalent)

1. GER100Y1, GER200Y1, GER300Y1
2. At least 0.5 additional F.C.E. in GER courses on the 300-level
3. The remainder of the four courses or equivalent must have a GER designator
4. No more than 0.5 F.C.E. may be taken in English

Note: Students registered for a German Specialist or Major may not simultaneously be registered for a German Minor program.

### German Studies in English (Arts Program)

#### Requirements:

1. The Minor Program requires 4 full courses (FCE), three of which have to have a GER denominator;
2. Required courses are GER150H1 (German Cultural Studies; first year) and either GER410H1 (German Intellectual History) or GER411H1 (Critical Theory);
3. Optional courses are GER220Y1 (German Literature), GER240H1 (German Drama), GER250H1 (German Film), GER261H1 (Yiddish Cinema), GER338H1 (Narratives of the Body), GER361H1 (Yiddish Literature) and GER429H1 (Medieval German);
4. A maximum of 1.0 FCE in cognate courses is allowed (i.e. courses offered by other departments containing a relevant Germanic component and a final paper on a Germanic topic); please inquire at

the Department and get approved in advance. For a list of courses taught in English, please check the German Department website.

Note: Students registered for a German Specialist or Major may not simultaneously be registered for a German Minor program.

### Business German Minor (Arts program)

(4 full GER courses or their equivalent)

This Minor Program requires 4 full courses from the Department of German.

1. GER100Y1/GER200Y1, OR proof of comparable German level
2. GER270H1, GER272H1, GER370H1, GER372H1 are mandatory
3. the remainder of the courses or equivalent must have a GER designator OR must be a pre-approved cognate course.

Note: Students enrolled in the German Studies Specialist of Major Program may not simultaneously enroll for a Business German Minor Program.

### Al and Malka Green Yiddish Program Minor (Arts program)

(4 full courses or their equivalent)

1. GER260Y1, GER360H1, OR GER463Y1\* (instead of GER260 and GER360)
2. GER462H1
3. The remaining courses should be taken from  
361H1  
362H1  
367H1  
100Y1  
150H1  
or any course offered by and crosslisted by the Centre for Jewish Studies

\*NOTE: Students who took GER 463Y cannot take GER260Y or GER360H. Students who took GER260Y or GER360H cannot take GER463Y.

## Faculty of Arts & Science Language Citation

The Department of German participates in the Faculty of Arts & Science's Language Citation initiative for German. The study of German is a demanding and intellectually rewarding educational experience, providing students with excellent resources for understanding the culture of the German speaking world. German is now the second foreign language after English in the countries of central and Eastern Europe, and its use is spreading within the European Community. Learning German opens the door to many intellectual, technical, political, and economic fields. Successful study of German demonstrates intelligence, discipline, analytical sophistication, and an excellent memory. The study of any foreign language provides invaluable insights into the varieties of human culture and expression.

The Language Citation recognizes a significant level of achievement in language study with a high level of academic success. The Citation in German is available to students who complete GER100Y1 (or the equivalent prerequisite training) and earn a grade of at least B- in GER200Y1 and GER300Y1.

Students should note that the Language Citation is not equivalent to an

# German

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academic program and that enrolment in a program is not necessary in order to earn the recognition bestowed by the Citation.

## German Courses

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### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### Note

Notes: (a) All students with previous knowledge of the German language, as well as students returning from extended stays in German-speaking countries, are REQUIRED to take a placement test offered at the Department. (b) The Department reserves the right to place students in the language course appropriate to their level of language skill. (c) More detailed course descriptions and reading lists for the various courses are available from the instructor.

#### GER100Y1 Introduction to German I [96P]

This is the language course to take if you have had no previous experience of the German language. The emphasis is on comprehension, speaking, reading, writing, vocabulary and basic grammar. This course can be counted towards all programs in German.

Note: Students with any previous knowledge of German are REQUIRED to take a placement test offered at the department.

Exclusion: Senior high school German or equivalent. Note: Students with any previous knowledge of German are required to take a placement test offered at the department.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

#### GER101H1 Introduction to German [48P]

This course is intended for students with some prior knowledge of German. It is equivalent to the Spring Term of GER100Y1. The emphasis is on comprehension, speaking, reading, writing, vocabulary and basic grammar.

Exclusion: Senior high school German or equivalent. GER100Y.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

#### GER150H1 Introduction to German Culture (E) [36S]

This course taught in English is intended for students who are unfamiliar with German culture. It examines historical, political and cultural developments in Germany from about 1871 to the present focusing on literary and non-literary texts.

Note: This course is required for the major and specialist program, and can only be taken within the first two years. In later years it may be substituted with GER310H1.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

#### GER200Y1 Introduction to German II [96P]

This course continues the work done in GER100Y1 / GER101H1. It further expands on basic grammar and vocabulary, practice in comprehension, composition, and conversation.

Prerequisite: GER100Y1/GER101H1 or German placement test, Senior high school German or equivalent

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

#### GER205H1 German Literature I [36S]

This course offers a transition from the language courses to the topic courses on the 300-level. It introduces students to German literature and provides them with working methods and analytical tools relevant for the study of German literary texts in the original German.

Note: This course is required for the major and specialist program

Prerequisite: GER100Y1

Corequisite: GER200Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

#### GER220H1 German Literature in Translation (E) (formerly GER204H1) [36S]

This course taught in English is an introduction to major authors of German literature, such as J.W. Goethe, F. Kafka, T. Mann, G. Grass, C. Wolf and E.S. Özdamar, focusing on their key works and introducing central topics.

Exclusion: GER204H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

#### GER240H1 German Drama in Translation (E) (formerly GER232H1) [36S]

This course taught in English offers a general survey introducing major dramatic works from the German-speaking countries from the eighteenth century to the present, by authors such as G.E. Lessing, F. Schiller, G. Büchner, B. Brecht, P. Weiss and E. Jelinek.

Exclusion: GER232H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

#### GER250H1 Topics in German Film History (E) [24P/24S]

Focusing on a specific era of film production (e.g. Weimar cinema, Nazi era and postwar, feminist filmmaking, New German Cinema or Postwar), this course explores the relationship between social movements and film form and style. Taught in English. Cross-listed with the Cinema Studies Program Innis College.

Exclusion: GER351H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

#### GER251H1 German and European Cinema [E] [24P/24S]

This course examines German cinema against the backdrop of European film history. European films share common reference points anchored in the cataclysms of two world wars, and have also negotiated analogous postwar transformations in family life, urbanization, the regional and the national, cultural identity, labour relations, post-socialist societies, and state security. A comparative approach enables examination of what binds German cinema to European cinema – shared histories and political concerns – as well as what is nationally unique and distinctive. By matching select films with readings from social theory, cultural studies,



and film studies, we will compare and contrast these socio-historical concerns while also attending to the medium specificities of film style, aesthetics, and narrative form.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**GER260Y1 Elementary Yiddish [72P]**

This course introduces Yiddish language, literature, music, theater, and cinema through interactive multi-media seminars, designed to build proficiency in reading, writing and comprehending. No prior knowledge of Yiddish is required.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**GER270H1 Money and Economy in German Literature and Culture [E] [36P]**

In this course, we examine key literary, philosophical, and cultural texts, in order to understand how modern culture approaches problems such as property, debt, and exchange value.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**GER272H1 Introduction to Business German [36P]**

This course introduces students to basic concepts and vocabulary necessary for the German business context. All the language skills (reading, writing, listening, and speaking) will be practiced in appropriate business contexts.

Prerequisite: Pre-/Co-Requisite: GER 200Y.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**GER275H1 Marx, Nietzsche, Freud (E) [36S]**

This is an introductory course to the thought of Karl Marx, Friedrich Nietzsche, and Sigmund Freud and their pioneering contributions to the understanding of the individual and society in modernity. Readings include selections from writings of the early Marx, the Communist Manifesto, and Capital, Nietzsche's critique of culture, academe, and nationalism, and Freud's theory of culture, his views on the psychopathology of everyday life, on the meaning of dreams, symptoms, the return of the repressed, and what it might mean to live in a free society.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**GER299Y1 Research Opportunity Program**

Credit course for supervised participation in faculty research project.

Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

**GER300Y1 Intermediate German [96P]**

Continuing the work done in GER100Y1 and GER200Y1, this course offers German at the intermediate level focusing on extension of vocabulary, specific problems of grammar, essay-writing, reading and conversation. The Department reserves the right to place students in the appropriate course in the series GER200Y1 and GER300Y1.

Prerequisite: GER200Y1 or German placement test

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**GER305H1 German Literature II [24S]**

Building on the work of GER205H1, this course offers a survey of German literature and culture from the eighteenth to the twentieth century. Within a chronological framework, students read and analyze excerpts from representative works of major German writers.

Note: This course is required for the major and specialist program, and should be taken concurrently with GER300Y1

Prerequisite: GER205H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**GER310H1 Contemporary German Culture and Media [24S]**

This course focuses on contemporary German culture as expressed through a variety of media. It approaches Germany and Germany's position within Europe and the world mainly (but not exclusively) through non-literary texts.

Note: This course may count as a substitute course for the required GER150H1; please inquire in advance.

Prerequisite: GER200Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**GER320H1 The Age of Goethe (formerly GER420H1) [24S]**

Goethe and his contemporaries saw themselves faced with a rapidly changing world. This course examines the innovative literary experiments they developed in response to these changing times.

Prerequisite: GER205H1

Exclusion: GER420H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**GER321H1 19th Century German Literature (formerly GER325H1) [24S]**

This course focuses on German authors of the nineteenth century. Literary, political and philosophical texts are analyzed as a discussion of political uprisings, the industrial revolution and the emergence of German nationalism.

Prerequisite: GER205H1

Exclusion: GER325H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**GER322H1 Kafka in Context (formerly GER331H1) [24S]**

Franz Kafka's texts are read in the literary, historical, and philosophical context of fin-de-siècle Prague and central Europe.

Prerequisite: GER205H1

Exclusion: GER331H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**GER323H1 Weimar Culture and Beyond (formerly GER334H1) [24S]**

Focusing roughly on the period from 1918 to 1945, this course examines literary and artistic movements like Dada, Bauhaus, the Golden Age in German film in the decades between World War I and Nazism.

Prerequisite: GER205H1

Exclusion: GER334H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

# German

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## **GER326H1 Writing Memory: Post 1945 (formerly GER335H1) [24S]**

An examination of post-World War II German literature and culture from Zero Hour through to present-day debates about the Holocaust and its memorialization within a German context.

Prerequisite: GER205H1

Exclusion: GER335H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **GER330H1 Introduction to German Poetry (formerly GER424H1) [24S]**

This course offers an introduction and exploration of German poetry from all ages. The focus lies on poems which pick as a central topic the self in its relation to itself, others, and society.

Prerequisite: GER205H1

Exclusion: GER424H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **GER332H1 Deviance - Madness - Outsiders (formerly GER327H1) [24S]**

An analysis of the artistic confrontation with deviance, madness, and outsiders. The course covers expressions of this confrontation in a variety of genres.

Prerequisite: GER205H1

Exclusion: GER327H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **GER336H1 Focus On Berlin (formerly GER422H1) [24S]**

This course offers an exploration of the cultural developments of one of the most exciting capitals of the world, from the Bismarckian era to German reunification and beyond.

Prerequisite: GER205H1

Exclusion: GER422H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **GER338H1 Narratives of the Body (E) [24L/12T]**

In this course, we examine literary and cinematic explorations of bioethical questions, in order to understand how artistic discourse approaches problems such as normality, madness, and biopower. Readings could include texts by G. Buechner, H. Kleist, E.T.A. Hoffmann, F. Kafka, and T. Mann, among others. All material will be read in English translation.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **GER340H1 German Theater Production (formerly GER380H1) [48S]**

The course offers close reading, rehearsing and staging of a play. Students will become familiar with the different steps of a theater production, be introduced to basic acting and staging techniques and get acquainted to leading theories of theater.

Prerequisite: GER200Y1

Exclusion: GER380H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **GER350H1 German Visual Cultures (formerly GER351H1) [24P/24S]**

This course presents students with a survey of the history and development of the German cinema. It examines major trends of German cinematography focusing on thematic and formal aspects.

Prerequisite: GER205H1

Exclusion: GER351H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **GER354Y0 Special Topics Summer Course in Berlin (E)**

The topics of this course taught in English and open to students from other disciplines vary from year to year. Interested students can address questions to Woodsworth College.

Recommended Preparation: 100-level HIS/POL/GER course/International or European Studies

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Creative and Cultural Representations (1)

## **GER355Y0 Summer Course in Berlin**

Students who wish to petition the department for credit toward a specialist or major program in German will be required to do part of their work in German. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **GER360H1 Intermediate Yiddish [36P]**

The course conducted in Yiddish offers a review of basic grammar, stylistics, study of short literary texts.

Prerequisite: GER260Y1

Exclusion: GER360Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **JGJ360H1 Holocaust in Literature [24S]**

This course examines literary works written in different languages, in ghettos and concentration camps during the Holocaust, as well as those reflecting on the genocide in its aftermath. We focus on literature as a means of engaging with the unimaginable and on the cross analysis of eye-witness and memory writing.

Prerequisite: Completion of a minimum of 4.0 FCEs

Exclusion: CJS220H1GER367H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **GER361H1 Yiddish Literature in Translation (E) [24S]**

An overview of the major figures and tendencies in modern Yiddish literature and culture from the beginning of the 19th century to the present. Readings (in English) of modern Yiddish prose, poetry, drama and cinema.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **GER362H1 Jewish Culture in the Soviet Union (E) [24S]**

The course focuses on Soviet Jewish culture between 1917 and 1991. Works in translation by Soviet Yiddish writers and poets, performances of central Yiddish theatres, and publications in central Yiddish periodicals will be analyzed as expressions of Soviet ideology and of ethnic identity.

Recommended Preparation: HIS208Y1, HIS242H1, HIS250Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**GER367H1 Topics in Yiddish or German Jewish Literature and Culture [24S]**

Topics in modern Yiddish or German Jewish literature and culture from the beginning of the 19th century to the present, featuring a selection of readings of modern Yiddish prose, poetry, drama and cinema. Taught in English and open to students across disciplines.

Prerequisite: Completion of a minimum of 4.0 FCEs

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**GER370H1 German Business Culture 1 [36P]**

This course provides students with a working knowledge of German business culture that allows them to navigate the German workplace. The main focus is to deepen students' knowledge of business concepts.

Note: This course is required for the minor program in Business German

Prerequisite: GER200Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**GER371H0 Berlin Summer Internship**

An intensive internship in Berlin, focusing on work/study and intercultural learning. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

**GER372H1 German Business Culture 2 [36P]**

This course offers an intensive development of the linguistic skills needed in the context of business transactions and management in German-speaking countries. Through materials from various sources, students develop oral and written skills for competence in German business communication as well as cross-cultural awareness.

Prerequisite: GER370H1

Exclusion: GER470H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**GER398H0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

**GER399Y0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

**GER400H1 Advanced German [48P]**

This is a course for advanced learners of German reviewing complex features of the language and introducing them to aspects of German stylistics. The emphasis lies on oral and written communication.

Prerequisite: GER300Y1

Exclusion: GER400Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**GER410H1 Topics in German Intellectual History (E) [24S]**

This course taught in English offers an examination of key moments and themes in German intellectual history from the Enlightenment to the present.

Prerequisite: Advanced status

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**GER411H1 Critical Theory [24S]**

The course familiarizes students with some of the key issues in critical theory today. Focusing on current debates, it will provide the background to these debates.

Prerequisite: Advanced status

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**GER423H1 Transnational Literatures [24S]**

This course investigates contemporary German culture by paying attention to its other or alternate voices and perspectives, i.e. those not usually prevalent in mainstream cultural and sociopolitical discourses.

Prerequisite: GER305H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**GER425H1 Romanticism [24S]**

This course introduces students to the literature and some philosophical tenets of Romanticism (roughly 1798-1830) as a critical engagement with Enlightenment, modern science, and modernity.

Prerequisite: GER305H1

Exclusion: GER324H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**GER426H1 Medieval Language and Culture [36S]**

This course offers an introduction to the language, literature and culture of Medieval Germany. The reading and translation of exemplary medieval German texts will introduce students to Middle High German and provide an insight into epochal concepts like courtly love and chivalry as well as courtly and monastic designs of identity.

Prerequisite: GER300Y1, GER205H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**GER429H1 Topics in Medieval German Literature (E) [24S]**

An open course which explores specific topics in Medieval literature and culture. It serves to introduce students to seminal premodern texts and discourses.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**GER430H1 Topics in German Literature and Culture [24S]**

An open course which explores specific aspects of German literature and culture.

Prerequisite: GER305H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

# German

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## **GER431H1 Topics in Germanic Studies [24S]**

An open course which explores specific aspects of Germanic Studies.  
Prerequisite: Completion of at least 7.0 FCEs  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **GER450H1 Topics in German Cinema [24P/24S]**

This course explores in detail a specific aspect of German cinema.  
Details will be available from the Department.  
Prerequisite: GER300 or equivalent  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **GER462H1 Advanced Yiddish [24P]**

This course conducted entirely in Yiddish focuses on advanced reading, writing, vocabulary and conversation, the study of poetry, short fiction, and memoir literature by leading authors. Selected advanced grammatical topics are presented in conjunction with the study of texts.  
Prerequisite: GER360H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **GER463Y1 Yiddish Language for German Speakers [48P]**

The course is designed as an intensive Yiddish language training. The goal is to teach German speakers to read, write and speak in Yiddish. The curriculum relies on the German language skills of the students, and focuses on differences between Yiddish and German grammar and vocabulary. Upon the completion of the course, students should be able to read Yiddish literary texts with a minimal use of dictionary.

Note: Graduate students can take the course in preparation for their Yiddish competency test.

Prerequisite: Either 3 FCE in German language or fluency in German language.

Exclusion: GER260, GER360, GER462

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **GER490H1 Independent Study [24S]**

A reading & research project in Germanic literature and/or culture involving a substantive research component. Not eligible for CR/NCR option.

Prerequisite: Advanced status and permission of department. Note: permission needs to be obtained by May 1st for the Fall Term and by Nov. 1st for the Spring Term

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **GER491Y1 Individual Studies [48S]**

A scholarly project chosen by the student and supervised by a member of the staff. The form of the project and the manner of its execution are determined in consultation with the supervisor. Not eligible for CR/NCR option.

Prerequisite: Prerequisite: Advanced status and permission of department. Note: project proposals need to be submitted by June 1st

Distribution Requirement Status: Humanities

Breadth Requirement: None

## Faculty

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J.M. Beattie, MA, Ph D, FRSC (U)  
J.M. Bliss, MA, Ph D, FRSC

### Professors Emeriti

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C.C. Berger, MA, Ph D, FRSC  
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A. Sheps, MA, Ph D  
A.I. Silver, Ph D

### Professor and Chair of the Department

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### Associate Professor and Associate Chair (Graduate Studies)

TBA

### University Professor

L. Viola, MA Ph D, FRSC

### Professor and Associate Chair (Undergraduate Studies)

J. Mori, BA, D Phil

### Professor and Deputy Chair

TBA

### Professors

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L. Mar, MA, Ph D  
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# History

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N. Rothman, MA, Ph D (University of Toronto Scarborough)  
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M. MacDonald, MA, LLB, Ph D (Trinity College)  
S. Mills, MA, PhD  
W. Nelson, MA, Ph D (University of Toronto Scarborough)  
L. van Isschot, MA, Ph D  
Y. Wang, MA, Ph D  
A. Grewal, MA, Ph D (University of Toronto Scarborough)  
B. Gettler, MA, Ph D (University of Toronto Mississauga)

## Introduction

Historians study the past to understand it on its own terms, to gain insight into how our world has developed, and in order to influence the present. The study of history covers a wide and diverse range of topics, from the history of aboriginal societies, conquistadors, ethnicity, fascism, labour, psychiatry, patterns of settlement and migration, politics, the Renaissance, revolution, to the automobile, slavery, international relations, trade unions, women's studies, and more.

The study of history is at the core of any liberal arts education. In order to make sense of political, social, economic, and cultural development, it is essential to understand historical change and continuities. History is also integral to most area studies (East Asian Studies, Near and Middle Eastern Civilizations, Canadian or American Studies, etc.) and is a crucial part of the study of political science, economics, sociology, international relations, religion, art history, English—nearly every discipline in the humanities and social sciences. History as a discipline partakes of both the humanities and social sciences: it is a social science because it studies societies and the processes of change, but the method and analytical approach are those of the humanities. Close analysis of problems, critical examination of evidence, and persuasive oral and written communication are all hallmarks of historical inquiry.

History graduates will gain both a broad overview of the contours of history and in-depth knowledge of one or more specific regions, time periods, or thematic specializations. They will understand how social processes, political ideologies, economic trends, and environmental changes have intersected with individual and collective human actions to shape historical change and, ultimately, the world we live in today. History graduates will comprehend how history is written, including the skills and methods of historical research, the use and interpretation of textual and other evidence, and the choices involved in various theoretical and analytical frameworks. They will be able to critically read and assimilate large amounts of information, weigh evidence, draw well-informed conclusions, and present cogent, analytical arguments.

The analytical and communication skills one develops by studying history are critical to a great variety of careers. History graduates put their training directly to use in such fields as law, politics, business,

government service, museums, libraries and archives, documentary filmmaking, journalism, international relations, urban planning, teaching, and many other areas. With emphasis on how to analyze issues, read critically, do productive research, delineate a case, and present evidence in support of that case, studying history equips one with both the skills and knowledge for an ever-changing workplace and society.

## Curriculum

The History curriculum is designed to give students a solid grounding in a variety of interpretive and methodological approaches, while allowing them a great deal of flexibility to follow their own particular interests. Breadth requirements (detailed below) ensure that students achieve chronological depth and geographic range. There are courses at most levels in American, Asian, African, Latin American and Caribbean, British, Canadian, European, Russian and East European history. Thematic clusters such as medieval history, gender, international relations, and colonialism/post-colonialism help students pursue areas of particular interest.

The 100-series courses are thematically-based and introduce students to the craft and tools of historical research and writing. The 200-series courses are broad chronological surveys of countries, regions, or time periods. They are open to first-year students and have no prerequisites. The 300-series courses enable students to pursue topics in greater depth and methodological sophistication. They are not open to first-year students and frequently have prerequisites. The 400-series courses represent the culmination of an undergraduate's study of history. They are taught as small-group seminars in which students draw upon the skills they have developed through the course of their History program in research, analysis, and oral and written presentation.

More detailed information concerning the department, history programs and particular courses can be found on our website: [www.history.utoronto.ca](http://www.history.utoronto.ca). There is a History Students' Association in the Department and there is student participation in the Department meetings and major standing committees.

Undergraduate Administrator:  
Ms. Vicki Norton, Room 2074, Sidney Smith Hall (416-978-3362)  
email: [hisugadm@utoronto.ca](mailto:hisugadm@utoronto.ca)

General enquiries:

Sidney Smith Hall, 100 St. George Street, Room 2074 (416-978-3363)

## History Programs

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Students may also use certain history courses offered by CLA, EAS, and NMC to fulfill Department of History program requirements (see History website).

### History Specialist (Arts program)

This is a limited enrolment POST that can only accommodate a limited number of students. Eligibility will be based on a student's marks in the required courses. The precise mark thresholds outlined below are an estimate of what will be required in the coming POST admission cycle. Achieving those marks does not necessarily guarantee admission to the POST in any given year.

Required courses: 2.0 HIS FCE, one of which must be at the 100-level, with a final mark of at least 73% in each.

(10 full courses or their equivalent)

First Year: 1.0 HIS FCE at the 100-level; in addition, students may take 1.0 HIS FCE at the 200-level.

Higher Years: Additional HIS courses to a total of 10 FCEs overall, meeting the following requirements:

1. At least 5 FCEs at the 300-level or above, including 1.5 FCEs at the 400-level
2. 1 FCE at the 200-level or above from each of the following Divisions\*:
  - I. Asia/Africa/Middle East
  - II. Canada/United States/Latin America/Caribbean
  - III. Europe
3. 1 FCE in pre-modern (before 1800) history\*.

\* Courses that satisfy the Pre-modern and Divisional requirements are listed on the History website.

### Courses in other departments:

a) *Equivalent Courses*: the History Department website lists a number of history courses offered by other departments, such as East Asian Studies, Near and Middle Eastern Civilizations, and Classics, which can be taken for program credit. Typically these courses are taught by faculty members who are trained as historians but whose primary appointment is in another department; they may include subjects not covered by HIS offerings. These are considered equivalent to HIS courses for the purpose of all program requirements *except* the 100-level requirement, and there is no limit on the number of these courses that can be included in a student's program.

b) *Related Courses*: the History Department website also lists a number of courses in other departments that may be substantially historical in content but that differ in methodology or approach from an HIS course. Specialists may draw up to 2.0 FCEs to fulfill items 1 through 3 of the Specialist program. **Note**: A 100-level related course may be applied toward the Divisional or Pre-modern requirements but *does not* take the place of the required 100-series HIS course.

### History Major (Arts program)

This is a limited enrolment POST that can only accommodate a limited number of students. Eligibility will be based on a student's mark(s) in the required course(s). The precise mark thresholds outlined below are an estimate of what will be required in the coming POST admission cycle. Achieving those mark(s) does not necessarily guarantee admission to the POST in any given year.

Required courses: 1.0 HIS FCE at the 100-level; students must achieve a final mark of at least 65% in this or another 1.0 HIS FCE.

(7 full courses or their equivalent)

First Year: 1.0 HIS FCE at the 100-level; in addition, students may take 1.0 HIS FCE at the 200-level.

Higher Years:

Additional HIS courses to a total of seven, meeting the following requirements:

1. At least 2.0 FCEs at the 300-level or above, including 0.5 FCE at the 400-level
2. 1 FCE at the 200-level or above from each of the following divisions\*:
  - I. Asia/Africa/Middle East
  - II. Canada/United States/Latin America/Caribbean
  - III. Europe.
3. 1 FCE in pre-modern (pre-1800) history\*.

\* Courses that satisfy the Pre-modern and Divisional requirements are listed on the History website.

### Courses in other departments:

a) *Equivalent Courses*: the History Department website lists a number of history courses offered by other departments, such as East Asian Studies, Near and Middle Eastern Civilizations, and Classics which can be taken for program credit. Typically these courses are taught by faculty members who are trained as historians but whose primary appointment is in another department; they may include subjects not covered by HIS offerings. These are considered equivalent to HIS courses for the purpose of all program requirements *except* the 100-level requirement, and there is no limit on the number of these courses that can be included in a student's program.

b) *Related Courses*: the History Department website also lists a number of courses in other departments that may be substantially historical in content but that differ in methodology or approach from an HIS course. History Majors may draw up to 1.0 FCE to fulfill items 1 through 3 of the Major program. **Note**: A 100-level related course may be applied toward the Divisional or Pre-modern requirements but *does not* take the place of the required 100-series HIS course.

### History Minor (Arts program)

(4 full courses or their equivalent)

First Year:

1.0 HIS FCE at the 100-level is required. It is recommended that students complete this requirement prior to enrolling in the minor program.

Higher Years:

Additional HIS courses to a total of 4.0 FCEs, including at least 1.0 FCE at the 300- or 400-level.

### Courses in other departments:

a) *Equivalent Courses*: the History Department website lists a number of history courses offered by other departments, such as East Asian Studies, Near and Middle Eastern Civilizations, and Classics which can be taken for program credit. Typically these courses are taught by faculty members who are trained as historians but whose primary appointment is in another department; they may include subjects not covered by HIS offerings. These are considered equivalent to HIS courses for the purpose of all program requirements *except* the 100-level requirement, and there is no limit on the number of these courses that can be included in a student's program.

b) *Related Courses*: the History Department website also lists a number of courses in other departments that may be substantially historical in content but that differ in methodology or approach from an HIS course. History Minors may draw up to 1.0 FCE as part of their History program. **Note**: A 100-level related course may not be used to fulfill the required 100-series HIS course.

## Combined Degree Program (CDP) in Arts and Education: History (Major), HBA/MT

### Combined Degree Program (CDP) in Arts and Education: History (Major), Honours Bachelor of Arts/Master of Teaching

The Combined Degree Program in Arts/Science and Education is designed for students interested in studying the intersections of teaching subjects and Education, coupled with professional teacher preparation. Students earn an Honours Bachelor's degree from the Faculty of Arts and Science (St. George) and an accredited professional Master of Teaching (MT) degree from the Ontario Institute for Studies in Education (OISE). They will be recommended to the Ontario College of Teachers for an Ontario Teacher's Certificate of Qualifications as elementary or secondary school teachers. The CDP permits the completion of both degrees in six years with 1.0 FCE that may be counted towards both the

# History

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undergraduate and graduate degrees.

## Program requirements:

1. Minor in Education and Society, Victoria College
2. Major in History (first teaching subject)
3. Minor in an area corresponding to the second teaching subject as determined by OISE (see [http://pepper.oise.utoronto.ca/~jhewitt/mtresources/intermediate\\_senior\\_teaching\\_subject\\_prerequisites\\_2016-17.pdf](http://pepper.oise.utoronto.ca/~jhewitt/mtresources/intermediate_senior_teaching_subject_prerequisites_2016-17.pdf))

See here for additional information on the CDP, including admission, path to completion and contact information.

## History Courses

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### Note

Note: Not all of these courses are taught every year. Please check the Arts & Science timetable or the HIS Department website for the list of courses offered in 2015-16.

### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professional staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### 100-Series Courses

**All 100-series HIS courses are mutually exclusive. Students may enrol in only one 100-series History course. Students enrolled in more than one of these courses (or who have completed one of these courses or a previous HIS 100-series course with a mark of 50% or greater) will be removed at any time. First-Year students may take 200-series courses.**

#### HIS100Y1 History of the Arctic [48L/20T]

People have made the Arctic home for millennia, creating circumpolar cultures in its challenging climate. This course compares and examines connections in the contested polar region through several themes: cultures in contact, trade and exploration, environment, crime and punishment, and defense and sovereignty.

Exclusion: Any 100-level HIS course

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3) + Living Things and Their Environment (4)

#### HIS101Y1 Histories of Violence [48L/20T]

Ranging widely chronologically and geographically, this course explores the phenomenon of violence in history. It examines the role and meanings of violence in particular societies (such as ancient Greece and samurai Japan), the ideological foundations and use of violence in the clash of cultures (as in slavery, holy wars, colonization, and genocide), and the effects and memorialization of violence.

Prerequisite: None

Exclusion: Any 100-level HIS course

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2) + Society and

its Institutions (3)

#### HIS102Y1 Empires, Encounters and Exchanges [48L/20T]

Interactions among peoples, empires, and cultures, with particular attention to the non-European world. Can we speak of "international relations" before the modern concept of nation-states was established? What forms did globalization take in the pre-modern era? Covering a broad chronological sweep from before the Silk Road to the present day, we will look at exchanges of goods and technologies; dissemination of ideas and religions; voyages of migration and exploration; and episodes of conquest and colonization.

Exclusion: any 100-level HIS course

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2) + Society and its Institutions (3)

#### HIS103Y1 Statecraft and Strategy: An Introduction to the History of International Relations [48L/20T]

An analysis of the development of the international system, from 1648 to 1945, which highlights the role of war as an instrument of national policy, as a determinant of the system of states and as a threat to international society.

Exclusion: any 100-level HIS course

Distribution Requirement Status: None

Breadth Requirement: Society and its Institutions (3)

#### HIS106Y1 Natives, Settlers and Slaves: Colonizing the Americas, 1492-1804 [48L/20T]

North and South America and the Caribbean from Columbus to the American Revolution: aboriginal cultures, European exploration, conquest and settlement, the enslavement of Africans, the ecological impact of colonization.

Exclusion: any 100-level HIS course

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

#### HIS107Y1 Approaches to East Asian History [48L/20T]

This course draws on the history of China, Korea and Japan between 1600 to 1950 to explore historical issues of gender, nationalism, war and relations with the West.

Exclusion: any 100-level HIS course

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

#### HIS109Y1 The Development of European Civilization, 1350-1945 [48L/20T]

The shape of traditional society; the forces at work on the social, political, economic, cultural and intellectual structures of Western Europe since the high Middle Ages: the Structure of Traditional Society; the First Period of Challenges, 1350-1650; the Second Period of Challenges, 1650-1815; Confidence, Stability and Progress, 1815-1914; the Collapse of the Old Order and the Condition of Modern Europe, 1914-1945.

Exclusion: any 100-level HIS course

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

### 200-Series Courses



## **HIS202H1 Gender, Race and Science [24L/10T]**

This course examines scientific ideas about human difference from the 18th-century to the present. It explores how scientists and their critics portrayed the nature of race, sex difference, and masculinity/femininity in light of debates over nation, citizenship, colonialism, emancipation, knowledge and equality. The course will also introduce students to the uses of gender and race as analytic categories within the practice of history. While the course draws much of its subject matter from the history of the United States, it also explores selective issues in European and colonial contexts.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS205H1 Topics in Women's History [24L/10T]**

This course introduces students to the diverse experiences of women from a comparative perspective. Students will study how women's strategies have shaped the major cultural, economic, political and social processes in the world and how these processes have affected women's experiences in their particular societies. By studying women's history from both local and global perspectives, students will engage critically with claims that women's history is universal. The local focus of the course will rotate between Africa, Asia, Europe, and North America, depending on the expertise of the instructors.

Prerequisite: None

Exclusion: HIS245Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS205Y1 Topics in Women's History [48L/20T]**

This course introduces students to the diverse experiences of women from a comparative perspective. Students will study how women's strategies have shaped the major cultural, economic, political and social processes in the world and how these processes have affected women's experiences in their particular societies. By studying women's history from both local and global perspectives, students will engage critically with claims that women's history is universal. The local focus of the course will rotate between Africa, Asia, Europe, and North America, depending on the expertise of the instructors.

Exclusion: HIS245Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2) + Society and its Institutions (3)

## **HIS208Y1 History of the Jewish People [48L/20T]**

An introduction to the history of the Jews throughout the world over the past two thousand years.

Recommended Preparation: HIS102Y1/103Y1/109Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS220Y1 The Shape of Medieval Society [48L/20T]**

Economic, political, religious, and educational ideas and institutions of the Middle Ages, from the late Roman period to the fifteenth century.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS230H1 Indigenous and Early Colonial Caribbean History [24L/12P]**

This course introduces students to the study of Caribbean history from first human settlement to the late 18th century. Subject matter covered includes indigenous social structures, cosmology and politics; the process of European conquest; the economics, society and political order of colonial society; the Middle Passage; the everyday lives and struggles of enslaved peoples.

Prerequisite: None

Exclusion: HIS294Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS231H1 Revolution and Emancipation in the Colonial Caribbean [24L/12P]**

This course explores the history of the late eighteenth and nineteenth century Caribbean, from the Haitian Revolution to the U.S. occupation of Cuba and Puerto Rico. Students learn about the first struggles for political independence; the struggle to abolish the slave trade; slave emancipation; indentureship and struggles to define freedom after emancipation.

Exclusion: HIS294Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

Available Online: consult Faculty or Graduate Unit for details

## **HIS241H1 Europe in the Nineteenth Century, 1815-1914 [24L/10T]**

An introduction to modern European history from Napoleon to the outbreak of World War I. Important political, economic, social, and intellectual changes in France, Germany, Austria-Hungary, Italy, and other countries are discussed: revolution of 1848, Italian and German unification, racism and imperialism, the evolution of science, art, and culture, labour protest, and the coming of war.

Exclusion: EUR200Y1

Recommended Preparation: HIS103Y1/HIS109Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS242H1 Europe in the 20th Century [24L/10T]**

The evolution of European politics, culture, and society from 1914: the two world wars, Fascism and Nazism, the post-1945 reconstruction and the movement towards European integration.

Exclusion: EUR200Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS243H1 Early Modern Europe, 1450-1648 [24L/10T]**

The political, social, economic, and intellectual history of continental Europe. The Renaissance, the Reformation, Counter-reformation, growth of the territorial monarchies, the religious wars.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS244H1 Early Modern Europe, 1648-1815 [24L/10T]**

The political, social, economic, and intellectual history of continental Europe. Development of royal absolutism, social change and the crisis of the ancient regime, the Enlightenment, the French Revolution, the Napoleonic era.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

# History

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## **HIS245H1 European Colonialism, 1700-1965 [24L]**

This course will introduce students to the history of European colonialism. It will analyze the nature of colonial rule, the impact of empire on both colonies and metropolises, and delve into questions of power, gender and culture. It considers slavery and abolition, imperial networks, colonial capital, colonial competition, colonial cultures, the twilight of colonial rule, and a variety of settings.

Exclusion: HIS389Y0, 20155

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS250Y1 History of Russia (formerly HIS250H1) [48L/20T]**

This course is an introductory survey that examines the political, social, and cultural developments that shaped the Russian empire from the settlement of Kiev in the 9th century to the collapse of the Soviet Union in 1991.

Exclusion: HIS250H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS251Y1 History of East Central Europe [48L/20T]**

The Polish, Czech, and Hungarian background; the Balkans in the late medieval and early modern periods. Renaissance, Reformation and Counter-reformation, decline and national awakening to the beginning of the 19th century. Partitioned Poland, nationalism in the 19th century; World War I, Peace Settlement, interwar years and the Communist period.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS262H1 Canada: A Short History of Here [24L/10T]**

This course is intended for non-History students; History students are advised to take HIS263Y1 instead. Make sense of politics today and develop a deeper understanding of Canadian society and its institutions through the major events and demographic trends that have shaped the development of this country, while enhancing critical reading and thinking skills through short writing assignments. No research essay.

\*This course will not count towards History program requirements or as a pre-requisite for upper level courses.\*

Exclusion: HIS263Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS263Y1 Introduction to Canadian History [48L/15T]**

An introductory survey to the major events and trends that have shaped the political, social and economic history of Canada, including the challenges of indigenous-newcomer and French-English relations over more than four centuries of interactions.

Exclusion: HIS262Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS264H1 Critical Issues in Canadian History [24L/12T]**

This course introduces key issues in Canadian history and foundational principles of historical analysis. It is primarily designed for potential History majors/specialists. It is not a comprehensive survey. Examples serve to deepen analysis and introduce important methods and debates, preparing students for upper year courses in Canadian history.

Exclusion: HIS263Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS271Y1 American History Since 1607 [48L/20T]**

A survey of the economic, social, cultural, and political history of the United States from the colonial era to present times.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS280Y1 History of China [48L/20T]**

A broad overview of the history of China from earliest times to the present. The emphasis is on how the meaning of China and the Chinese people has changed through history.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS281Y1 History of Modern Japan [48L/20T]**

Political, military, social, economic, and intellectual history of Japan from beginning of Tokugawa period (1603) to the present. Emphasis on the long term modernization and democratization of Japan, and passage through imperialism and militarism to peace.

Exclusion: EAS223H1/EAS223Y1/HIS281H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS282Y1 History of South Asia [48L/20T]**

An introductory survey addressing major themes in the history of South Asia, examining South Asian political economy, social history, colonial power relations and the production of culture. Emphasis is on the period after 1750, particularly the study of colonialism, nationalism, and postcolonial citizenship and modernity.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS283Y1 Southeast Asian Crossroads [48L/20T]**

This course surveys the historical experiences of the states that constitute present-day Southeast Asia and examines how long term socio-economic trends affected the daily lives of Southeast Asians. Lectures introduce the major themes while weekly readings explore the major themes of the course: state structure; cultural commonalities; ethnic, class and gender relations; religious practice and trade.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS284Y1 Viet Nam: Crossroads of Asia [48L/20T]**

Examines the history of Viet Nam from its mythical origins to the contemporary period, exploring the country's long experience with Chinese and South Asian cultural influence. Themes include Sinicization and Indianization; constructions of gender; state formation; the introduction and impact of the world religions; colonization and nationalism; and the impact of globalization.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS291H1 Latin America: The Colonial Period (formerly HIS291Y1) [24L/10T]**

The evolution of Spanish and Portuguese America from pre-Columbian civilizations to the wars of independence.

Exclusion: HIS291Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS292H1 Latin America: The National Period (formerly HIS292Y1) [24L/10T]**

A survey of Latin American history from the wars of independence to the present day.

Exclusion: HIS292Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS293H1 The Making of the Atlantic World, 1480-1804 [24L/10T]**

This course introduces students to the social, economic, cultural and political history of the Atlantic world resulting from European exploration and colonization in the Americas beginning in the 1490s and the growth of the transatlantic slave trade. It focuses on interactions between Africans, Europeans, and Amerindians around the Atlantic Ocean.

Prerequisite: HIS102Y1/106Y1/109Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS295Y1 African History and Historical Methodology [48L/24T]**

An introduction to African history and the methodology of history more broadly, this course sets out to question how historians do history, examine differences in theories of knowledge, and explore the relationship between academic and cultural representations of the past. The course also draws on anthropology and related disciplines.

Exclusion: HIS381H1, HIS382H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) +

Thought, Belief and Behaviour (2)

## **HIS297Y1 History of Africa from a Gender Perspective [48L/20T]**

This survey of African history is analytical rather than narrative in its approach. It rethinks the way that African history has hitherto been conceptualized and taught by placing the question of gender at the center of the story of Africa.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS299Y1 Research Opportunity Program**

Credit course for supervised participation in faculty research project.

Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **300-Series Courses**

Note:

First-year students are not permitted to enrol in 300-series HIS courses.

## **HIS300H1 Energy and Environment in North American History [24L/6T]**

This course examines the history of energy in North America from the perspective of political economy, environment and social-cultural history. Particular attention is paid to twentieth-century developments and to the relationship between energy and social power. Examples are drawn from both Canada and the United States.

Prerequisite: HIS263Y/271Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **JSH300H1 Literature and History in Russia [24L]**

History and Literature were always interconnected in Russia. Writers not only sought to reflect the society around them, but were themselves often social critics and political figures. The course examines key texts in Russian literary tradition both as works of art and as primary sources for the historian. All readings in English.

Recommended Preparation: HIS250H1/HIS250Y1 or SLA240H1/SLA241H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **HIS301H1 Imperial Spain (formerly HIS301Y1) [24L]**

This course treats the political, social, and religious history of Spain and its empire ca.1450-1714, including the history of colonial Latin America.

Exclusion: HIS301Y1

Recommended Preparation: HIS243H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS302H1 Material Culture in Victorian Britain (formerly HIS302Y1) [24L]**

An examination of the products of the first and second industrial revolutions in Victorian England. This course focuses on the cultural history of commercialization and consumerism.

Exclusion: HIS302Y1

Recommended Preparation: HIS109Y1 or 241H

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS303H1 The Mediterranean, 600-1300: Crusade, Colonialism, Diaspora [36L]**

The course treats contact and conflict between Christians, Muslims, and Jews in the premodern Mediterranean world. Within the framework of broad political and economic developments, the course explores a range of topics, including holy war, slavery, religious polemics, colonialism, the commerce in goods and ideas, and ethnic relations.

Recommended Preparation: HIS220Y1 or NMC273Y1 or some medieval history

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS304H1 Topics in Middle East History [24L]**

An in-depth examination of Middle East historical issues. Content in any given year depends on instructor. See History Website for more details.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **JHP304Y1 Ukraine: Politics, Economy and Society [48L]**

The history of Ukraine from earliest times to the present. Economic, political, and cultural movements; Kievan Rus', Polish-Lithuanian Commonwealth, Cossack state, national revival, twentieth century statehood, and unification. As this course is designed as an introductory course, the professor welcomes first- and second-year students to enroll, as well as upper-level students. (*Given by the Departments of History and Political Science*)

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

# History

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## **HIS305H1 Popular Culture and Politics in the Modern Caribbean [24L]**

This course examines the connections between popular culture and politics in the modern Caribbean. Aspects of popular culture such as sport, religion, and social constructions of gender will be discussed. The impact of post-war migration, race and racial nationalism and the upheavals of the 1960s on popular culture in the Caribbean will also be themes.

Prerequisite: HIS294Y1/HIS230H1,231H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **HIS307H1 Canadian Political Issues [36L]**

Ten key issues in Canadian politics from the 1850s to the 1990s: background, partisan divisions, debates, mobilization of support and opposition, outcomes.

Prerequisite: HIS263Y1/HIS264H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **HIS308H1 The Mediterranean, 1300-1700 [36L]**

This course continues with the themes treated in HIS303H1, specifically in the context of relations between the Ottoman empire and European states and the growing impact of the Atlantic world on the Mediterranean.

Prerequisite: HIS303H1  
Exclusion: HIS303Y1  
Recommended Preparation: HIS220Y1/HIS243H1/NMC273Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **HIS309H1 The European Reformations [36L]**

What happens when a culture changes its religious organization and beliefs? Social and intellectual upheavals beginning in fifteenth century Europe created the split between Catholic and protestant Christians and reshaped the spiritual and political landscape of sixteenth century Europe. Issues covered include religion and politics, toleration, gender, popular piety, class.

Prerequisite: HIS243H1 / VIC240Y1 or permission of the instructor  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **HIS310H1 Histories of North American Consumer Culture [24L/6T]**

This course examines the emergence of a modern 'consumer society' in North America from about 1850 to recent times. The aim is to combine political, social, economic and cultural history to chart changing relationships between North Americans, consumer commodities, and identities.

Prerequisite: HIS263Y1/HIS264H1/HIS271Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **HIS311Y1 Introduction to Canadian International Relations [48L/10T]**

Canadian international affairs in a broader context. Anglo-American as well as Canadian-American relations; the European background to questions such as the League of Nations, appeasement and rearmament, which directly affected Canada without this country being consulted.

Recommended Preparation: A course in Canadian history or politics  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **HIS312H1 Immigration to Canada [24L/5T]**

The peopling of Canada by immigrant groups from the 1660s to the 1970s. Immigration and multiculturalism policies; migration and settlement; ethnic communities; relations with the host society.

Recommended Preparation: HIS263Y1/HIS264H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **HIS313H1 Canadian Labour and the Left (formerly HIS313Y1) [24L]**

Canadian labour history from political action to collective bargaining in the period from Confederation to the present.

Prerequisite: ECO244Y1/HIS263Y1/HIS264H1/WDW244H1/WDW244Y1  
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Exclusion: HIS313Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **HIS314H1 Quebec and French Canada (formerly HIS314Y1) [24L]**

A general survey tracing the political, social, and cultural development of a distinct society in Quebec and the rise of self-conscious French-speaking communities elsewhere in Canada.

Exclusion: HIS314Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **HIS315H1 Narratives of Viet Nam [24L]**

This course introduces students to the multiple ways in which the diverse populations inhabiting the geographic space of Viet Nam construct their histories. Perspectives from Chinese, Charn, ethnic minority and Vietnamese majority populations will be explored.

Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **HIS317H1 20th Century Germany (formerly HIS317Y1) [24L]**

A survey of modern German history in the twentieth century. Topics include World War I and the postwar settlement, the Weimar Republic, the National Socialist dictatorship, the Holocaust, the division of Germany, the Cold War, German reunification, Germany and the European Union, nationalism, political culture, war and revolution, religious and ethnic minorities and questions of history and memory.

Prerequisite: HIS103Y1/109Y1/241H1,242H1/EUR200Y1  
Exclusion: HIS317Y1 and HIS341Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **HIS318H1 The "Wild" West in Canada [24L/7T]**

What happens when histories of Canada begin in the West? This course examines the critical challenges that the myths and legacies of the West pose to Canadian history, from pre-contract to 1990. Themes include First Nations and colonialism, immigration, racism, economic development, regionalism, prostitution and illegal economies.

Prerequisite: HIS263Y1/HIS264H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **HIS319H1 Renaissance France and the Wars of Religion, 1483-1610 [24L]**

Considers the expansion of the French state at the close of the 100 Years War, cultural and social change during the Renaissance, religious change and the Protestant Reformation, the emergence of religious conflict and the Wars of Religion. A range of primary sources and historiographical perspectives will be considered.

Prerequisite: HIS243H1/HIS309H1/HIS388H1/HIS443H1 or permission

of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS320H1 Barbarian Invasions and the Fall of the Roman Empire [24L/5T]**

Covers major events and themes for the period 300-600, including decline of Greco-Roman paganism, conversion to Christianity, individual barbarian groups (Ostrogoths, Visigoths, Huns, Burgundians, Vandals, Franks, Lombards), their culture and impact on empire, Justinians reconquests.

Recommended Preparation: HIS220Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS321H1 Dark Age Europe, 7th 10th Centuries [24L/5T]**

Surveys major events and figures for the period c. 600-1000, including: Pope Gregory the Great, the Morovingian Franks, Lombard Italy, Byzantine civilization, the rise of Islam, Charlemagne, the Carolingian Renaissance, the Vikings, Anglo-Saxon England to King Alfred, the Ottonians.

Exclusion: HIS320Y1

Recommended Preparation: Some ancient history, ancient Greek or Latin language, early Christianity, Celtic history, Old Irish and Old English languages.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS322H1 The High Middle Ages [48L/10T]**

Chronological survey of the history of medieval Europe from 1100 to approximately 1450. The three main topics are: the formation of the modern states, the impact of urban development, and the evolution of spirituality.

Prerequisite: HIS220Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS323H1 Rites of Passage and Daily Life in the Middle Ages (formerly HIS323Y1) [24L/5T]**

Reflecting on the life cycle and rites of passage in the medieval period gives the opportunity to study the daily lives of peasants, nobles, monks, nuns, and burghers, and to observe from an interesting angle the differences between female and male life experiences.

Prerequisite: A course specifically on the Middle Ages such as HIS220Y1

Exclusion: HIS323Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **JHN323H1 Indigeneity in the Caribbean [24L]**

Explores the legacies of the pre-Columbian era, as well as the post-1492 experiences of people of pre-Columbian Caribbean ancestry. Examines the origins and consequences of the Caribbean's narrative of "indigenous absence", as well as the relationship between indigeneity, globalization and diaspora.

Prerequisite: ABS201Y1/HIS230H1/HIS231H1/NEW120Y1/NEW220H1/NEW221H1/NEW224Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS324H1 British Imperial Experience, 1600-2000 [24L]**

The British empire, at its zenith, covered one-quarter of the earth's land surface. Whatever the rights and wrongs of its history were, the legacies of this global experience continue to influence politics in today's world. Equal coverage is given to early modern and modern history. Some background in British history or international relations is strongly recommended. This course begins at home with English expansionism in the British Isles before moving on to deal with case studies selected from North America, the Caribbean, Africa, South Asia and East Asia. Coherence comes from thematic foci consisting of economics, law, migration, gender and governance.

Prerequisite: HIS103Y1/109Y1/241H1/244H1/245H1/368H1/337H1/349H1

Recommended Preparation: HIS102Y1/103Y1/109Y1/202H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS325H1 Imperial Russia (formerly HIS325Y1) [24L]**

This course focuses on Russia's history during a period of remarkable change and turbulence, when the country more firmly established its far-flung empire while simultaneously attempting to define itself as a nation. From the wars and reforms of Peter the Great through the end of the empire during the First World War, the course touches on questions of social and cultural change, and the political events that allowed or constrained them.

Prerequisite: HIS250H1/HIS250Y1/permission of instructor

Exclusion: HIS325Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS326H1 Topics in Chinese History [24L]**

Selected topics on a specific period in Chinese history. Topics in any given year depend on the instructor.

Prerequisite: HIS280Y

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS328H1 Modern China (formerly HIS328Y1) [24L]**

An examination of political, social and economic developments in modern Chinese history to the present day. Main topics may include the decline of the Imperial order and the challenge of Western imperialism; the Republican period; the rise of the Communist movement; the Peoples Republic of China.

Prerequisite: HIS280Y1/EAS102Y1

Exclusion: JMC201Y1, HIS328Y1

Recommended Preparation: HIS380H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS330H1 Germany from Frederick the Great to the First World War (formerly HIS317Y1) [24L]**

Topics include German reactions to the French Revolution, Napoleonic occupation, the Wars of Liberation, industrial expansion, the Revolutions of 1848, unification in 1871, Bismarck and Kaiser Wilhelm II, everyday life, gender relations, avant-garde culture, nationalism, antisemitism, colonialism, and the Great War of 1914-18.

Prerequisite: EUR200Y1/HIS241H1

Exclusion: HIS341Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

# History

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## **HIS331H1 Modern Baltic History (formerly HIS331Y1) [24L]**

The history of the Baltic countries, Estonia, Latvia and Lithuania from 1900 to the present day, with emphasis on the emergence of independent Baltic states, World War II, communist era, the Baltic Revolution, the restoration of independence and European integration.

Exclusion: HIS331Y1

Recommended Preparation: HIS250H1/HIS250Y1/HIS251Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS332H1 Crime and Society in England, 1500-1800 (formerly HIS332Y1) [24L]**

The changing nature of crime and criminal justice in early-modern England; the emergence of modern forms of policing, trial and punishment.

Prerequisite: Successful completion of 8 full credits, including one full HIS credit

Exclusion: HIS332Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS333H1 Catholic Asia in the Early Modern Era, 1500-1800 [24L]**

This course examines the impact of Catholicism in Asia, from its introduction to its relevance in the contemporary global order. Students will be introduced to how Catholicism and the technologies accompanying it affected historical transitions in local communities in Asia as well as how the growth of these communities has affected the global Catholic Church.

Prerequisite: A course in European or Asian history

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS334H1 East Central Europe and the Great Powers in the Short 20th Century, 1914-1991 (formerly HIS334Y1) [24L]**

The diplomatic, economic and military activities of Russia, Germany, Austria, France, Great Britain and the U.S. vis a vis Central Europe. Russian and German expansion, partitions of Poland, disintegration of the Ottoman Empire, the Napoleonic and World Wars, political systems created in Vienna, Versailles and Yalta, the Cold War and the disintegration of the Soviet outer empire.

Prerequisite: EUR200Y1/HIS251Y1/permission of the instructor

Exclusion: HIS334Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS335H1 Soviet Cultural History [24L]**

This course explores Russian culture - art, architecture, film and literature - from 1917 to the post-Soviet present. Readings and screenings trace the relation between culture, history, and revolution from the Russian Avant-Garde and proletarian culture to socialist realism, and from Krushchev's thaw to examples of Soviet postmodernism.

Prerequisite: HIS250H1/HIS250Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **HIS336H1 Medieval Spain [36L]**

This course emphasizes the interaction of Christians, Muslims, and Jews, and the cultural and political distinctiveness of Castile and Aragon in the development of state, society, and culture in medieval Spain.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS337H1 Culture, Politics and Society in 18th Century Britain (formerly HIS337Y1) [24L]**

Deals with England, Scotland, Ireland and the Atlantic World. Addresses major political, social, economic, intellectual and cultural highlights of the "long" eighteenth century. Deals with enlightenment, industrialization and the loss of the first British empire. Interrogates Britain's emerging status as a world power.

Exclusion: HIS337Y1

Recommended Preparation: EUR200Y1/HIS109Y1/243H1/244H1/368H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS338H1 The Holocaust, to 1942 (formerly HIS338Y1/398Y1) [24L/5T]**

German state policy towards the Jews in the context of racist ideology, bureaucratic structures, and varying conditions in German-occupied Europe. Second Term considers responses of Jews, European populations and governments, the Allies, churches, and political movements.

Prerequisite: Completion of six undergraduate full-course equivalents

Exclusion: HIS388Y1/398Y1

Recommended Preparation: A course in modern European history

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS341Y1 Germany Among the Global Empires 1840-2010 [48L]**

This course places Germany's long national history in a transnational and global context, exploring its place among the global empires of Britain, Russia, France and the United States from the mid-seventeenth century to the present. Events of the German nation-state's political, social and cultural developments are analyzed through a framework focused on both military expansion and the development of the world economy after 1700. Particular attention is paid to the interplay between strategies for a global expansion and transformations in national culture, looking at Germany in the world and the world in Germany.

Prerequisite: Two HIS courses from the following:

HIS102Y/103Y/107Y/109Y/241H/242H/243H/244H/EUR200Y/HIS250Y/271Y

Exclusion: HIS317H1 and HIS330H1

Recommended Preparation: HIS102Y/109Y/241H/242H

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) +

Society and its Institutions (3)

## **HIS343Y1 History of Modern Espionage [48L]**

Offered for the last time in Summer 2016. An introduction to the historical origins and evolution of modern intelligence services. Topics to be studied include: intelligence in wartime; technological change; intelligence failures; covert operations; counter-espionage; the future of spying. The impact of the popular culture, both in fiction and film is also examined.

Recommended Preparation: HIS103Y1 or an equivalent introduction to modern international relations

Distribution Requirement Status: This is a Humanities course

Breadth Requirement: Society and its Institutions (3)

## **HIS343H1 History of Modern Espionage (Formerly HIS343Y1) [24L]**

An introduction to the historical origins and evolution of modern intelligence services. Topics to be studied include: intelligence in wartime; technological change; intelligence failures; covert operations; counter-espionage; the future of spying. The impact of the popular culture, both in fiction and film is also examined.

Exclusion: HIS343Y1

Recommended Preparation: HIS103Y1 or an equivalent introduction to modern international relations

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS344Y1 Conflict and Co-operation in the International System Since 1945 [48L]**

Offered for the last time in Summer 2016. An examination of the conduct and consequences of international politics in an atomic/nuclear age when the stakes of the Great Game were not just the fates of states and nations, but the survival of humanity itself. The diplomatic, strategic and economic aspects of international relations will all receive appropriate elucidation.

Recommended Preparation: EUR200Y1/HIS103Y1/HIS241H1, HIS242H1

Distribution Requirement Status: This is a Humanities course

Breadth Requirement: Society and its Institutions (3)

## **HIS344H1 Conflict and Co-operation in the International System Since 1945 (Formerly HIS344Y1) [24L]**

An examination of the conduct and consequences of international politics in an atomic/nuclear age when the stakes of the Great Game were not just the fates of states and nations, but the survival of humanity itself. The diplomatic, strategic and economic aspects of international relations will all receive appropriate elucidation.

Exclusion: HIS344Y1

Recommended Preparation: EUR200Y1/HIS103Y1/HIS241H1, HIS242H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS345H1 History and Film [24L/36P]**

This course is designed to further students knowledge of films relationship to the events they depict and their undeniable power as representational systems to render history effectively. This will necessarily entail both close examination of the formal systems film rely upon and an understanding of the distinction between fictional and non-fictional forms in film.

Prerequisite: 2 full courses in history or permission of instructor

Recommended Preparation: INI212Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS346H1 Rice and Spice in Southeast Asia: a Regional Food History [24L]**

This course examines the importance of food products in the livelihoods of the inhabitants of Southeast and in the world economy. It traces the circulation of these products within the Southeast Asian region in the pre-modern period, into the spice trade of the early modern era, and the establishment of coffee and sugar plantations in the late colonial period, and the role of these exports in the contemporary global economy.

Recommended Preparation: HIS283Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **HIS347H1 The Country House in England 1837-1939 [24L]**

This course examines class, distinction and community through the lens of the English country house from 1837 to 1939. Topics include owners, servants, houses, collections, gardens and rituals such as fox hunting.

Prerequisite: A course in British or European history

Recommended Preparation: HIS349H1/HIS302H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS348H1 Topics in Gender History [24L]**

An in-depth examination of issues in gender history. Content in any given year depends on instructor. See History website for more details.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS349H1 History of Britain: Struggle for Power [24L]**

An introduction to the history of modern England with emphasis on the search for identity with reference to the nation, the crown, class, gender, age, political parties, race and ethnicity.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS350H1 War, State & Society [24L]**

This course surveys the relationship between society, the military, and warfare from the 18th century to the present. Combining methodologies from History and International Relations, we examine the distinction between war and other kinds of inter-human conflict; the origins and effects of conscription; the relationship between modern nationalism and military service; gendered and minority perspectives on combat; and the impact of the World Wars on combatants and civilians.

Prerequisite: A course in European history

Recommended Preparation: HIS103Y1/HIS241H1/HIS242H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS351Y1 History of Twentieth-Century Russia [48L]**

A survey of the history of Twentieth-Century Russia. The social, economic, and political development of Twentieth-Century Russia, with an emphasis on the Russian Revolution and Stalinism. Stress is placed on modern historiographical issues.

Prerequisite: HIS250Y1/250H1/242H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS353Y1 Poland: A Crossroads of Europe [48L]**

Social and political history of Poland from the 10th to the 20th century. Analysis of the political history in a broader, central European context; consequences of Christianization of medieval Poland and the Polish-Lithuanian union; Sarmatian culture, Antemurale, Polish Messianism and Cordon sanitaire.

Prerequisite: HIS251Y1/permission of the instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS354H1 Men, Gender and Power in Europe from the Renaissance to the French Revolution (formerly HIS354Y1) [24L]**

An investigation of how ideas of masculinity and gender roles shaped the exercise of private and public power in early modern Europe.

Exclusion: HIS354Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

# History

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## **HIS355H1 A History of Pre-modern Medicine [24L]**

This course surveys major themes and developments in the history of medicine from c.600 BCE to 1800 CE. Topics include: Hippocrates, Galen and their reception in the Middle Ages; monasteries, medicinal gardens and hospitals; medieval licensing of physicians and pharmacists; medieval scholastic medicine; the Black Death; Renaissance anatomy and charlatans; New World drug discoveries; William Harvey's heart, William Witherings's foxglove, the isolation of morphine.

Prerequisite: A course in medieval or pre-modern history

Recommended Preparation: HIS220Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS356Y1 Zionism and Israel [48L]**

A survey of the history of Jewish nationalism, the Zionist movement, and the state of Israel from the 1880s to the present, with particular focus on continuity and rupture between Palestines pre-1948 Jewish community and the Israeli state.

Exclusion: HIS356H1

Recommended Preparation: A course in modern European, Jewish or Middle Eastern history

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS357Y1 A Social History of Renaissance Europe (formerly HIS357H1) [48L]**

A social history of the 15th and 16th centuries set against the cultural and political background. Emphasis on changes in customs and living conditions resulting from economic, legal, intellectual, and religious developments of the period.

Exclusion: HIS357H1

Recommended Preparation: A course in Renaissance or Early Modern European history

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS359H1 Regional Politics and Radical Movements in the 20th Century Caribbean [24L]**

The role of nationalism, race and ethnicity, class conflict and ideologies in the recent development of Caribbean societies; Europe's replacement by the United States as the dominant imperial power in the Caribbean; how this mixture of regional and international pressures has led to widely differing political systems and traditions.

Recommended Preparation: HIS294Y1/HIS230H1,231H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS360H1 African Canadian History, 1606- Present (formerly HIS360Y1) [24L]**

This course traces the earliest known arrival of people of African descent in Canada from the early seventeenth century to the time of their more recent postwar immigration trends. Using socio-historical and multidisciplinary approaches, settlement, community and institutional building and survival will be examined within the framework of other Canadian historical developments.

Exclusion: HIS360Y1

Recommended Preparation: HIS263Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS361H1 The Holocaust, from 1942 [24L/5T]**

Follows on HIS338H1. Themes include: resistance by Jews and non-Jews; local collaboration; the roles of European governments, the Allies, the churches, and other international organizations; the varieties of Jewish responses. We will also focus on postwar repercussions of the Holocaust in areas such as justice, memory and memorialization, popular culture and politics.

Prerequisite: completion of 6 undergraduate full-course equivalents and HIS338H1

Exclusion: HIS338Y

Recommended Preparation: a course in modern European history

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS362H1 The Hansa: The World of Merchants [24L]**

The history of the Hanseatic League in medieval Europe from the late 12th to the late 16th century, with emphasis on the organization of the German Hansa, maritime activities, Hanseatic trade, and daily life of the Hanseatic merchants in Western and Eastern Europe.

Prerequisite: HIS220Y1 or permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS363H1 Dynamics of Gender in Canadian History [24L]**

A lecture course which deals thematically with gender issues in Canadian history (including familial roles, changing patterns of work and employment, and participation in the public sphere).

Prerequisite: HIS263Y1/HIS264H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS364H1 From Revolution to Revolution: Hungary Since 1848 [24L]**

This course offers a chronological survey of the history of Hungary from the 1848 revolution until the present. It is ideal for students with little or no knowledge of Hungarian history but who possess an understanding of the main trends of European history in the 19th and 20th centuries. The focus is on the revolutions of 1848-1849, 1918-1919, the 1956 Revolution against Soviet rule and the collapse of communism in 1989. The story has not been invariably heroic, violent and tragic.

Prerequisite: A 100 level HIS course

Exclusion: None

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS365H1 History of the Great Lakes Region [24L/6T]**

A survey of the Great Lakes Region as a trans-national space from fur trade to free trade. Attention is given to the political, social, economic, environmental, and cultural histories that affected the development of the region.

Prerequisite: HIS263Y1/HIS264H1/HIS271Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS366H1 Aboriginal Peoples of the Great Lakes from 1815 to the Present [24L/5T]**

Explores the history of Aboriginal peoples (Indigenous and Metis) living in the Great Lakes Region after the Great Lakes were effectively split between British North America (later Canada) to the north and the United States to the south, when a rapidly increasing newcomer population on both sides of the border marginalized Indigenous peoples and settled on their land. Topics include a comparative examination of Indigenous experiences of colonialism, including treaties and land surrenders as well as the development of government policies aimed at removing and/or



assimilating Great Lakes peoples. This course will also study resistance by First National and Tribal Councils to those programs over nearly two centuries and assess local strategies used for economic and cultural survival.

Prerequisite: HIS263Y1/HIS264H1/HIS271Y1

Exclusion: HIS369Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

### **HIS367Y0 The City in Central Europe: Imperial Pasts, Imperial Aspirations, Wars and Revolutions [48L]**

The cities of Central Europe, and most notably those of the Habsburg Empire, were at the forefront of Europe's cultural, artistic and intellectual development until the outbreak of the Second World War. Moreover, these cities remain living monuments to the achievements of European culture to the present day. These cities also represent some of the darker aspects of European history. The goal of this course is to familiarize students with the history of Central Europe, the complex historical role of central European cities, their interaction with imperial and then national cultures, economies and societies, and their importance in creating modern nation states.

Offered in summer only as part of the Summer Abroad Program.

Prerequisite: 1 FCE in History

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

### **HIS368H1 Early Modern Britain, 1485-1660 (formerly HIS238H1) [24L]**

Introduction to the political, social and religious history of early modern England, Scotland and Ireland. Particular attention will be paid to the history of the monarchy, the Protestant Reformation, gender issues and relations between different parts of the British Isles.

Exclusion: HIS337Y

Recommended Preparation: EUR200Y1, HIS109Y1/243H1/244H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

### **HIS369H1 Aboriginal Peoples of the Great Lakes from 1500 to 1830 [24L/5T]**

Explores the history of Aboriginal peoples (Indigenous and Métis) living in the Great Lakes Region from the 16th century to the aftermath of the war of 1812. Weaving together interdisciplinary sources, this course examines central events in Great Lakes history including the formation of the Wendat and Haudenosaunee Confederacies and key Anishinaabek alliances, the arrival of European newcomers into an Indigenous landscape, the social-political impact of new diseases, reactions to European missionaries, the fur trade, major conflicts and peace processes including the Great Peace of Montreal, the Treaty of Niagara and the 60 Years War for the Great Lakes; and ending with the period of significant encroachment of new settlers on Indigenous lands. Tutorials, primary source analysis, essay, exam.

Prerequisite: HIS263Y1/HIS264H1/HIS271Y1/ABS201Y1

Exclusion: HIS369Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

### **HIS372H1 Topics in U.S. History [24L]**

In-depth examination of selected periods or themes in U.S. history.

Topic in any given year depends on instructor. See History website for more details.

Prerequisite: HIS271Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

### **HIS373H1 Servants and Masters, 1000-1700 [24L]**

This course will explore the history of all types of servants, from the ladies-in-waiting to the domestic slaves, in Western Europe between 1000 and 1700. The goal will be to observe especially their working and living conditions, as well as the changing perception of service through time.

Prerequisite: A course on the Middle Ages or on the early Modern Period

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

### **HIS374H1 American Consumerism - The Beginnings [24L/6T]**

This course looks at the early origins of American consumerism. It begins with 17th-century England and the economic imperatives within the Atlantic World, then traces the changing attitudes of 18th-century Americans towards consumer goods, fashion and style that led to the mass consumption of the 19th century.

Prerequisite: HIS271Y1 and at least 6 completed undergraduate courses.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

### **HIS375H1 Politics and Protest in Postwar North America [24L]**

This course will explore the background, experience, and legacy of protest movements in North America during the post-1945 era. The course will draw on cutting edge historical literature, and will compare and contrast the American and Canadian contexts. Topics will include the Cold War, the Civil Rights Movement, feminism, nationalism, environmentalism, labour, and the New Left.

Prerequisite: Completion of a minimum of 4.0 FCEs

Exclusion: HIS378H1

Recommended Preparation: HIS263Y1/HIS264H1/HIS271Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

### **HIS376H1 The United States: Now and Then [24L]**

An exploration of some of the historical roots of issues that are of particular importance to understanding the United States of the early 21st century: e.g., the conflicts in Iraq, Afghanistan, and Syria and U.S. global leadership (or hegemony); the impact of globalization on the domestic economy; cultural innovation vs. neo-conservatism.

Prerequisite: HIS271Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

### **HIS377H1 20th-Century American Foreign Relations (formerly HIS377Y1) [24L]**

A survey of the history of American foreign relations from 1898 to the present. Themes include imperial expansion and the uses of power; the relationship of business and government in U.S. foreign policy; and the role of culture and ideas in Americas relations with the world.

Prerequisite: HIS271Y1/POL208Y1

Exclusion: HIS377Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

# History

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## **HIS378H1 America in the 1960s [24L]**

A survey of one of the most turbulent decades in American history. Examines the political, social, economic and cultural revolutions that transformed the face of America.

Prerequisite: HIS271Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS379H1 Vietnam at War [24L]**

This course examines the French and American Wars (1945-75) in Vietnam and its effects on the population of Vietnam and Southeast Asia. It begins with a brief overview of pre-colonial Vietnamese history and moves into a study of the impact and legacies of colonial rule and centres on the impact of the Wars on the cultures, economies, and societies of Southeast Asia.

Prerequisite: HIS283Y1 or another Asian history course.

Exclusion: HIS400H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS380H1 Late Imperial China (formerly HIS380Y1) [24L]**

The political, social, and economic history of China from the period of political and economic reorganization in the Song dynasty to the final glory of the imperial order down to the end of the 18th century and its decay in the 19th.

Prerequisite: EAS102Y/HIS280Y1/JMC201Y1

Exclusion: HIS380Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS383Y1 Women in African History (formerly HIS383H1) [24L]**

This course subjects our increasing knowledge about African women's history from the mid-19th century to the present to critical analysis. It goes beyond restoring women to history and seeing African women as victims impacted upon and struggling against colonialism and neo-colonialism. It examines how African women's lived experiences have been represented, packaged, and delivered to different audiences.

Prerequisite: HIS295Y1/297Y1/NEW150Y1/NEW250Y1/NEW351Y/POL301Y1 or permission from the Instructor

Exclusion: HIS383H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **JHA384H1 Japan in the World, mid-16th to mid-20th century [24L]**

This course examines Japan within the context of world history from the mid-16th to the mid-20th century. Rather than seek comprehensive coverage of Japan's national history along a linear timeline, we will use Japan as a lens through which to consider key moments in the history of the modern world.

Prerequisite: HIS102Y1/HIS103Y1/HIS107Y1/HIS241H1/HIS242H1/HIS244H1/HIS250H1/HIS250Y1/HIS271Y1/HIS280Y1/HIS281Y1/HIS282Y1/HIS283Y1/HIS291H1/HIS291Y1/HIS292H1/HIS292Y1/HIS297Y1 or permission of the instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS385H1 The History of Hong Kong [24L]**

A study of political, economic, and social change in the British colony of Hong Kong from 1842 until the present day.

Exclusion: Students cannot take both the Y and H version of HIS385

Recommended Preparation: HIS280Y1/JMC201Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS385Y0 The History of Hong Kong [48L]**

A study of political, economic, and social change in the British colony of Hong Kong from 1842 until the present day.

Offered in summer only as part of the Summer Abroad Program.

Exclusion: Students cannot take both the Y and H version of HIS385

Recommended Preparation: HIS280Y1/JMC201Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS387H1 France, 1610-1848 (formerly HIS388Y1) [24L]**

This course considers the history of France, from the rise of absolutist monarchy under the seventeenth-century, Bourbon monarchs, through the Enlightenment, the Revolution and Napoleonic Empire, and the Restoration, to the fall of the constitutional monarchy in 1848.

Prerequisite: one HIS/FRE course

Exclusion: HIS388Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS388H1 France Since 1848 (formerly HIS388Y1) [24L]**

A study of French society, politics and culture from the Paris Commune to the 1990s. Special attention is paid to watersheds like the Dreyfus Affair and the Vichy regime, to issues of regionalism/nationalism, cultural pluralism, women's rights, intellectual and cultural trends, and decolonization.

Prerequisite: EUR200Y1/one course in HIS/FRE

Exclusion: HIS388Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS389H1 Topics in History [24L]**

In-depth examination of historical issues. Content in any given year depends on instructor. See History website for more details.

Prerequisite: 9.0 FCEs including 1.0 FCE HIS course. Further prerequisites vary from year to year, consult the department.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **HIS389Y1 Topics in History [48L]**

In-depth examination of historical issues. Content in any given year depends on instructor. See History website for more details.

Prerequisite: 9.0 FCEs including 1.0 FCE HIS course. Further prerequisites vary from year to year, consult the department.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **HIS391Y1 Black Freedom in the Atlantic World [72L]**

Black writers and historical actors were at the vanguard of re-conceiving, implementing, and realizing much of the Enlightenment project of freedom. Africans and people of African descent significantly affected its meaning in the Atlantic world. The course sets out to explore this history as well as the contemporary practice of freedom.

Prerequisite: A course in African or European history

Exclusion: HIS296Y1

Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **JAH391H1 Topics in Anthropology and History [24S]**

Anthropological and Historical perspectives on topics that vary from year to year.

Recommended Preparation: ANT204H1 or a course in European History  
Distribution Requirement Status: Humanities or Social Science  
Breadth Requirement: Society and its Institutions (3)

## **JAH391Y0 Topics in Anthropology and History [48S]**

Anthropological and Historical perspectives on topics that vary from year to year.

Recommended Preparation: ANT207H1 or a course in European History  
Distribution Requirement Status: Humanities or Social Science  
Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

## **HIS392Y1 Screening Freedom [48L]**

This course examines how filmmakers in Africa, The Americas, and Europe have dealt with subjects such as slavery, colonialism, racism and postcolonial issues such as illegal immigration or structural adjustment. The course interpolates texts from HIS391Y1 into these films in order to bring new perspectives to questions of freedom in different media, times, and places.

N.B. This course supplements HIS391Y1.

Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

## **HIS394H1 20th and 21st Century African Icons: Media and Biography [24L]**

Superseding 19th century European missionary and explorers' accounts of Africa; media in the 20th and 21st centuries have unequivocally played a key role in shaping the globe's views of Africa and Africans. In 2005, BBC Focus on Africa put out an impressive list of more than 100 "African Icons". Since then, a number of websites have come up with various lists of African icons. Who are the African icons and what makes them icons? How have the media contributed in making them icons?

Prerequisite: HIS295Y1/297Y1/383H1/383Y1/386H1/481H1/NEW160Y1/NEW261Y1/NEW351Y1/POL301Y1/POL361H1 or by permission from the Instructor.

Exclusion: None

Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **JHA394H1 The Asia Pacific War [24L]**

This course examines the Second World War in the Asia Pacific region and highlights: (1) how imperialism and colonialism of both the Euro-American and Japanese varieties were central to the War's outbreak, conduct, and "resolution"; (2) various "local" rather than simply national experiences and memories of the War, including those of marginalized groups in Japan and its colonies, "comfort women," victims of war atrocities, Asian North Americans, African Americans, and Pacific Islanders.

Prerequisite: HIS107Y1/HIS242H1/HIS250H1/HIS251H1/HIS263Y1/HIS271Y1/HIS280Y1/HIS281Y1/HIS282Y1/HIS283Y1/HIS284Y1/HIS292Y1/HIS311Y1/HIS317H1/HIS328H1/HIS338H1/HIS343Y1/HIS344Y1/HIS351Y1/HIS361Y1/HIS377H1/HIS385H1/HIS385Y1

Recommended Preparation: One or more courses on Japan, China, Korea, or Southeast Asia in any department.

Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **HIS395H1 Independent Studies [TBA]**

This course provides an opportunity for exceptional third-year students to undertake an independent research project on a topic for which there is not a suitable course offering. Students must find an appropriate supervisor from the Department, submit a proposal, and receive approval for the project. Students must be enrolled in either a History Specialist or Major program; have taken at least 3.0 FCE in HIS with a B+ average; and have approval of an instructor willing to supervise the project. Not eligible for CR/NCR option.

Prerequisite: Third-year standing; 77% average in 3.0 HIS FCEs.

Distribution Requirement Status: Humanities

Breadth Requirement: TBA

## **HIS395Y1 Independent Studies [TBA]**

This course provides an opportunity for exceptional third-year students to undertake an independent research project on a topic for which there is not a suitable course offering. Students must find an appropriate supervisor from the Department, submit a proposal, and receive approval for the project. Students must be enrolled in either a History Specialist or Major program; have taken at least 3.0 FCE in HIS courses with a B+ average; and have approval of an instructor willing to supervise the project. Not eligible for CR/NCR option.

Prerequisite: Third-year standing; 77% average in 3.0 HIS FCE.

Distribution Requirement Status: Humanities

Breadth Requirement: TBA

## **HIS397H1 Political Violence and Human Rights in Latin America [24L]**

This course will explore human rights theory and practice from a Latin American perspective. There will be a focus on the local derivation, development and impact of the movement for human rights in Latin America. The course will focus on the history of organized protest against violence in the twentieth century.

Prerequisite: HIS292H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS398H0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **HIS399Y0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **400-Series Courses**

### **Note**

Enrolment in 400-level HIS courses is limited, and demand for these courses is high. The Department of History reserves the right to REMOVE STUDENTS who enrol in more than the required number for program completion (Specialists: 1.5, Majors: .5).

Students in 400-level seminars MUST ATTEND THE FIRST CLASS or contact the professor to explain their absence. Failure to do so may result in the Department withdrawing the student from the seminar in order to free up space for other interested students.

# History

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## **HIS400H1 The American War in Vietnam [24S]**

This course examines the French and American Wars (1945-75) in Vietnam and its effects on the population of Vietnam and Southeast Asia. It begins with a brief overview of pre-colonial Vietnamese history and moves into a study of the impact and legacies of colonial rule and centres on the impact of the Wars on the cultures, economies, and societies of Southeast Asia.

Prerequisite: By permission of the Instructor

Exclusion: HIS315H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS401H1 History of the Cold War (formerly HIS401Y1) [24S]**

This course covers international relations from World War II to the collapse of the Soviet Union. Topics include the breakdown of the wartime alliance, Soviet predominance in eastern Europe, the Western response, NATO, atomic weaponry.

Prerequisite: HIS311Y1/HIS344Y1/HIS377H1

Exclusion: HIS401Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS402H1 Canada and Decolonization [24S]**

This course will explore the multi-faceted ways in which Canada was shaped by and was an active participant in global decolonization following the Second World War. An emphasis will be placed on the larger global context in which post-war Canadian history unfolded. Topics will include Aboriginal politics, changing migration patterns, Quebec nationalism, diasporic politics, anti-colonial thought and oppositional social movements.

Prerequisite: HIS263Y1/HIS264H1

Recommended Preparation: HIS307H1/312H1/314H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS403H1 Jews and Christians in Medieval and Renaissance Europe (formerly HIS403Y1) [24S]**

The course focuses on aspects of Jewish-Christian relations ca.300-1600, such as royal and ecclesiastical Jewish policies; religious polemics; intellectual collaboration; social and economic interaction; anti-Judaism and religious violence. (Joint undergraduate-graduate)

Exclusion: HIS403Y1

Recommended Preparation: HIS208Y1/HIS220Y1/HIS243H1/HIS322Y1/HIS357Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS404H1 Topics in U.S. History [24S]**

Selected topics in U.S. history. Topics in any given year depend on the instructor. Please see History website for details.

Prerequisite: HIS271Y

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS405Y1 Canadian Foreign Relations [48S]**

A course on Canadian external relations since 1945. Topics include Canada and the Cold War, the Korean War, the Suez crisis and the war in Vietnam, membership in international organizations, and bilateral relations with other countries. (Joint undergraduate-graduate)

Prerequisite: HIS311Y1/POL312Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS406H1 Advanced Topics in Gender History [24S]**

An in-depth examination of issues in gender history. Content in any given year depends on instructor. See History website for more details.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS407H1 Imperial Germany, 1871-1918 (formerly HIS407Y1) [24S]**

Historiographical controversies and the latest empirical findings concerning social conflict and political mobilization under Bismarck and Wilhelm II. Problems raised by competing schools of interpretation include definitions of the authoritarian state, bourgeois hegemony, localism and regionalism, radical nationalism, workers' culture, and gender relations. (Joint undergraduate-graduate)

Prerequisite: HIS317H1 or permission of the instructor

Exclusion: HIS407Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS410H1 Spectacle, Crowds, and Parades in Canada [24S]**

Social and cultural approaches to understanding spectacles, crowd behaviour, and parades in the Canadian past, 1660s - 1980s.

Prerequisite: HIS263Y1/HIS264H1/HIS367H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS411H1 Great Trials in History [24S]**

This seminar course will study a handful of great trials in close detail. Using materials from the modern period in Europe and North America, we will look at the clash of ideas represented in these high-profile cases, the historical setting in which they were embedded, the human drama, legal and sometimes constitutional issues, and their impact both on their societies and our own.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS412Y1 Crusades, Conversions and Colonialization in the Medieval Baltic (formerly HIS412H1) [48S]**

Explores the impact of crusades, religious conversion and colonialization on medieval Baltic history through analysis of two medieval chronicles in English translation. Topics include culture clash, medieval colonialism, Europeanization as well as German expansion eastwards, the role of the Teutonic Knights and the strategies of survival of the native Baltic people after conquest and Christianization.

Exclusion: HIS412H1

Recommended Preparation: HIS250H1/HIS250Y1/353Y1/permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS413H1 Slave Emancipation in the Atlantic World [24S]**

Examines the process and consequences of slave emancipation in the Atlantic World, beginning with the French and Haitian Revolutions and concluding with slavery and abolition in West Africa in the early 20th century. Students are introduced to the major literature and historiographical debates surrounding emancipation.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS414H1 Down and Out in Medieval Europe [24S]**

Explores the life conditions of individuals on the lower echelons of medieval society (the poor, servants and apprentices, the exiled, prisoners, slaves, foreigners and lepers). In parallel, we will discuss the various conceptions of poverty that prevailed in the Middle Ages. These objectives will allow us to glimpse the European Middle Ages from an unusual angle as well as reflect on important socio-economic and religious changes.

Prerequisite: HIS220Y1 or a course on the Middle Ages

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS415Y1 Nationalism & Memory in Modern Europe (formerly HIS415H1) [48S]**

Investigates the modern concept of the nation and its connections to the idea of collective memory in twentieth-century Europe. Through reading and discussing seminal works on nationalism and national memory, we will discuss the connections between modern notions of nation and practices of remembering.

Prerequisite: Two history courses from the following:

HIS102Y1,103Y1,109Y1,241H1,242H1,243H1,244H1,  
245H1, EUR200Y1, HIS317H1

Exclusion: HIS415H1

Recommended Preparation: HIS102Y1,109Y1,241H1,242H1,243H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS416H1 Orientalism and Nationalism in Nineteenth-Century Germany [24S]**

In 1771, with the translation of the Zend-Avesta by the French Scholar Anquetil-Duperron, a new era opened in German national culture. From the philosophy of Johann Gottfried von Herder to the novels of Thomas Mann, this course analyzes the ways in which German writers defined the substance and place of national culture in their writings about India, Central Asia and the East.

Prerequisite: HIS241H1, 242H1/317H1/Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS417H1 The Oldest Profession in Canada: Sex Work in Comparative Historical Contexts [24L]**

This course explores historical populations involved in "the world's oldest profession" in Canadian and comparative contexts, 1680-onwards.

Using a range of texts, including film, memoirs, oral histories and photographs, students explore both lived experiences and representations of a range of sex-trade involved populations, including madams, clients, and queer and trans workers.

Prerequisite: HIS263Y1/HIS264H1, an additional .50 300+ level HIS course, permission of the instructor.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS419H1 Canada By Treaty: Alliances, Title Transfers and Land Claims [24S]**

A detailed study of the treaty process between indigenous peoples and newcomers in Canadian history, with examination of the shift between alliance treaties to land surrender agreements from the colonial period through to the signing of recent treaties including the Nunavut Land Claims Agreement and the Nisga'a Final Agreement.

Prerequisite: HIS263Y1/HIS264H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS420H1 Russia's Great Patriotic Wars [24S]**

The course examines Russia's wars with Napoleon and Hitler, both as military campaigns and as important nation-building events, largely through memoir literature.

Prerequisite: HIS250H1/HIS250Y1/HIS325H1/HIS351Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS423H1 Social History of Medicine in the 19th & 20th Centuries (formerly HIS423Y1) [24S]**

Introduces students to current issues in the social history of medicine and some of the major developments in the modern history of the discipline.

The format is class discussion based on themes covered in the course textbook, covering such topics as the history of the doctor-patient relationship, changes in physicians' social status, changing attitudes toward the body, and the evolution of various medical and surgical specialties including obstetrics and gynecology. (Joint undergraduate-graduate).

Prerequisite: A minimum of one course in HIS/PSY/SOC

Exclusion: HIS423Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS424H1 Violence in Medieval Society (formerly HIS424Y1) [24S]**

This seminar explores the social function and meaning of violence in medieval society, and the development of rituals and institutions to control violence. Among the topics treated: Germanic blood feud, aristocratic violence and chivalry, criminal justice systems, violence against minorities, and violence and gender. (Joint undergraduate-graduate)

Prerequisite: HIS220Y1/HIS320H1/HIS321H1/HIS322H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS425H1 Historiography [24S]**

A look at some basic problems of historical study, approached by means of an analysis of the work of a number of historians and philosophers of history, representing different schools of thought and time periods from ancient times to the present.

Recommended Preparation: Three HIS courses

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS426H1 Medieval Italy, 400-1000 [24S]**

This course surveys the major developments and figures of Italian history by focusing on key primary texts (in translation) with a particular view to urban and legal history which will form the backdrop to understanding artistic and literary achievements in context.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS427H1 History and Historiography in the Golden Legend [24S]**

The Golden Legend or Readings on the Saints, compiled by Jacobus de Voragine c. 1260, serves as the basis for a seminar on the relation of history and legend as understood in the High Middle Ages. (Joint undergraduate-graduate)

Prerequisite: HIS220Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

# History

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## **HIS428H1 Medieval Institutes of Perfection [24S]**

The first goal of this seminar is to help students read the sources with a more critical eye, especially narrative sources (Lives of Saints) and normative sources (rules and customaries). The second goal is to study the evolution of the monastic ideal from its origin to the 12th century. (Joint undergraduate-graduate)

Prerequisite: A course specifically on the Middle Ages such as HIS220Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS429H1 Canada and Empire in the Twentieth Century [24S]**

This course explores the ways in which twentieth century Canada was shaped by its complex relationship to empire. Course readings place Canadian historiography into dialogue with new theoretical and methodological approaches drawn from postcolonial studies, new imperial history, feminist and critical race theory. Topics include the meaning of empire in everyday life, migration, the impact of global decolonization, and Aboriginal politics.

Prerequisite: HIS263Y1/HIS264H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS430H1 Canadians and the World Wars [24S]**

Topics in the political, social, cultural, and military history of Canadians during the First and Second World Wars. Emphasis on the home front.

Prerequisite: HIS263Y1/HIS264H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS432H1 Topics in Medieval History [24S]**

The students define together with the professor eight different topics (e.g. relics, masculinity, leprosy, clothes, recluses, peasants houses, gynecology and the peace of God). Each topic is approached through a class discussion, on the basis of a common corpus of secondary sources, plus presentations by the students.

Prerequisite: A course in Medieval history such as HIS220Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS433H1 Polish Jews Since the Partition of Poland [24S]**

To explore the history of Polish Jews from the Partitions of Poland to the present time, concentrating on the 19th and the first half of the 20th centuries: situation of Polish Jews in Galicia; Congress Kingdom of Poland; Prussian-occupied Poland before 1914; during World War II; and post-war Poland. Focus on an analysis of primary sources. (Joint undergraduate-graduate)

Prerequisite: HIS208Y1/251Y1/permission of the instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS434Y1 Kievan Rus [48S]**

The origin of Rus, international trade, the impact of nomadic peoples, the introduction of Christianity, the economic system and the problem of feudalism, the political structure and the dilemma of princely succession; literature and architecture; the displacement of political power centres and depopulation, the preservation of the Kievan heritage. (Joint undergraduate-graduate)

Prerequisite: HIS220Y1/HIS250H1/HIS250Y1/HIS320H1/HIS321H1/HIS322H1/JHP204Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS437H1 Telling Lies About Hitler: Frauds and Famous Feuds Among German Historians [24S]**

Examines historiographical controversies and their public reception.

Topics include the forged Hitler diaries, the David Irving trial, German responsibility for 1914, Daniel Goldhagen's "eliminationist" thesis, Auschwitz as an "Asiatic deed," Wehrmacht complicity in the Holocaust and retrospective films about East Germany.

Recommended Preparation: HIS242H1/317H1/330H1/338H1/361H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS438H1 Inquisition and Society in Medieval and Early Modern Europe [24S]**

Examines historiographical controversies and their public reception.

Topics include the forged Hitler diaries, the David Irving trial, monarchical scandals before 1914, German responsibility for 1914, Daniel Goldhagen's eliminationist thesis, Auschwitz as an Asiatic deed, Wehrmacht complicity in the Holocaust, retrospective films about East Germany, and Germany's special path to modernity. Focusing on the institution of the inquisition, this seminar explores the response of ecclesiastical and secular authorities to religious heterodoxy. Among the groups prosecuted by the inquisition discussed: Cathar heretics in France, crypto-Jews and crypto-Muslims in Spain, and witches in Italy.

Recommended Preparation: HIS220Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS439H1 Russia's Empire [24S]**

This course examines ways in which the Russian Empire and Soviet Union expanded their territories, the ways they controlled those colonies, and the ways in which they dealt with rising nationalism both at home and abroad.

Prerequisite: HIS250H1/250Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS440H1 Maps and History [24S]**

Examines the use of maps through the ages to depict spatial relationships and political, social, or cultural authority. Explores the visual display of quantitative information, the evolution of historical atlases, and cartographic crime. Such topics as Lebensraum and gerrymandering illustrate how maps can distort historical processes and communal relationships.

Recommended Preparation: at least three History courses at the 200/300 level

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS443H1 Society, Culture and Religion in the Renaissance and Reformation (formerly HIS443Y1) [24S]**

Developments in popular/lay/local religion as expressed in a variety of cultural, political, and social forms from 1400-1600; the relation of these forms to both Catholic and Protestant institutional churches. Impact of Renaissance humanism on notions of kinship, order, community, perfection.

Prerequisite: HIS309H1/357Y1 or permission of instructor

Exclusion: HIS443Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS444H1 Topics in Jewish History [24S]**

Selected topics on a specific period or theme in Jewish history. Topic in any given year will depend on the instructor. Please see History website for details.

Prerequisite: A course in modern European or Jewish history

Recommended Preparation: A course in Jewish history

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS445H1 Nationalism [24S]**

What is a nation? Are nations ancient or modern, unchanging or malleable? Do nations create states, or does the state create the nation?

This course seeks to answer these questions through an examination of nationalism, primarily in Europe, from the 1700s through the present.

Prerequisite: Two courses in European history or permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS446H1 Gender and Slavery in the Atlantic World (formerly HIS446Y1) [48S]**

The course examines the relationship between gender and the experience of slavery and emancipating several Atlantic world societies from the 17th-19th centuries. Areas to be covered are the Caribbean, Brazil, the U.S. South, West and South Africa and Western Europe.

Prerequisite: HIS291H1/HIS294Y1/HIS230H1,231H1/HIS295Y1

Exclusion: HIS446Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS448H1 Gender in East and Southeast Asia (formerly HIS391H1) [24S]**

This course explores the history of gender in East and Southeast Asia from a comparative perspective. It will examine how models of Southeast Asian women have been constructed against their East Asian counterparts.

Prerequisite: HIS283Y1

Exclusion: HIS391H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS449Y1 Ukrainian National Revival [48S]**

The role of the intelligentsia in East European national revivals; the ethnographic and literary revival; the language question; the press and cultural organizations; education; religion; and political movements. (Joint undergraduate-graduate)

Recommended Preparation: One of the following:

JHP204Y1/HIS241H1/HIS251Y1/HIS445H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS451H1 World War II in East Central Europe [24S]**

The fall of the Versailles system, German and Soviet diplomatic and military activities and their occupational policies in East Central Europe during World War II, economic exploitation, collaboration, resistance, and genocide in the discussed region, its liberation and sovietization in 1944-1945. (Joint undergraduate-graduate)

Prerequisite: EUR200Y1/HIS251Y1/HIS334Y1/HIS334H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **JHP451Y1 The People from Nowhere [48S]**

This course traces from earliest times to the present the evolution of a people called Carpatho-Rusyns and their historic homeland Carpathian Rus', located in the heart of Europe. The historic survey will deal with political, socioeconomic, and cultural developments, all the while testing the hypothesis that nationalities are imagined communities. (*Given by the Departments of History and Political Science*)

Recommended Preparation: a course in eastern European history, or in nationalism

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **HIS452H1 Science and Society in Britain, 1600-1800 [24S]**

Interrogates British landmarks of the Scientific Revolution and Enlightenment in their intellectual, religious, cultural and social contexts. Addresses canonical "achievements" in astronomy, physics and chemistry but deals equally with popular "pseudo" sciences like astrology and mesmerism. Deconstructs progress narratives and paradigms of knowledge acquisition in Britain and its imperial world. Investigates connections (or lack of them) between elite and popular culture. Do not register for this seminar without at least one of the pre-requisites because this course deals extensively with mentalités of the pre-modern world.

Prerequisite: HIS244H1/HIS337H1/HIS368H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **JHP454Y1 Twentieth Century Ukraine [48S]**

World War I and the Russian Revolution: the Ukrainian independence movement; the Soviet Ukraine and west Ukrainian lands during the interwar period; World War II and the German occupation; the Soviet Ukraine before and after the death of Stalin. Socio-economic, cultural, and political developments. (*Given by the Departments of History and Political Science*)

Prerequisite: A course in modern European, East European or Russian history or politics such as

JHP204Y1/HIS250Y1/HIS351Y1/HIS353Y1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **HIS457H1 The French Revolution and the Napoleonic Empire [24S]**

Explores the central themes in the history of France during the Revolution and the First Empire. We will consider the periods principal political, social and cultural aspects: the causes of the French Revolution; the shift from constitutional monarchy to Republic; the relationship between politics and religion; the invention of a new republican political culture; counterrevolution and Terror; the Directory; Bonapartes rise to power; the Napoleonic Empire; the nature of war during the Empire; the Restoration; and the Revolutions legacy in France and beyond today.

Prerequisite: HIS243H1/HIS244H1/HIS319H1/HIS341Y1/HIS387H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS459H1 Soviet History and Film, 1921-1946 [24S]**

The history of Soviet cinema and the importance of film as a historical source. Documentary and fiction film; editing, narration, and sound; film distribution and exhibition; the Soviet school of montage and socialist realism; nationality and gender; the Soviet musical comedy of the Stalin era; resistance and dissidence.

Prerequisite: CIN105Y1/HIS250Y1/HIS250H1/HIS335H1

Exclusion: HIS450Y1/SLA233H1/234H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

# History

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## **HIS460H1 Soviet History and Film, 1941-1991 [24S]**

Soviet film as a historical source and the institutional and ideological history of Soviet film production, distribution, and exhibition. Fiction and documentary film during World War II; the cinema of the Cold War and the Thaw; Soviet new realism and the return of the village; avant-garde cinema of the 1960s-80s; memory and historical revision in late Soviet film. Screenings include never-before-seen archival footage, as well as films and film clips subtitled by the instructor.

Prerequisite: INI115Y1/HIS250Y1/335H1

Exclusion: HIS450Y1/SLA233H1/SLA234H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **HIS461H1 Poland in the 20th Century [24S]**

The 20th century has been an age of experiments for Poland. Universal, general problems of democracy, authoritarianism, totalitarianism, communism, socialism, free market and centrally planned economies, are examined, as are the ongoing adjustments made by the Polish people. (Joint undergraduate-graduate)

Prerequisite: HIS334H1/HIS353Y1/permission of the instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS463H1 Cloth in American History to 1865 [24S]**

Cloth was a major commodity in the early modern world. Positioning early America within a global context and employing a material culture framework, textiles and clothing provide the lens through which to view the social, cultural, economic and industrial development of the United States from pre-European contact until the 1860s.

Prerequisite: HIS271Y

Recommended Preparation: HIS374H1/VIC224Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS464H1 Religion and Violence in Comparative Perspective [24S]**

Examines varying roles of religion in cases of genocide and extreme violence. Seminar proceeds from recent cases (Darfur, Rwanda, wars associated with break-up of Yugoslavia) backward through the 20th century (Cambodia, Indonesia, the Holocaust, Armenians, Herero) and the 19th century (Belgian Congo, Caucasus, native peoples in the Americas).

Prerequisite: one course in HIS/REL/Peace and Conflict

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS465Y1 Gender and International Relations [48S]**

This seminar explores the use of gender as a category of analysis in the study of international relations. Topics include gendered imagery and language in foreign policymaking; beliefs about women's relationship to war and peace; issues of gender, sexuality, and the military; gender and global governance; gender and the global economy; sexual violence; and contributions of feminist theory to international relations theory.

Prerequisite: HIS311Y/HIS344Y/HIS377H1/POL208Y1/POL351H1/JPP343H1/WGS160Y1 or permission of instructor

Exclusion: JHP440Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2) + Society and its Institutions (3)

## **HIS466H1 Topics in Canadian History (formerly HIS466Y1) [24S]**

Selected topics in a specific period of Canadian history. Content in any given year depends on instructor. Please see the History Department website for complete description.

Prerequisite: HIS263Y1 or permission of the instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS467H1 French Colonial Indochina: History, Cultures, Texts, Film (formerly HIS467Y1) [24S]**

Examines French colonial Indochina through several different lenses.

Themes include the cross-cultural contact zones between colonial and colonized societies, imperial culture, expressions of colonial power, and forms of opposition. Colonial novels, translated resistance literature, documentaries, and films are utilized as primary sources to be examined critically.

Prerequisite: ANT344Y1/EAS204Y1/GGR342H1/HIS104Y1/HIS107Y1/HIS280Y1/HIS283Y1/HIS284Y1/HIS315H1/HIS388H1/NEW369Y1

Exclusion: HIS467Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS468H1 The Southern Indian Ocean [24S]**

This course explores a series of themes relating to Madagascar and the Mascareigne Islands between the eighteenth and the twentieth century.

Topics include slavery and its memories, miscegenation, trade, the environment, space and mapping, cultural contact, colonialism, and imperial networks.

Prerequisite: a course in African history or African studies

Recommended Preparation: background in the histories of Africa and empire

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS470H1 History, Rights, and Difference in South Asia [24S]**

Addressing South Asian history after 1750, this course examines ideas of rights, contract, and the rule of law in colonial and postcolonial contexts. Attention is paid to the intellectual history of rights and the central place of colonial and postcolonial questions within that history. Topics include rights and questions concerning indigenous culture, caste and customary practice, gender and capitalist development.

Prerequisite: A mark of 73% or higher in HIS282Y1 or instructor's permission

Recommended Preparation: Background in political and social theory and some background in South Asia

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS472H1 Indigenous-Newcomer Relations in Canadian History (formerly HIS472Y1) [24S]**

The trajectory of Canadian history has been (and continues to be) shaped significantly by the changing relationships between indigenous peoples and newcomers to what is now Canada. Through discussion of readings on various seminar topics, we will explore the multi-faceted contours of these relationships, from cultural encounters, treaties & alliances, and missionization to colonization, assimilation, residential schools and contemporary issues.

Prerequisite: HIS263Y1 (minimum 73%)

Exclusion: HIS472Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)



## **HIS473Y1 The United States and Asia since 1945 (formerly HIS473H1) [48S]**

This seminar examines strategic, economic, ideological, and cultural factors in U.S. relations with East and Southeast Asia. Major themes include the role of cultural and informal diplomacy and the effect of perceptions and misperceptions on both sides of U.S.-Asian interactions.

Prerequisite: HIS271Y/HIS344Y/HIS377H1

Exclusion: HIS473H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS474H1 Emancipate Yourselves from Mental Slavery? Historical Narratives of Caribbean Decolonisation [24S]**

This course is a critical intellectual history of Caribbean decolonisation. It begins with the Haitian Revolution, exploring and comparing how history was mobilized to structure anti-colonial theories about the making of postcolonial Caribbean societies. Key conceptual frameworks to be examined include indigenism, noirism, creolization, metissage; Caribbean interpretations of Marxism, Negritude and Pan-Africanism.

Prerequisite: HIS294Y1/HIS230H1,231H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS477H1 Topics in the Social and Cultural History of Victorian Britain (formerly HIS477Y1) [24S]**

Examination of the impact of industrialism on Victorian society and values. Concentration on Victorian social critics including Engels, Owen, Mayne, Dickens and Morris.

Exclusion: HIS477Y1

Recommended Preparation: A course in modern British History/Victorian literature

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS479H1 US Foreign Policy Since World War II (formerly HIS479Y1) [24S]**

An in-depth study of U.S. behaviour in the global arena since World War II. Particular attention will be paid to the origins and evolution of the Cold War, the Vietnam War, the initiatives of the Nixon-Kissinger years, the end of the Cold War, and the relevance of globalization.

Prerequisite: HIS271Y1/377H1

Exclusion: HIS479Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS480H1 Modernity and its Others: History and Postcolonial Critique [24S]**

Engaging with influential perspectives in postcolonial historiography, this seminar tracks three major themes in the history of the idea of modernity from the late 18th through the 20th centuries: political freedom, citizenship and the nation-state; capitalism and its critique; and the relationship of history, memory, and identity. (Joint undergraduate-graduate)

Prerequisite: a mark of 73% or higher in HIS282Y1, or instructors permission; HIS470H1

Recommended Preparation: History of colonialism, political theory, or postcolonial literatures

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS481H1 Elite Women, Power, and Modernity in Twentieth-Century Africa [24S]**

The role of elite women in twentieth-century Africa has been overshadowed by studies of non-elite women so much so as to suggest that all women lacked power. This course aims to show how a very limited but important group of women negotiated power in a century of increasing patriarchy. It combines gender with class analysis.

Prerequisite: 300-level African History course or any of the African Studies courses offered at U of T.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS484H1 The Car in North American History (formerly HIS484Y1) [24S]**

This seminar examines the history of the car in North America from the perspective of technology, business, landscape and popular culture. Particular attention is paid to issues of production, consumption, geography, and daily life, and to the importance of class race, gender, region, and age in shaping the meaning and experience of car culture.

Prerequisite: HIS263Y1/HIS264H1/HIS271Y1

Exclusion: HIS484Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS485H1 Topics in Chinese History (formerly HIS485Y1) [24S]**

A seminar on selected aspects of Chinese history from 1368 to the present. Please see History website for detailed description of topic in any given year.

Prerequisite: EAS102Y1/HIS280Y1/JMC201Y1

Exclusion: HIS485Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS486H1 Writing and Masculinity in Africa [24S]**

Introduces African cultural and intellectual history via a series of important primary texts. These texts provide important insights into the gendered nature of African intellectual movements for liberation as well as wider political discourses. It examines how these authors developed and deployed concepts such as authenticity, modernity, nation, and personhood.

Prerequisite: HIS391Y or an equivalent course in African history

Exclusion: HIS395H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS487H1 Animal and Human Rights in Anglo-American Culture [24S]**

Examines the parallel discourses of animal and human rights in Anglo-American culture from the eighteenth century to the present. The courses explores issues of subjectivity and consciousness as well as cruelty and pain. Topics include slavery and abolition, animal welfare and antivivisection, anti-colonial liberation movements, and animal rights campaigns.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS489H1 The History of Psychiatry and Psychiatric Illness [24S]**

Introduces students to current issues in the history of psychiatry and some of the major developments in the evolution of this unique medical specialty. The format is class discussion based on themes covered in the course textbook, covering such topics as changing perspectives on the nature of psychotic illness, the psychoneuroses, disorders of the mind/body relationship, psychiatric diagnosis, and presentations of illness. (Joint undergraduate-graduate).

# History

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Prerequisite: a minimum of one course in HIS/PSY/SOC

Exclusion: HIS423Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS490H1 Everyday Stalinism [24S]**

This seminar explores issues of everyday life in Soviet Russia during the Stalin era. What was the Soviet normal? Topics will include belief systems, dreams and myths, terror, fear, repression, and resistance.

Texts include a range of different sources, memoirs, diaries, official state documents, and secondary sources.

Prerequisite: grade of A in HIS250Y1/grade of B+ or higher in HIS351Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS492H1 Empire & Colonization in the French Atlantic World [16S]**

The first French empire (1604-1791) is typically considered a failed empire. Beginning with the first French exploratory expeditions in the South Atlantic in the mid-16th century, this course examines the social, economic and political history of French imperial expansion during the *Ancien régime* in order to consider the meaning of success, as applied to empire during this period. The focus is on the development of the two colonial centres of the French New World: New France and the French Caribbean.

Prerequisite: HIS244H1/HIS294Y1/HIS230H1,231H1

Recommended Preparation: HIS387H

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS493H1 Humanity in War: The Modern Evolution of the Law of Armed Conflict [24S]**

This course explores the development of international humanitarian law over the course of the nineteenth and twentieth centuries. Questions asked will include how modern warfare has been understood as a political, cultural, social and legal phenomenon, and the ways in which such perspectives developed into a program of restraint.

Prerequisite: HIS241H1/242H1/344Y1/EUR200Y1 or another course in modern history

Exclusion: None

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HIS494H1 Gandhi's Global Conversations [24S]**

Primary source analysis of global circuits of ethico-political thought via work and life of Gandhi. Charts transnational environment of Gandhian thought (eg. Ruskin and Tolstoy), its critics (advocates of minority rights, also revolutionary violence) and global afterlife (eg. King, Mandela).

Teaches methods in intellectual and political history of the global.

Prerequisite: HIS282Y1 with a mark of 76% or above

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **HIS495H1 Topics in History (formerly HIS495Y1) [48S]**

An in-depth examination of historical issues. Content in any given year depends on instructor. See History website for more details.

Prerequisite: 14.0 FCEs including 2.0 FCE HIS course. Further prerequisites vary from year to year, consult the department.

Recommended Preparation: Varies from year to year

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **HIS495Y1 Topics in History [48S]**

An in-depth examination of historical issues. Content in any given year depends on instructor. See History website for more details.

Prerequisite: 14.0 FCEs including 2.0 FCE HIS course. Further prerequisites vary from year to year, consult the department.

Recommended Preparation: Varies from year to year

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **HIS496H1 Topics in History [24S]**

An in-depth examination of historical issues. Content in any given year depends on instructor. See History website for more details.

Prerequisite: 14.0 FCEs including 2.0 FCE HIS course. Further prerequisites vary from year to year, consult the department.

Exclusion: Students may not take both L0601 ("Critical Histories of the Black Canadian Experience") and L0701 ("Race in Canada") offered in 2016-17 Fall/Winter.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **HIS497H1 Animal Politics and Science [24L]**

Why is thinking about the animal unsettling for some or strange for others? Especially since Darwin, the question of the animal-what it says about being or not being human-has been at the core of important philosophical and scientific debates. This course examines the ways that question has been answered over time.

Prerequisite: A course in political theory, history of science, or intellectual history.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **HIS498H1 Independent Studies [TBA]**

These courses assume the form of an undergraduate thesis. Students must find an appropriate supervisor from the Department, receive approval for the project, and submit an Independent Studies ballot. Students must be enrolled in either a History Specialist or Major program, with a B+ average in no less than 4 HIS courses, or with special permission of the instructor. Applications must be received in September for first session courses; in December for second session courses. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **HIS499Y1 Independent Studies [TBA]**

These courses assume the form of an undergraduate thesis. Students must find an appropriate supervisor from the Department, receive approval for the project, and submit an Independent Studies ballot. Students must be enrolled in either a History Specialist or Major program, with a B+ average in no less than 4 HIS courses, or with special permission of the instructor. Applications must be received in September for first session courses; in December for second session courses. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **HIS298Y1 Themes & Issues in History [TBA]**

This is a thematic survey course addressing issues of gender, class, ethnicity, religion, war, economics and political strife through broad-sweep coverage of a region's history. Prepares students for upper-level study through exposure to eyewitness primary sources and conflicting secondary interpretations of events. Consult

<http://history.utoronto.ca/undergraduate/fw-courses/> for exact prerequisites and for specific content of the course.

Prerequisite: Varies according to particular course offering. See History website for information.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

# History and Philosophy of Science and Technology

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## Faculty

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### Professor and Director

C. Fraser, MA, Ph D (V)

### Associate Professor and Director of Graduate Studies

Y. Fehige, BSc, BPhil, BTheol, MPhil, MTheol, PhD, PhD (V)

### Associate Professor and Director of Undergraduate Studies

C.-P. Yeang, BS, SM, Ph D, Sc D (V)

### Professors

N. Kremontsov, Diploma Candidate of Sciences/History and  
Philosophy of Science and Technology (V)

P. Thompson, MA, Ph D (V)

D. Walsh, BSc, BA, M Phil, Ph D, Ph D (V)

### Associate Professors

B. Baigrie, MA, Ph D (V)

J. Berkovitz, BSc, MA, Ph D (V)

L. Dacome, BA, M Phil, Ph D (V)

M. Vicedo, BA, MA, Ph D, Ph D (V)

### Assistant Professors

Hakob Barseghyan, BA, MA, PhD, PhD (V)

Mark Solovey, BA, MA, MA, PhD (V)

Wen-Ching Sung, BA, MS, MS, PhD (V)

### University Professor Emeritus

T.H. Levere, MA, D Phil, D Litt, FRSC (V)

### Professors Emeriti

B.S. Hall, BA, Ph D (V)

J. Langins, M Eng, Ph D (V)

P.M.H. Mazumdar, MB, M Tech, Ph D (V)

M.P. Winsor, M Phil, Ph D (V)

## Introduction

How are scientific theories developed? Do values affect science and do scientific theories influence social values? What is the role of science and technology in a democratic society? These are some of the questions that historians and philosophers of science examine. Courses in the philosophy of science engage with the structure of science, its methods, and its special claims to the production of knowledge. Courses in the history of science and technology situate scientific advances in their cultural and socio-economic context.

Students taking HPS courses deepen their understanding of major ideas in science; they learn to think critically about the past and present role of science in human societies, and they improve their skills in oral presentation and debate, research, and writing.

Students pursuing an HPS POST will be ideally suited to any professional or academic context that requires an understanding of science, science in society, and the relation between the sciences and the humanities.

The Minor programs are designed to complement a wide range of Major or Specialist programs including those in the sciences, history, philosophy, or any program for which the combination of sciences and humanities could prove beneficial. The HPS major program is useful for elementary and secondary school teaching, museum and library work, science writing and editing, law, medicine and other fields where competence in both science and humanities is valuable.

Director of Undergraduate Studies:

Professor Chen-Pang Yeang

Victoria College, Room 309 (Tel: 416-978-3968)

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Enquiries:

Victoria College, Room 316 (416-978-5397)

## History and Philosophy of Science and Technology Programs

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### History and Philosophy of Science and Technology Major (Arts program)

Students are encouraged to meet with the Director of Undergraduate Studies prior to registering for this degree.

7 full courses or their equivalent

First year (recommended):

1. One 0.5 FCE from any HPS100-level courses; up to a 1.0 FCE at the 100 level will count towards the major.

Higher years (required):

Additional HPS courses, to a total of 7 FCEs, to be chosen from any HPS courses, including JHE353H1, JHE355H1, PHL355H1, PHL356H1, PHL357H1, and meeting the following requirements:

1. At least 1.0 FCEs at the 200+ level.

2. At least 2.0 FCEs at the 300+level, 0.5 of which must be at the 400-level.

### History and Philosophy of Science and Technology Minor (Arts program)

4 full courses or their equivalent

1. Recommended: 0.5 FCE from any HPS100-level courses. Up to 1.FCE HPS courses at the 100-level will be counted towards the minor.  
2. Recommended: at least 0.5 FCE from any HPS 200-level courses.  
3. Additional HPS courses (including JHE353H1, JHE355H1, JPH311H1, PHL356H1, PHL357H1), to a total of 4 FCEs, with at least one FCE at the 300+level.

## Science and Society Minor (Arts program)

The Minor in Science and Society is an interdisciplinary program that focuses on the different ways science and technology shape modern society and, in turn, how society shapes science and technology. From the food we eat to the way we conceive family relations or our obligations to future generations, our daily practices and our beliefs are increasingly influenced by scientific research and its applications. In turn, politics, public opinion, moral beliefs and cultural practices affect scientific and technological development. Courses in this program address such topics as science and values, science-related policy and politics, ethical uses of technology, scientific revolutions and controversies, modeling and communication of scientific research, and knowledge transfer from research to commercial and societal applications.

(4.0 FCEs, including at least 1.0 FCE at 300+ level)

1. HPS200H1
2. 1.0 FCE from: VIC206H1, VIC207H1, VIC274H1, VIC278H1, IMC200H1. Students who achieve at least 77% in the Vic One course VIC170Y1 or VIC172Y1 may count that course toward the Minor and use it to fulfil this requirement.
3. 1.0 FCE from: HPS202H1, HPS260H1, HPS307H1, HPS308H1, HPS324H1, HPS350H1
4. An additional 0.5 FCE from program requirements 2. and 3. above.
5. An additional 1.0 FCE from program requirements 2. and 3. above and/or from the approved list of cognate courses below:  
ANT353H1, ANT358H1, ANT364H1, BIO220H1, EEB215H1, ENV200H1, ETH220H1, GGR223H1, GGR321H1, JGE321H1, PHL273H1, PHL281H1, PHL373H1, PHL381H1, PHL384H1, PSY328H1, WGS275H1

## History and Philosophy of Science and Technology Courses

### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### HPS100H1 Introduction to History and Philosophy of Science [24L/10T]

This is an online introduction to the key issues in the history and philosophy of science. How do scientific theories and method change through time? Is there a universal and unchangeable method of science? What demarcates science from non-science? Can scientific theories provide true descriptions of the world? Is there scientific progress? What are the major worldviews in the history of science? The pre-recorded lectures are available online at any time. Tutorial sessions are live at the portal. For more information:  
[http://www.hps.utoronto.ca/undergraduate\\_courses.htm](http://www.hps.utoronto.ca/undergraduate_courses.htm)

Distribution Requirement Status: Humanities or Science  
Breadth Requirement: Thought, Belief and Behaviour (2)

### HPS110H1 The Science of Human Nature [24L/10T]

Why do we do what we do? What factors play a role in shaping our personality? What biological and social elements help configure a person's moral and emotional character? In this course, we examine landmark studies that shook standard beliefs about human nature in their time. We analyze those studies in their historical context and discuss their relevance to social, ethical, and policy debates. The studies may include research on mother love, obedience, conformity, bystander intervention in emergencies, deception, race, and gender stereotypes. Distribution Requirement Status: Humanities or Science  
Breadth Requirement: Thought, Belief and Behaviour (2)

### HPS120H1 How to Think about Science [24L/10T]

This course addresses the nature of science and its importance to our understanding of ourselves. Questions include: What is a science? Is science objective? What is scientific reasoning? Has our conception of science changed through history? How does science shape our moral image? Does science reveal our natures as humans? Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

### HPS200H1 Science and Values [24L]

An introduction to issues at the interface of science and society. Including the reciprocal influence of science and social norms, the relation of science and religion, dissemination of scientific knowledge, science and policy. Issues may include: Nuclear, Biological and Chemical Weapons; Genetic Engineering; The Human Genome Project; Climate Change. Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

### HPS201H1 Origins of Western Technology [24L/10T]

Technology and its place in our culture from Antiquity to the beginnings of the Industrial Revolution. Relations between technology and science, religion, the arts, social institutions, and political beliefs. Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

### HPS202H1 Technology in the Modern World [24L/10T]

A survey of technical change and its social implications from the Industrial Revolution to the present. Recommended Preparation: HPS201H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

### HPS203H1 Making Sense of Uncertainty [24L/10T]

This course examines issues of uncertainty in various contexts of science, technology, and society since the 19<sup>th</sup> century. Topics may include randomized controlled trials, statistical identification of normal and pathological, biopolitics, philosophical interpretations of probability, Brownian motions, uncertainty principle in quantum mechanics, cybernetic mind, and chance in avant-garde arts. Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

### HPS204H1 Public Nudity: History, Law and Science [24L]

An examination of the practices and attitudes to public nudity from antiquity to the present, including Canadian jurisprudence from the 1950s to 2005, recent changing scientific studies of attitudes to public nudity, and the impact of attitudes on body image, self esteem, mental health and social deviance. Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

# History and Philosophy of Science and Technology

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## **HPS210H1 Scientific Revolutions I [24L]**

Case studies in the history of science from antiquity to 1800, including the revolutionary work of Copernicus, Kepler, Galileo, Descartes, Newton, Linnaeus, Lavoisier, and Herschel. The course is designed to be accessible to science students and non-scientists alike.

Exclusion: HPS200Y1

Distribution Requirement Status: Humanities or Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **HPS211H1 Scientific Revolutions II [24L]**

Case studies in the history of science from 1800 to 2000, including Volta, Lyell, Darwin, Mendel, Einstein, Schrödinger, Watson, and Crick. The course is designed to be accessible to science students and non-scientists alike

Exclusion: HPS200Y1

Distribution Requirement Status: Humanities or Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **HPS222H1 Ideas in the History and Philosophy of Science [24L/10T]**

The course focuses on the bearings that philosophical views had on science in different periods in history. We consider philosophical conceptions of space, time and matter; the influence of religious views on science; the influence of natural magic on the emergence of modern science; and the nature of scientific knowledge.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **HPS230H1 Quantifying the Renaissance [24L]**

This course will not be offered in 2015-16.

Exclusion: Any 100-level MAT course

Distribution Requirement Status: Humanities or Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **HPS250H1 Introductory Philosophy of Science [24L/10T]**

This course introduces and explores central issues in the philosophy of science, including scientific inference, method, and explanation. Topics may include underdetermination, realism and empiricism, and laws of nature.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **HPS260H1 Biology and the Future: Science and Science Fiction [24L/10T]**

This lecture course explores the fantastic visions of humanity's future inspired by the advance of the biological sciences during the twentieth century. Biology provided the scientific underpinning for societal hopes and fears embodied in such cultural icons as robots, aliens, "brains in a vat," and super-humans.

Exclusion: HMB444H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **HPS270H1 Science and Literature [24L/10T]**

This course will focus on the interplay between science and literature from ancient Greece to the present day. We'll examine the impact of major scientific paradigm shifts on the literature of their time, and situate literary texts within the context of contemporary scientific discoveries and technological innovations.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **HPS280H1 History of Science**

### **Humanities and Social Science elective**

This course surveys the development of science from Antiquity to the modern times. We focus on a number of selected topics, ranging from the mechanical worldview to particle physics, from the classification of species to molecular biology, from the introduction of laboratory to the interaction between war and science. Our aim is to explore how and why science came to its current form and status by addressing crucial discoveries and conceptual breakthroughs, conditions and standards indispensable to scientific research, and principal mutual influences between science and society.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HPS299Y1 Research Opportunity Program**

Credit course for supervised participation in faculty research project.

Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **HPS300H1 Topics in History and Philosophy of Science and Technology [48L/24P]**

Topics vary year to year.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **HPS300Y1 Britain and the Rise of Modern Science [48L/24P]**

A Historical exploration of Britain's role in the rise of modern science, from the Renaissance to the double helix. Students will be introduced to the work of Hooke, Newton, Cavendish, Davy, Faraday, Maxwell, Rutherford, and others.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2) + Society and its Institutions (3)

## **HPS301H1 Topics in the History of Science [24L/10T]**

This course can concern topics of special interest in the history of science from Antiquity until present. Topics may focus on specific-time periods, fields of inquiry, individuals, scientific institutions, or geographic locations.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **HPS302H1 Topics in Philosophy of Science [24L/10T]**

This course can concern topics of special interest in the philosophy of science from Antiquity until present. Topics may include scientific change, rationality, method, evidence, progress, reduction, scientific laws, models, representation etc. The course may also focus on specific-time periods, fields of inquiry, individuals, scientific institutions, geographic locations, etc.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

# History and Philosophy of Science and Technology

## **HPS303H1 Topics in the History of Medicine [24S]**

This course offers a focused discussion of several aspects of the history of medicine. Various themes are examined in depth year to year so as to familiarize students with different topics and methodological approaches.

Prerequisite: Recommended: an introductory course in History of

Medicine (or History of Science and/or Technology)

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HPS304H1 A History Lab: Biomedical Sciences, Past and Present [36S]**

Offers a hands-on introduction to historical research. Through a close examination of classic scholarly texts, archival materials, and recent media publications, this advanced seminar explores the sources, methods, and approaches in historical studies of biomedical twentieth century-sciences.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **HPS307H1 History of Energy [24L/10T]**

The history of human control of various sources of energy, including technical developments, scientific theories, and impact on culture and society. Recent debates on fossil fuel and nuclear power examined in historical context. (offered irregularly)

Recommended Preparation: HPS201H1/HPS202H1 or any HIS course

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HPS308H1 Technology and Prosperity [24L/10T]**

The systemic nature of modern technology suggests that it has intimate interactions with society, human values, ideologies, and the economy.

We will attempt to examine these interactions in history in order to promote reflection on ways in which technology and its evolution could be managed for the benefit of humankind.

Recommended Preparation: any half course in HPS at the 200-level

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HPS309H1 Worldviews: Aristotelian-Medieval Worldview [24L/10T]**

This course reconstructs the Aristotelian-medieval mosaic of theories including physics, cosmology, theology, astronomy/astrology, optics, and physiology/medicine. We analyze the role of metaphysics in medieval science, including determinism/indeterminism, plenism/vacuism, finitism/infinity, theism/deism, and teleology/mechanism. Finally, we explicate the Aristotelian-medieval method, by focusing on the notions of demonstrative truth, intuition, and deduction.

Recommended Preparation: HPS100H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **JPH311H1 History of Physics [24L/10T]**

Topics in the history of physics from antiquity to the 20th century, including Aristotelian physics, Galileo, Descartes, electromagnetism, thermodynamics, statistical mechanics, relativity, quantum physics, and particle physics. The development of theories in their intellectual and cultural contexts.

Prerequisite: At least one-half PHY course at university level

Exclusion: HPS311H1

Distribution Requirement Status: Humanities or Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **HPS313H1 Two Hundred Years of Electricity [24S]**

A history of the science and technology of electricity in the 19th and 20th centuries in its social, economic, and cultural context.

Prerequisite: At least one-half CSC/PHY or Electrical Engineering (ECE) course

Distribution Requirement Status: Humanities or Science

Breadth Requirement: Society and its Institutions (3)

## **HPS316H1 Environment, Technology, and Nature [24L/10T]**

This course examines the intersection of technology and environment in the modern world. Whether simple or complex, whether designed for recreation, work, or warfare, our tools and how we use them filter our perceptions of, and engagements with, non-human nature. Emphasis is on case studies from 1800 to the present.

Prerequisite: 0.5 FCE in HPS or HIS

Recommended Preparation: HPS201H1/HPS202H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **HPS318H1 History of Medicine I [24L/10T]**

This course explores how medicine was practiced, taught and theorized from ancient Greece to the early modern period. It focuses on the historical development of western medicine in relation to societies, politics and culture, and considers topics such as the creation of medical traditions, the transmission and communication of medical knowledge, the pluralistic world of healers, the role of religion, magic and natural philosophy, the cultural meaning of disease, and the emergence of institutions such as the hospital.

Exclusion: HPS314Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HPS319H1 History of Medicine II [24L/10T]**

This course examines the development of medicine from the seventeenth to the twentieth century. It focuses on the historical development of western medicine in relation to societies, politics and culture and considers topics such as changing views of the body, the development of medical institutions such as hospitals, asylums and laboratories, the diversifies world of healing and the place of visual and material culture in the production and dissemination of medical knowledge.

Exclusion: HPS314Y1; HPS315H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HPS321H1 Understanding Engineering Practice: From Design to Entrepreneurship [24S]**

This course seeks to understand the nature of engineering practice, which comprises complex social, intellectual, and technical actions at various stages from design to entrepreneurship. Building upon the history and social studies of technology, philosophy of engineering, business history, and management science, we introduce ways to analyze such complex actions.

Prerequisite: Three courses with any combination of engineering, natural sciences, medical sciences, or commerce

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

# History and Philosophy of Science and Technology

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## **HPS322H1 Complexity, Order, and Emergence [10T/24S]**

A survey of the history of and recent developments in the scientific study of complex systems and emergent order. There will be particular emphasis on the biological and cognitive sciences. Topics covered may include: mechanism and teleology in the history of science, 19th and 20th century emergentism, complex systems dynamics, order and adaptiveness, self-organisation in biology and cognitive development. Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **HPS324H1 Natural Science and Social Issues [24L]**

Historical examination of the interactions of science (both as body of knowledge and as enterprise) with ideological, political and social issues. The impact of science; attacks on and critiques of scientific expertise as background to contemporary conflicts. Subjects may vary according to students interests. (offered irregularly)  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **HPS326H1 History of Science and Religion [24L]**

From its origins in the Renaissance, modern science has developed in the context of European religious beliefs and institutions. Although cases of conflict like Galileo or the Monkey Trial are famous, more common are cases of scientists like Newton or Faraday whose religious convictions were crucial to their scientific success.  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **HPS333H1 Famous Debates in Science [24L/10T]**

The course focuses on famous debates in science, such as the Leibniz-Clarke debate on the nature of space, time and God, the Huxley-Wilberforce debate on evolution and the Bohr-Einstein debate on the nature of the quantum reality. The main aim is to explore the philosophical ideas involved in these debates in their historical context.  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **HPS350H1 Revolution in Science [24S]**

An investigation into the nature and development of scientific knowledge, inspired by Kuhns notion of revolutions. Topics may include, the rationality of theory choice, and social constructivism.  
Prerequisite: HPS250H1 or permission of the instructor  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **HPS352H1 History of the Human Sciences [24L]**

This course explores major developments and controversies in the human sciences: psychology, sociology, economics, political science, and anthropology. How have scientists in these areas explained human behavior? How have they described, evaluated, and tried to improve society? We examine these issues in their historical context and consider their contemporary relevance.  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **JHE353H1 History of Evolutionary Biology [24L/10T]**

An examination of major ideas about biological evolution from the 18th century to the 1930s and of their impact on scientific and social thought. Topics include the diversity of life and its classification, the adaptation of organisms to their environment, Wallace's and Darwin's views on evolution by natural selection, sexual selection, inheritance from Mendel to T.H. Morgan, eugenics, and the implications of evolution for religion, gender roles, and the organization of society. Offered by the Institute for

the History and Philosophy of Science and Technology.

Prerequisite: 6 full courses or equivalent

Exclusion: EEB353H1/HPS323H1/HPS353H1

Distribution Requirement Status: Humanities or Science

Breadth Requirement: Society and its Institutions (3)

## **JHE355H1 History and Philosophy of Evolutionary Biology [24L/10T]**

An examination of the place of the organism in evolutionary theory from the early 1900s to the present. Biology is the science of living things, and yet, paradoxically, living things--organisms--have been comprehensively left out of the Modern Synthesis theory of evolution that developed in the twentieth century. This course surveys the reasons--historical, philosophical and empirical--for the marginalisation of organisms from evolutionary theory. It examines the ways in which evolutionary developmental biology attempts to restore the organisms to a central place in evolutionary biology. Offered by faculty in the Institute for the History and Philosophy of Science and Technology.  
Prerequisite: 6 full courses, including two half-courses or one full-year course in any one or more of EEB, BIO or HPS  
Exclusion: EEB355H1/HPS333H1/HPS355H1  
Recommended Preparation: JHE353H1  
Distribution Requirement Status: Humanities or Science  
Breadth Requirement: Society and its Institutions (3)

## **HPS360H1 History of Modern Cosmology [24L/10T]**

Conceptions of the universe since 1800 with attention to observational sources of changing ideas. History of large telescopes, stellar spectroscopy and radio astronomy. Relativistic conceptions of space and time, models of stellar evolution, discovery of extra-galactic nebulae, Hubble red-shift and microwave background radiation. Philosophical and religious implications are examined.  
Distribution Requirement Status: Humanities or Science  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **HPS390H1 History of Mathematics up to 1700 [36L]**

A survey of ancient, medieval, and early modern mathematics with emphasis on historical issues. (Offered in alternate years)  
Prerequisite: At least one full course equivalent at the 200+level from CSC/MAT/STA  
Exclusion: HPS310Y1; MAT220Y1  
Distribution Requirement Status: Humanities or Science  
Breadth Requirement: Society and its Institutions (3)

## **HPS391H1 History of Mathematics after 1700 [36L]**

A survey of the development of mathematics from 1700 to the present with emphasis on historical issues. (Offered in alternate years)  
Prerequisite: At least one full course equivalent at the 200+level from CSC/MAT/STA  
Exclusion: HPS310Y1; MAT220Y1, MAT391H1  
Distribution Requirement Status: Humanities or Science  
Breadth Requirement: Society and its Institutions (3)

## **HPS410H1 History of Mathematics [24S]**

An historical survey from pre-Greek to the present. Various themes are emphasized year to year, to show mathematics as changing and evolving. A student could expect to gain an historical overview as well as a sense of the unity of the mathematical sciences.  
Prerequisite: HPS309Y1/HPS310Y1/HPS390H1/HPS391H1/MAT220Y1 and permission of instructor  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)



# History and Philosophy of Science and Technology

## **HPS411H1 Conceptual Foundations of Mathematics [24S]**

An examination of foundational and conceptual aspects of mathematics such as: the nature of mathematical objects, logicism, Church's elementalistic mathematics, Gödel's theorem and formal systems, postulational methods, mathematics and reality, the cardinal, ordinal and abstract approaches to numbers, infinity, and Euclidean and non-Euclidean geometries. Not eligible for CR/NCR option.

Prerequisite: PHL245H1/HPS390H1 or HPS391H1 or HPS410H1 or permission of the instructor

Exclusion: PHL346H1

Distribution Requirement Status: Humanities or Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **HPS412H1 History of the Biological Sciences [24S]**

Advanced level survey of biological science from ancient Greece to the 20th century emphasizing primary sources analyses. Not eligible for CR/NCR option.

Prerequisite: Permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HPS430H1 History of Technology I [24S]**

An advanced survey of the history of technology from Antiquity to the Industrial Revolution. Not eligible for CR/NCR option.

Prerequisite: Permission of instructor

Recommended Preparation: HPS201H1/HPS202H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HPS431H1 History of Technology II [24S]**

An advanced survey of the history of technology from the Industrial Revolution to modern times. Not eligible for CR/NCR option.

Prerequisite: Permission of instructor

Recommended Preparation: HPS201H1/HPS202H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HPS481H1 Special Research Opportunity in History of Medicine [TBA]**

This course offers advanced undergraduate students the opportunity to undertake original research into the history of medicine, under the guidance of a faculty mentor.

Prerequisite: Permission of instructor

Recommended Preparation: Preparation with instructor

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **HPS482H1 Special Research Opportunity in History of Science [TBA]**

This course offers advanced undergraduate students the opportunity to undertake original research into the history of the natural or physical sciences, under the guidance of a faculty mentor.

Prerequisite: Permission of instructor

Recommended Preparation: Preparation with instructor

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **HPS483H1 Special Research Opportunity in History of Technology [TBA]**

This course offers advanced undergraduate students the opportunity to undertake original research into the history of the natural or physical sciences, under the guidance of a faculty mentor.

Prerequisite: Permission of instructor

Recommended Preparation: Preparation with instructor

Distribution Requirement Status: Humanities or Science

Breadth Requirement: None

## **HPS484H1 Special Research Opportunity in Philosophy of Science I [TBA]**

This course offers advanced undergraduate students the opportunity to undertake original research into the philosophy of the natural or physical sciences, under the guidance of a faculty mentor.

Prerequisite: Permission of instructor

Recommended Preparation: Preparation with instructor

Distribution Requirement Status: Humanities or Science

Breadth Requirement: None

## **HPS485H1 Special Research Opportunity in Philosophy of Science 2 [TBA]**

This course offers advanced undergraduate students the opportunity to undertake original research into the philosophy of the natural or physical sciences, under the guidance of a faculty mentor.

Prerequisite: Permission of instructor

Recommended Preparation: Preparation with instructor

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **HPS495Y1 Individual Studies [TBA]**

A reading and research project in some aspect of history of science and technology, supervised by a faculty member.

Prerequisite: Two HPS courses

Distribution Requirement Status: Humanities or Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **HPS496H1 Individual Studies [TBA]**

A reading and research project in some aspect of the social, cultural or intellectual history of science and technology, supervised by a faculty member.

Prerequisite: Two HPS courses

Distribution Requirement Status: Humanities or Science

Breadth Requirement: None

## **HPS497H1 Individual Studies [TBA]**

A reading and research project in some aspect of the social, cultural or intellectual history of science and technology, supervised by a faculty member.

Prerequisite: Two HPS courses

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **HPS498H1 Individual Studies [TBA]**

A reading and research project in some aspect of the development of scientific theory or practice, supervised by a faculty member.

Prerequisite: Two HPS courses

Distribution Requirement Status: Humanities

Breadth Requirement: None

# History and Philosophy of Science and Technology

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## **HPS499Y1 Individual Studies [TBA]**

A reading and research project in some aspect of the development of scientific theory or practice, supervised by a faculty member.

Prerequisite: Two HPS courses

Distribution Requirement Status: Humanities

Breadth Requirement: None

## Faculty

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### Professors Emeriti

K. Andrews, MFA  
 L.E. Eleen, MA, Ph D  
 W. McA. Johnson, MA, MFA, Ph D, FRSC  
 D.S. Richardson, MA, Ph D (U)  
 D. Rifat, DA  
 J.W. Shaw, MAT, Ph D, D Hum Lett, FSA, FRSC (T)  
 M.C. Shaw, MA, Ph D (S)  
 B. Welsh-Orcharov, MA, Ph D

### Associate Professor and Chair

E. M. M. Legge, MA, Ph D

### Associate Chair, Undergraduate Studies

C. Anderson, MA, PhD

### University Professor

P.L. Sohm, MA, Ph D (U)

### Professors

M.A. Cheetham, MA, Ph D, FRSC (U)  
 L. Kaplan, MA, Ph D (University of Toronto Mississauga)  
 D. Reid, CM, MA, DFA  
 E.M. Kavalier, MA, Ph D  
 C. Knappett, PhD, FSA (Homer Thompson/Walter Graham Chair in Aegean Prehistory)

### Associate Professors

C. Anderson, MA, Ph D  
 J. Bear, MA, Ph D  
 J. Caskey, MA, Ph D (University of Toronto Mississauga)  
 A. S. Cohen MA, Ph D  
 B. C. Ewald, MA, Dr. Phil E.M.M. Legge, MA, Ph D (U)  
 E. Harney, MA, Ph D (University of Toronto Scarborough)  
 K. Jain, MA, Ph D (University of Toronto Mississauga)  
 E.M.M. Legge, MA, Ph D (U)  
 E. Levy, MA, Ph D (University of Toronto Mississauga)  
 G. Periti, MA, Ph D  
 J. Purtle, MA, M Phil, Ph D (U)  
 J. Ricco, AM, Ph D (University of Toronto Mississauga)  
 A. Syme, MA, Ph D (University of Toronto Mississauga)

### Assistant Professors

Y. Gu, MA, PhD (University of Toronto Scarborough)  
 S.J. Kim, MA, MPhil, PhD

### Adjunct Professor

Y. Hendeles, C.M., O.Ont, Ph.D Amsterdam, LL.D University of Toronto, Nova Scotia College of Art and Design, Ontario College of Art and Design (Hons)

### Royal Ontario Museum

D. Dewan, MA, Ph D  
 A. Gehmacher, MA, Ph D  
 A. Liivandi, MA, MLS  
 A. Palmer, MA, Ph D  
 S. Stock, MA, Ph D

## Introduction

The Department of Art offers Minor, Major, and Specialist programs in the History of Art (FAH).

The FAH curriculum covers the Bronze Age to the present in several global regions: the Mediterranean area, Europe and North America, and Asia. FAH101H1 is an overview of the major periods and monuments in the history of art and architecture, and FAH102H1 serves as a practical and critical introduction to the practice of art history and is a mandatory component of the curriculum; students are encouraged to take this class early in their progress toward an FAH program. Half courses at the 200 level are more comprehensive surveys that thematically introduce the material from specific chronological periods, regional areas, or the history of architecture. Many of these courses, which are offered on a regular basis, serve as "gateway" prerequisites for courses at the 300 and 400 level; students are advised to check the prerequisites for each upper-level course carefully.

Courses in the history of art (FAH) are useful to students in other departments or faculties; history, literature, music, and philosophy are likewise concerned with systems of thought and imagery. Fundamental concepts in such disciplines are embodied or reflected in related works of art of the same general period and area. Students in architecture, geography, or city planning will find courses in the history of architecture of benefit.

At the same time, the Department directs the attention of its students to the wide range of offerings in other departments and urges them to acquire the broad cultural background essential to an understanding of the arts. Of special importance are familiarity with history, a knowledge of the various traditions of literature and mythology, and an acquaintance with philosophy. Courses in cultural, historical or urban geography may also be relevant in programs that include the history of architecture. It is imperative that students interested in pursuing an advanced degree in art history acquire the foreign languages necessary for such work. Although the choice of languages will be dependent on an individual's program of study, it is generally recommended that students learn German and at least one other European language. The Department web site provides a list of courses in other departments that can be counted toward an art history degree.

In conjunction with Woodsworth College, the Department offers courses during the summer term at the University of Siena, Italy, and at other locations abroad. For information about these degree-credit courses, please consult the Department of Art web site or contact the Summer Abroad Program at Woodsworth College, 119 St. George Street (416-978-8713).

The History of Art Students' Association sponsors a variety of lectures and other activities for members of the departmental community.

Many courses in the Department are offered in alternate years only, or on a three-year cycle. For more detailed information on courses and degree programs, consult the Department of Art web site and Undergraduate Handbook at [www.art.utoronto.ca](http://www.art.utoronto.ca). Counselling is available, by appointment, from the Undergraduate Coordinators.

Enquiries:

Ms. Louise Kermodé, Undergraduate Secretary, Sidney Smith Hall, Room 6036 (416-978-7892)

## History of Art Programs

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# History of Art

## History of Art (Arts program)

1 course=1 FCE (one full course equivalent); e.g., FAH101H1 + FAH102H1 = 1 course or 1 FCE

One half course = 0.5 FCE; e.g., FAH102H1

### History of Art Specialist (Arts program)

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol.

Required courses: At least four half courses from the Department's art history offerings, with marks of at least 70% in each course.

1 course=1 FCE (one full course equivalent); e.g., FAH101H1 + FAH102H1 = 1 course or 1 FCE

One half course = 0.5 FCE; e.g., FAH102H1

(11 FCES)

At least nine FAH FCE's, and two FCE's in one or more languages including at least one German, French, or Italian, though an acceptable alternative modern language such as Dutch or Russian (or Chinese and/or another Asian language) may be acceptable. **It is strongly recommended that students acquire a reading knowledge of German, French, or Italian by the end of the third year.** Students specializing in Ancient or Medieval art should also recognize the necessity of studying Greek and/or Latin. Students interested in pursuing Asian art history will need to acquire Chinese and/or Japanese and/or another Asian language.

First Year:

FAH102H1

Higher Years:

1. At least one half course in each of Groups A, B, C, and D (see below for definitions).
2. One additional half course in Group A and Group B.
3. No more than 3.5 FCEs may be taken at the 200-level.
4. 3.5 FCEs at the 300+level
5. 1 FCE at the 400 level. No more than 1.5 FCEs at the 400-level will be counted toward fulfilling program requirements.
6. Approved courses in other programs may be substituted for up to two FAH FCEs. See Department web site for details.

In addition, the Faculty of Arts and Science requires Fine Art History Specialists who do not complete FAH338H1 to complete at least 0.5 FCE in Arts and Science courses in Breadth Category 5: The Physical and Mathematical Universes.

### History of Art Major (Arts program)

1 course=1 FCE (one full course equivalent); e.g., FAH101H1 + FAH102H1 = 1 course or 1 FCE

One half course = 0.5 FCE; e.g., FAH102H1

(6 FCES)

At least six FAH FCEs fulfilling the following distribution requirements:

First Year:

FAH102H1

Higher Years:

1. At least one half course in three of the four FAH Groups (see below for definitions).
2. Three FCEs at the 300+ level, including at least one half-course at the 400-level.
3. No more than 1.0 FCE at the 400-level will be counted toward fulfilling program requirements.
4. Approved courses in other programs may be substituted for up to one FAH FCE. See Department web site for details.

In addition, the Faculty of Arts and Science requires History of Art Majors who do not complete FAH338H1 to complete at least 0.5 FCE in Arts and Science courses in Breadth Category 5: The Physical and Mathematical Universes.

### History of Art Minor (Arts Program)

1 course=1 FCE (one full course equivalent); e.g., FAH101H1 + FAH102H1 = 1 course or 1 FCE

One half course = 0.5 FCE; e.g., FAH102H1

(4 FCES)

At least four FAH courses fulfilling the following distribution requirements:

1. FAH102H1
2. At least one half course in two of the four FAH Groups (see below for definitions)
3. At least one FCE at the 300-level.

## FAH Course Groups

Group A: Ancient, Medieval  
FAH courses numbered 200–229, 300–329, 400–429

Group B: Renaissance–Baroque, Modern–Contemporary–Canadian  
FAH courses numbered 230–59, 330–59, 430–59

Group C: Asian  
FAH courses numbered 260–69, 360–69, 460–69

Group D: History of Architecture  
FAH courses numbered 270–79, 370–79, 470–79, plus FAH300, 309, 328, 362, 364, 404, 421

Note:

1. Certain courses, including FAH101H1, do not satisfy the requirement for any group, but do count toward any FAH degree program.
2. Students who have already taken FAH100Y1 are encouraged, but not required, to take FAH102H1 for the fulfillment of degree requirements.
3. Courses used to satisfy one group requirement cannot be counted toward another group requirement.

## Visual Studies Programs

New admissions for the Visual Studies program will be through the John H. Daniels Faculty of Architecture, Landscape, and Design ([www.daniels.utoronto.ca](http://www.daniels.utoronto.ca)).

The Visual Studies programs and courses have been transferred from the Faculty of Arts & Science to the John H. Daniels Faculty of

Architecture, Landscape, and Design. **The programs described in the Architecture section apply to students enrolled in the programs before September 2014.**

## History of Art Courses

### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

#### **FAH101H1 Monuments of Art History [24L]**

Consideration of the stylistic and contextual significance of representative monuments in the history of art.

Exclusion: FAH100Y/FAH105H5

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

#### **FAH102H1 The Practice of Art History [24L/6T]**

An investigation of the intellectual foundations of the discipline and an introduction to working methods in the study of art history.

Exclusion: FAH105H5/FAH202H5/VPHB39H3

Distribution Requirement Status: Humanities

Breadth Requirement: None

### Note

The recommended preparation for ALL 200 level courses is FAH102H1

#### **FAH206H1 Prehistoric Aegean and East Mediterranean Art and Archaeology [24L]**

An overview of the major monuments, artifacts, themes and problems in the study of the archaeology, art and architecture of the Aegean region and the east Mediterranean to 1000BC.

Exclusion: FAH101Y5/FAH203H5/FAH204H5/FAH205H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

#### **FAH207H1 Greek and Roman Art and Archaeology [24L]**

An overview of the major monuments, artifacts, themes and problems in the study of the archaeology, art and architecture of the civilizations of Greece and Rome.

Exclusion: FAH101Y5/FAH203H5/FAH204H5/FAH205H1/XBC199Y1 L0211

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

#### **FAH215H1 Early Medieval Art and Architecture [24L]**

An overview of major monuments and themes in the art and architecture of Western Europe and the Byzantine East from the third until the eleventh century.

Exclusion: FAH102Y5/FAH261H1/FAH267H5/FAH271H5

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

#### **FAH216H1 Later Medieval Art and Architecture [24L]**

An overview of major monuments and themes in the art and architecture of Western Europe and the Byzantine East from the eleventh until the fifteenth century.

Exclusion: FAH102Y5/FAH261H1/FAH267H5/FAH271H5

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

#### **FAH230H1 Renaissance Art and Architecture (formerly FAH274H1) [24L]**

A selective survey of the major art centres and types of artistic and architectural production in Italy and northern Europe, from the early fifteenth century to the mid-sixteenth. Themes include the relations--artistic, economic and ideological--between northern and southern Europe during this period, the changing role of art in religious life, the emergence of secular themes, and the legacies left by Renaissance art to modern life and culture.

Exclusion: FAH200Y5/FAH274H1/FAH274H5

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

#### **FAH231H1 Baroque Art and Architecture (formerly FAH279H1) [24L]**

Major forms of expression in the visual arts ca. 1600 - ca. 1750 with particular attention to forms, techniques, theories, and patronage of the arts as well as biographies of artists in Italy, France, the Netherlands, Flanders, Germany and England.

Exclusion: FAH200Y5/FAH279H1/FAH279H5

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

#### **FAH245H1 Modernism and anti-Modernism, c. 1750–1900 [24L]**

An introduction to the advent and development of art movements including Rococo and Neoclassicism; Romanticism and Revolution, Realism and the advent of Photography, Impressionism; Academic art; Post-Impressionism.

Exclusion: FAH280H1/FAH287H1/FAH287H5

Recommended Preparation: FAH102H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

#### **FAH246H1 Art Since 1900 [24L]**

An introduction to the consolidation of Modernist tendencies in Europe to the mid 20th century and to the many contemporary responses to these achievements. Individual artists, including Picasso, Matisse, Duchamp, and Matthew Barney are considered in their relationship to various art movements and the theories that supported them, including Expressionism; Abstraction and Constructivism; Dada and Surrealism; Neue Sachlichkeit; Abstract Expressionism; Pop; Conceptual Art; Earth Art; Feminist Art; Postmodernism; New Media Art.

Exclusion: FAH288H1/FAH288H5/FAH289H1/FAH289H5

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

#### **FAH248H1 Canadian Painting 1665-1960 (formerly FAH286H1) [24L]**

An introductory survey of the history of painting in Canada from the 17th to the 20th century.

Exclusion: FAH286H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

# History of Art

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## **FAH252H1 Introduction to the History of Photography [24L]**

This course surveys the history of photography in Europe and North America, from its origins to recent innovations in digital imaging. Emphasis is placed on the various aesthetic, scientific, and political discourses in which photography has been located, and the assumptions and premises associated with the medium's relationship to reality.

Exclusion: FAH352H1

Recommended Preparation: FAH101H1/FAH102H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH260H1 The Artistic Landscape of East Asia (formerly FAH290H1) [24L]**

An overview of major monuments and themes in the art and architecture of East Asia (China, Japan, Korea, Vietnam, Mongolia and Tibet), from the neolithic to the present.

Exclusion: FAH290H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH262H1 Art and Visual Experience in Modern and Contemporary East Asia [24L]**

An overview of major monuments and themes in the art and architecture of East Asia (China, Japan, Korea, Vietnam, Mongolia and Tibet) and its diaspora in the nineteenth and twentieth centuries.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH270H1 Architecture: Rituals and Monuments [24L]**

A survey of architecture from pre-history to the start of modernism, with attention given to the ways in which architecture shapes human experience.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH272H1 Modern Architecture from 1750 to the Present [24L]**

An introduction to the buildings, issues and ideas from Neoclassicism to the present.

Exclusion: FAH282H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH299Y1 Research Opportunity Program [TBA]**

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **NOTE about 300-level courses**

In addition to the Prerequisites listed below, enrolment is also possible for each course with permission of instructor.

## **FAH303H1 Emergence of Greek Civilisation [24L]**

This course investigates the material culture, art and architecture of the Aegean civilizations from the Neolithic through to the building of the palaces of Crete around 2000BC.

Prerequisite: FAH205H1/FAH207H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH309H1 City of Rome [24L]**

The art, architecture and archaeology of the city of Rome to AD476.

Prerequisite: FAH205H1/FAH207H1

Exclusion: FAH302H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH310H1 Greek Vase Painting [24L]**

This course is a comprehensive exploration of the art of Greek vase painting, covering material from the late Geometric period (8th C. BCE) to the late Classical Period (4th C. BCE). While iconography and narrative will form a major portion of the content, the class will also explore issues surrounding material and technique, the prevalent sympotic (drinking) culture and Greek rituals that provides the cultural framework, dynamics of trade, theories of viewership and semiotics, status of the artist, and other historiographical concerns, including problematic issues surrounding the modern practice of collecting.

Prerequisite: FAH207H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH311H1 Greek Sculpture [24L]**

The course provides a thorough examination of ancient Greek sculpture from 7th - 1st century BCE, which in many ways defined the canon of western art that was to follow. Classic issues of style, dating, and technique are complemented by putting them into the contexts of cultural history, religion and socio-politics. While the course is a traditional monument-based survey of major sculptural works from the ancient Greek world, several important issues are also addressed, pertaining both to contemporary society and the study of other areas of art history. These include but are not limited to: gender, social class, colonialism, notion of the artist, originality, and aesthetic theory.

Prerequisite: FAH207H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH313H1 Greek Myth in Ancient Art [24L]**

A general introduction to Greek mythology and its uses (and abuses) by the Greeks and Romans through the art of antiquity. Students will learn about gods and goddesses, heroes and heroines, their attributes and stories which constituted the subjects of (not only) ancient art.

Exclusion: CLA204H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH318H1 Monastic Art and Architecture [24L]**

An examination of the role played by monks and nuns in the creation and use of art and architecture in the Middle Ages.

Prerequisite: FAH215H1/FAH216H1/261H1/454H5

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH319H1 Illuminated Manuscripts [24L]**

A focused survey of different types of manuscripts and their images from the origins of the book in Late Antiquity to the invention of printing.

Prerequisite: FAH215H1/FAH216H1/261H1

Recommended Preparation: SMC358H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH327H1 Secular Art and Architecture of the Middle Ages [24L]**

A consideration of art and architecture made for the court, the aristocracy, and other patrons outside the realm of the Christian church.  
Prerequisite: FAH215H1/FAH216H1/261H1/337H5  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **FAH328H1 Gothic Cathedral (formerly FAH369H1) [24L]**

An examination of the Gothic cathedral from its origins in Paris in the 1130's through its development and elaboration in France, England and Italy. This course also considers monumental decorations in painted glass, wall painting, tapestry and portal sculpture.  
Prerequisite: FAH215H1/FAH216H1/261H1/351H5  
Exclusion: FAH369H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **FAH330H1 German Art and Architecture in the Age of Dürer (formerly FAH306H1) [24L]**

Albrecht Dürer and the painting and printmaking of his contemporaries. Consideration of the great Hall churches of Saxony and the altarpieces of Tilman Riemenschneider and his contemporaries; the status of the arts and attitudes towards Italian art, and the consequences of the Reformation for religious imagery.  
Prerequisite: FAH230H1/FAH231H1/274H1/279H1  
Exclusion: FAH306H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **FAH331H1 Netherlandish Renaissance Art and Culture (formerly FAH307H1) [24L]**

Painting, sculpture and architecture of the Netherlands in the sixteenth century with reference to the arts in Italy, France, Germany and Spain. Consideration of Netherlandish art in the context of literature, religion, urban expansion, political and economic developments; and as a system of communication. Particular attention devoted to Hieronymus Bosch, Pieter Bruegel, the rise of secular art.  
Prerequisite: FAH230H1/FAH231H1/274H1/279H1  
Exclusion: FAH307H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **FAH333H1 The Altarpiece in Italy ca. 1400 - ca. 1600 [24L]**

Focusing on developments in Venice, Florence and Rome during the Renaissance, this course examines altarpieces both as aesthetic objects and as expressions of the social, religious and political structures for which they were made.  
Prerequisite: FAH230H1/FAH231H1/274H1/279H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **FAH335H1 The Art of Love in the Renaissance [24L]**

Love is studied not only as a favorite theme of Renaissance art, but as the basis of some of its fundamental aesthetic claims. The question of love connects Renaissance art to important strains of philosophical thought and religious spirituality, as well as to some urgent realities of social life.  
Prerequisite: FAH230H1/FAH231H1/274H1/279H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **FAH337H1 Rivalry, Imitation and Envy in Italian Renaissance Art [24L]**

This course examines works in different art media, including painting, sculpture and prints, produced from 1400 to 1600, discussing how artistic practice of imitation and emulation stimulated the development of individual styles. In addition, this course addresses notions of disruptive rivalry, and the representation of slander and envy.  
Prerequisite: FAH230H1/FAH231H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **FAH338H1 Art and Consumers in the Renaissance (1400-1700) [24L]**

It has long been said that the material culture of the Renaissance generated the first stir of consumerism with a variety of artifacts produced from 1400 to 1700 in Italy. This course explores the material culture of Renaissance consumerism and discusses the production and function of works in different art media.  
Prerequisite: FAH230H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **FAH340H1 17th-Century Art of the Netherlands (formerly FAH308H1) [24L]**

Concentration on the major masters of Holland's Golden Age, ca. 1580-ca. 1700. Particular attention is paid to genre painting and the notion of "Dutch realism." Consideration of art within its social and historical contexts.  
Prerequisite: FAH230H1/FAH231H1/274H1/279H1  
Exclusion: FAH308H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **FAH341H1 Venetian Renaissance Art and Architecture [24L]**

Form and meaning, theory and practice of painting and architecture in Venice, ca. 1450-ca. 1600. Social, political and cultural contexts of making and viewing art, including works by Giorgione, Titian, Veronese, Tintoretto and Palladio.  
Prerequisite: FAH230H1/FAH231H1/274H1/279H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **FAH344H1 Rembrandt, Rubens and their Age (formerly FAH277H1) [24L]**

Introduction to the art of Rembrandt and Rubens in the context of Netherlandish painting of the seventeenth century. Lectures will treat the approaches of these two artists to biblical and mythological subjects, landscape, portraiture, and their involvement in contemporary politics.  
Exclusion: FAH277H1  
Recommended Preparation: FAH101H1/FAH102H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **FAH345H1 The Romantic Movement in French Art (formerly FAH383H1) [24L]**

This course explores the painting, sculpture, and graphic arts of the Romantic era in France, from about 1820 to 1850. Major emphasis on Gericault, Delacroix, and Ingres in their artistic, cultural, and political context. Key topics in Romanticism, including Orientalism and gender, are also explored.  
Prerequisite: FAH245H1/FAH246H1/287H1  
Exclusion: FAH383H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

# History of Art

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## **FAH346H1 Impressionism (formerly FAH378H1) [24L]**

The origin and development of Impressionism in France and Europe, 1860-1886, in its social, political and intellectual context. Painting, graphics and sculpture by Monet, Renoir, Degas, Pissarro, Sisley, Cassatt and Morisot.

Prerequisite: FAH245H1/FAH246H1/287H1

Exclusion: FAH378H1/378H5

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH347H1 Cubism and Related Movements (formerly FAH384H1) [24L]**

An investigation of the birth and development of Cubism, Futurism and Orphism in Europe and North America.

Prerequisite: FAH245H1/FAH246H1/287H1/288H1

Exclusion: FAH384H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH348H1 The Dada and Surrealist Tradition (formerly FAH385H1) [24L]**

The origins and development of the Dada and Surrealist movements in early 20th-century Western art, and their lasting impact on art after World War II. Painting, sculpture, graphic arts, and the theoretical preoccupation which accompanied artistic production.

Prerequisite: FAH245H1/FAH246H1/288H1/289H1

Exclusion: FAH385H1/447H5

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH349H1 Abstraction in Twentieth-Century Art (formerly FAH387H1) [24L]**

The origins, development, and critical issues pertaining to abstract or non-figurative modes of art as manifested in painting, sculpture and other selected media up to the present time. Movements include European abstract art before World War II as well as post-war developments.

Prerequisite: FAH102H1/FAH245H1/FAH246H1/288H1/289H1/385H1

Exclusion: FAH387H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH350H1 Minimalism (formerly FAH389H1) [24L]**

An investigation of the different definitions and issues of minimal art including seriality, materials, process, objecthood, chance, installation, reception, relations to music and film, and the influence of structuralism.

Prerequisite: FAH102H1/FAH245H1/FAH246H1/288H1/289H1

Exclusion: FAH389H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH352H1 19th Century Photography [24L]**

An introduction to the major artists, movements, and debates in photography in Europe and North America, from its prehistory to the turn of the century. Issues considered include the relationship of social class to aesthetics, the role of illusion, the rise of mass reproduction.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH353H1 On Display: Cultures of Exhibition, 1789-1900 [24L]**

Examination of the historical development of the cultures of exhibition in Nineteenth-Century Europe, and the diversity of venues displaying works of art and nature. Historical and theoretical overview is complemented by case studies which include investigations of private cabinets of curiosity, encyclopedic museums, commercial galleries, side-shows, and world's fairs.

Prerequisite: Any FAH 200-level course

Recommended Preparation: some introduction to art and/or cultural history

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH354H1 Recent and Contemporary Canadian Art (formerly FAH386H1) [24L]**

An examination of the visual arts in Canada from the 1960's to the present. A large and diverse range of media, practices, artists, and theoretical contexts will be examined. Emphasis is placed on work that can be seen in the original.

Prerequisite: FAH102H1/FAH245H1/FAH246H1/FAH248H1/FAH286H1/FAH288H1/FAH289H1

Exclusion: FAH386H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH355H1 Landscape to EcoArt [24L]**

Ecological art is a focus in contemporary global art. We examine ecoart's antecedents in the landscape genre and Earth Art and the diverse theoretical and disciplinary perspectives that inform our understanding of these movements. Artists include Burtynsky, Eliasson, Long, Mendieta, Netco, Smithson, Turrell. Readings include Deleuze, Heidegger, Latour.

Prerequisite: FAH246H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH360H1 World of the Senses: Chinese Decorative Arts [24L]**

This course surveys late imperial Chinese decorative arts from the Song (960-1127) through Qing (1644-1911) dynasties. It focuses on ceramics/porcelain, textiles, and furniture, attending especially to works in Toronto collections. Students will read primary and secondary sources to learn how decorative arts shaped daily life in imperial China.

Prerequisite: Any 200-level FAH half course/any 100- or 200-level EAS Society-Culture course.

Recommended Preparation: FAH260H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH363H1 The Mechanics of the Image in East Asia [24L]**

East Asian images differ from Western ones in material support, format, and technologies of image-making. This course probes how East Asian images -- painting on objects, handscrolls, prints, optical media, film, and new media --work.

Prerequisite: Any 200 level FAH half course/ANY 100 or 200 level EAS Society-Culture course

Recommended Preparation: FAH260H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)



## **FAH364H1 Visual South Asia [24L]**

An overview of the visual culture (monuments to films) of South Asia from the Indus Valley Civilization (3500 BCE) to the contemporary. Focus on visual literacy, stylistic evolution, major concepts and the first-hand study of objects.

Prerequisite: any 200-level FAH half course / any course in Asian history, culture, or religion

Recommended Preparation: FAH260H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH368H1 Encounters: Art Within and Beyond East Asia [24L]**

Artistic production moved fluidly within and beyond East Asia. To understand the artistic world of East Asia, this course probes phenomena that may include Buddhist art, art of conquest dynasties, Chinoiserie, art of the Pacific Rim, film, and contemporary art.

Prerequisite: Any 200 level FAH half course/ANY 100 or 200 level EAS Society-Culture course

Recommended Preparation: FAH260H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH370H1 European Renaissance Architecture (formerly FAH324H1) [24L]**

Architecture and architectural theory ca. 1400 –ca. 1600.

Prerequisite: FAH270H1/FAH278H1

Exclusion: FAH324H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH371H1 Architecture and Urbanism in Baroque Europe (formerly FAH355H1) [24L]**

Architecture studied through its various building types and in its urban context. Themes include architecture and power under Absolutism, and the rise of the modern city.

Prerequisite: FAH270H1/278H1/281H1

Exclusion: FAH355H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH372H1 Architecture in the Age of Historicism ca. 1750–ca. 1900 (formerly FAH281H1) [24L]**

Major monuments and key figures in architecture and urbanism in Europe and North America from the Enlightenment to the birth of Modernism.

Prerequisite: FAH270H1/FAH272H1/278H1

Exclusion: FAH281H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH373H1 Modern Architecture Since 1890 (formerly FAH282H1) [24L]**

Major monuments and key figures in architecture and urbanism from Industrialization to the mid-twentieth century. Topics may include architectural theory, colonialism, and new technologies.

Prerequisite: FAH270H1/FAH272H1/278H1/281H1

Exclusion: FAH282H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH374H1 Consequences of Modernism: Architecture after 1945 (formerly FAH382H1) [24L]**

An examination of architectural theory and practice from the end of Modernism to the present.

Prerequisite: FAH270H1/FAH272H1/278H1/281H1/282H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH376H1 Canadian Architecture: A Survey [24L]**

Vernacular traditions in building, patterns of settlement and urbanization, and development of high styles in architecture in New France, British North America, and what is now Canada, from ca. 1650 to ca. 1925.

Material economy, cultural identity, local character, regional expression, national symbolism and international influences.

Prerequisite: FAH270H1/FAH272H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH377H1 Dilemmas of Nature and Culture: Landscape Architecture since 1850 [24L]**

This course examines landscape architecture in relation to its political and social contexts from the mid-nineteenth century to the present when it emerged as a profession in North America. It looks at how landscape architecture embodies and challenges our understandings of culture's variable, tangled relationship to nature. It discusses specific projects, designers and their writings that shaped popular understandings of society's connection to the environment.

Prerequisite: FAH102H1/FAH246H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH380H1 Special Topics in Art History (formerly FAH395H1) [24L]**

The study of various aesthetic, cultural, social, political, and theoretical aspects of Western art and photography across the centuries.

Prerequisite: Two FAH half courses or permission of instructor

Exclusion: FAH395H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH380Y1 Special Topics in Art History (formerly FAH395H1) [48L]**

The study of various aesthetic, cultural, social, political, and theoretical aspects of Western art and photography across the centuries.

Prerequisite: Two FAH half courses or permission of instructor

Exclusion: FAH395H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH381H1 Problems in Jewish Art (formerly FAH329H1) [24L]**

This course investigates the changing definition of Jewish art and the status of Jewish artists. Other issues explored include Jewish-Christian visual polemics, the construction of individual and communal Jewish identity through art, architecture, and texts, and the conceptual transformation of Jewish craft and ritual objects into art.

Exclusion: FAH329H1

Recommended Preparation: FAH102H1, a 200 level FAH half course

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **Studies Abroad**

Studying original works of art and architecture is a key component in the history of art. The Department of Art offers, through Woodsworth College, courses abroad on a regular basis and encourages students to consider enrolling in these. Courses are offered on a rotating basis; please consult

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Woodsworth College Summer Abroad web site, [www.summerabroad.utoronto.ca](http://www.summerabroad.utoronto.ca), the department's web site, and the registration instructions and timetable at <http://www.artsci.utoronto.ca/current/course> for information on specific courses offered in any given year.

## **FAH391Y0 Studies Abroad in Ancient Art and Architecture**

Studies Abroad in Ancient Art and Architecture. Not eligible for CR/NCR option.

Prerequisite: one FAH half course in ancient art, architecture, and archaeology/permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH392Y0 Studies Abroad in Medieval Art and Architecture**

Studies Abroad in Medieval Art and Architecture. Not eligible for CR/NCR option.

Prerequisite: one FAH half course in medieval art and architecture/permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH393Y0 Studies Abroad in Renaissance and Baroque Art and Architecture**

Studies Abroad in Renaissance and Baroque Art and Architecture. Not eligible for CR/NCR option.

Prerequisite: one FAH half course in Renaissance or Baroque art and architecture/permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH394Y0 Studies Abroad in Modern and Contemporary Art and Architecture**

Studies Abroad in Modern and Contemporary Art and Architecture.

Prerequisite: one FAH half course in Modern or Contemporary art and architecture/permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH395Y0 Studies Abroad in Canadian Art and Architecture**

Studies Abroad in Canadian Art and Architecture. Not eligible for CR/NCR option.

Prerequisite: one FAH half course in Canadian art and architecture/permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH396Y0 Studies Abroad in Asian Art and Architecture**

Studies Abroad in Asian Art and Architecture. Not eligible for CR/NCR option.

Prerequisite: one FAH half course in Asian art and architecture/permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH397Y0 Studies Abroad in Architectural History**

Studies Abroad in Architectural History. Not eligible for CR/NCR option.

Prerequisite: one FAH half course in architectural history/permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH398H0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **FAH399Y0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **400-level courses**

### Note

Enrolment is limited in 400 level courses. In addition to the Prerequisites listed below, enrolment is also possible for each course with permission of instructor. For additional information, refer to the annual registration instructions and timetable.

## **FAH401H1 Aegean Wall Paintings [24S]**

Investigation of the wall-paintings of the Minoan, Cycladic and Mycenaean worlds in the second millennium BC: context, associations, viewing and historical interpretations.

Prerequisite: FAH205H1/FAH206H1

Recommended Preparation: FAH300H1/FAH303H1/FAH304H1/

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH406H1 Cross-Cultural Issues in Ancient Art Beyond Greece and Rome [24S]**

When cultures collide, they assimilate, they exchange, they transform, and they develop, and there seems to be a pattern of recognizable centres of power around which artistic tradition often revolves. This has caused the conventional understanding of certain flowering of artistic heritage as a product of cross-cultural influences. This course is a seminar style survey that explores these fascinating amalgams of artistic traditions that lie at the Eastern outskirts of the Hellenistic world throughout the Roman Period, from Bactria to India, and with a heavy focus on the Buddhist art of Gandhara, reaching out along the Silk Road.

As the title suggests, the class aims at a renewed framework that re-evaluates the role of the Ancient West, which has been absent since the heavily Eurocentric scholarship from the early 20th century. It also aims to familiarize students with current theoretical issues surrounding cross-cultural studies as it pertains to the visual arts, touching upon modern postcolonial theories of space.

Prerequisite: FAH207H1; three additional FAH courses

Recommended Preparation: FAH311H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH407H1 Studies in Roman Painting and Sculpture [24S]**

Issues explored might cover Republican and Imperial painting; its Hellenistic sources and parallel media (mosaic, relief). The four distinctive genres of Roman sculptural production: the portrait, the historical relief, sarcophagi, and replicas of famous Greek sculptures. Styles, themes and modes of display in cultural context.

Prerequisite: FAH206H1

Recommended Preparation: FAH305H1/FAH309H1/FAH312H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH420H1 Studies in Western Medieval Art and Architecture [24S]**

In-depth examination of monuments and issues in the art and architecture of Western Europe from the sixth to the fifteenth century.

Prerequisite: FAH215H1/FAH216H1/FAH261H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH421H1 Studies in Medieval Cities [24S]**

A focused examination of urbanism, art and architecture of a specific medieval city, such as Jerusalem, Rome, Constantinople, or Paris.

Prerequisite: FAH215H1/FAH216H1/FAH261H1

Recommended Preparation: FAH325Y0/FAH327H1/FAH328H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH423H1 The Palaces of Minoan Crete [24L]**

Around 2000 BC, the island of Crete sees the emergence of what are arguably the earliest towns and states in European prehistory. At the heart of this new social order are the so-called 'palaces', massive architectural complexes usually interpreted as seats of administrative and political authority. However, fresh discoveries over the past two decades, coupled recently with radical new interpretations, require a fundamental rethinking of the nature of the palaces and their role in Minoan society.

This course will provide students with an active opportunity to learn about the latest developments in Minoan art, architecture, and archaeology.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH424H1 Studies in Medieval Book Illumination [24S]**

A consideration of individual types of books, their decoration, function, and cultural context. Topics might include, for example, Gospels, Psalters, or Books of Hours.

Prerequisite: FAH215H1/FAH216H1/FAH261H1

Recommended Preparation: FAH319H1/SMC358H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH430H1 Pieter Bruegel (formerly FAH428H1) [24S]**

The study of Pieter Bruegel's works in the context of Netherlandish culture. Emphasis on secular works.

Prerequisite: FAH307H1/FAH331H1; permission of instructor

Exclusion: FAH428H1

Recommended Preparation: Reading knowledge of French or German

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH432H1 Caravaggio [24S]**

The life and work of Caravaggio in the context of 17th-century Roman and Neapolitan art theory and patronage, with a particular emphasis on the contentious issue of realism.

Prerequisite: Permission of instructor

Recommended

Preparation: FAH230H1/FAH231H1/FAH274H1/FAH279H1/FAH341H1/FAH342H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH433H1 Leonardo and His Legacy in Renaissance Italy [24S]**

This seminar examines major critical developments in the interpretation of High Renaissance art in Italy by looking at key works produced by Leonardo, his contemporaries, and followers (1470-1530).

Prerequisite: FAH230H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH434H1 The First Art Historians [24S]**

In Vasari's *Lives of the Artists* and their "after-lives," painters and humanists explored questions of word and image, art and life, biography and history, the psychology of style, the economics and politics of art and the languages of art. How and why did art history originate?

Prerequisite: FAH230H1/FAH231H1 and permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH435H1 Correggio [24S]**

Exhibitions, symposia and several publications have recently re-considered the art of the High Renaissance artist Correggio (1489/1494?-1534), but its understanding remains problematic within the current paradigms of Italian Renaissance art. As has been often observed, Correggio was and still is an undervalued artist. This seminar will consider Correggio's most ambitious works of art of his short career –his altarpieces, dome decorations and amazing erotic images –and reconstruct their meanings to familiarize undergraduate students with an overlooked corpus of works in the general histories of Renaissance art, while providing them with the basic art historical research tools in the field of Italian Renaissance art.

Prerequisite: FAH230H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH436H1 Italian Renaissance Art, Fashion, and Material Culture [24S]**

This seminar explores fashion in the visual and material culture of Renaissance Italy. It focuses on the discourse of fashion as represented by Renaissance artists in their works and as treated in contemporary texts. It further examines the multiple meanings of dress in the courts of Renaissance Italy.

Prerequisite: FAH230H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH440H1 Dutch Genre Painting of the 17th Century [24S]**

Study of so-called "scenes of everyday life." Special attention given to cultural context and problems of interpretation, the work of Jan Vermeer, and the reputation of this art in following centuries.

Prerequisite: FAH307H1/308H1/FAH331H1/FAH340H1/FAH428H1; permission of instructor

Recommended Preparation: Reading knowledge of French or German

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH445H1 The Paris Salon and French Art of the Nineteenth Century [24S]**

French painting, sculpture, and criticism of the mid-19th century, with particular to the key role played by the Paris Salon: its emergence and decline as a public space for exhibitions, its impact on the shape of artistic careers, and the relation between the Salon and artistic practices. Attention both to Modernist artists, such as Manet, and to their opponents. Students will engage in critical readings of primary and secondary texts (Baudelaire, T. J. Clark, Michael Fried), as well as conduct original research on important Salon paintings and sculptures.

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Assignments will include a book review, an annotated bibliography, and a research paper.

Prerequisite: FAH245H1/FAH280H1/FAH287H1

Recommended

Preparation: FAH346H1/FAH345H1/FAH378H1/FAH383H1.

Reading knowledge of French strongly recommended.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH447H1 19th-Century Landscape Painting [24S]**

Investigation of English, French, German and Swiss landscape painting from the birth of the Romantic movement to Post-Impressionism.

Prerequisite: FAH245H1/FAH287H1

Recommended Preparation: Reading knowledge of French or German

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH448H1 International Art Since 1940 (formerly FAH402H1) [24S]**

Developments in the mainstream of Western painting and sculpture since World War II with special emphasis upon interrelations between Europe and North America.

Prerequisite: FAH246H1/FAH288H1/FAH289H1/FAH348H1/FAH350H1/FAH351H1/FAH385H1/FAH388H1/FAH389H1

Exclusion: FAH402H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH449H1 Contemporary Art Movements (formerly FAH411H1) [24S]**

Selected aspects of the complex array of international contemporary art movements, their artists, objects, and critical discourses. Potential issues include the theoretical, philosophical, and political concerns addressed by given artworks and artists; the role of art journals, the private patron, and museum display.

Prerequisite: FAH246H1/FAH289H1

Exclusion: FAH411H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH457H1 Issues in Canadian Art, ca. 1900–1940 (formerly FAH415H1) [24S]**

Focused, thematic examinations of the visual arts in Canada in the first half of the twentieth century.

Prerequisite: FAH248H1

Exclusion: FAH415H1/FAH416H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH458H1 Issues in Recent Canadian Art (formerly FAH416H1) [24S]**

Focused, thematic examinations of the visual arts in Canada from 1940 to the present.

Prerequisite: FAH246H1/FAH286H1/FAH352H1/FAH386H1

Exclusion: FAH416H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH461H1 East Asian Art as a Cultural System [24S]**

Methodologically-focused seminar engaged with recovering and articulating in Western terms indigenous ways of seeing and thinking about East Asian art.

Prerequisite: FAH260H1/FAH262H1/FAH290H1/FAH361H1/FAH362H1/FAH363H1/FAH364H1/FAH365H1/FAH368H1/EAS211Y0/EAS227Y/EAS233H1/EAS237Y1/EAS305Y1/EAS331Y1/EAS418H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH462H1 Outside East Asian Art [24S]**

Methodologically- and historiographically-focused seminar that attends to the contingencies and ruptures of approaching East Asian art through Western art historical methods.

Prerequisite: FAH260H1/FAH262H1/FAH290H1/FAH361H1/FAH362H1/FAH363H1/FAH364H1/FAH365H1/FAH368H1/EAS211Y0/EAS227Y/EAS233H1/EAS237Y1/EAS305Y1/EAS331Y1/EAS418H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH463H1 Materiality, Objecthood, Connoisseurship and Collecting in the Arts of East Asia [24S]**

Seminar based on firsthand examination of East Asian objects in Toronto collections that attends to the historical processes by which such objects were valued and collected.

Prerequisite: FAH260H1/FAH262H1/FAH290H1/FAH361H1/FAH362H1/FAH363H1/FAH364H1/FAH365H1/FAH368H1/EAS211Y0/EAS227Y/EAS233H1/EAS237Y1/EAS305Y1/EAS331Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH464H1 Transregional East Asian Art [24S]**

In-depth examination of the play of East Asian Art within and beyond East Asia.

Prerequisite: FAH260H1/FAH262H1/FAH290H1/FAH361H1/FAH362H1/FAH363H1/FAH364H1/FAH365H1/FAH368H1/EAS211Y0/EAS227Y/EAS233H1/EAS237Y1/EAS305Y1/EAS331Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH465H1 Exhibiting China [24S]**

This seminar teaches students the skills required to curate an exhibition of Chinese materials. Working firsthand with objects of Chinese art and visual culture in local Toronto collections, students learn to document the object, assess authenticity, write object labels, panel texts, and catalogue essays. Students will thus prepare an exhibition, actual or virtual, of Chinese objects in local collections.

Prerequisite: FAH260H1/FAH262H1/FAH290H1/FAH361H1/FAH362H1/FAH363H1/FAH364H1/FAH365H1/FAH368H1/EAS211Y0/EAS227Y/EAS233H1/EAS237Y1/EAS305Y1/EAS331Y1

Recommended Preparation: Two additional courses in Chinese/East Asian art

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH466H1 Photography in India [24S]**

Examination of current issues in and methods of studying photography in India. Focus on visual evolution, theories and concepts of looking at photographs, and intersections of India with the rest of the world. Includes first-hand study of objects in ROM collection, and possible guest lectures.

Prerequisite: FAH262H1/FAH364H1/FAH365H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH470H1 Studies in Renaissance and Baroque Architecture (formerly FAH450H1) [24S]**

An in-depth study of themes and problems in architecture in Renaissance and Baroque Europe.

Prerequisite: FAH324H1/FAH355H1/FAH370H1

Exclusion: FAH450H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH480H1 University Art Centre Exhibition Course (formerly FAH454H1) [24S]**

Students work together designing and installing an exhibition of works of art, normally drawn from the collections of the University Art Centre. The course meets every two weeks at the University Art Centre over the entire academic year.

Prerequisite: 8 FAH half courses; permission of instructor (application in department)

Exclusion: FAH451H5/454H1/455H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH481H1 Internship (formerly FAH455H1) [24S]**

The internship is designed to offer hands-on experience pertaining to the study, exhibition, and care of works of art, focused on the collections and activities of the University Art Centre, an auction house, a public museum, or a private gallery. Students must provide proof of their acceptance as an intern by the Art Centre/auction house/museum/gallery in order to be enrolled in the course. This course is Pass/Fail. Not eligible for CR/NCR option.

Prerequisite: 8 FAH half courses; permission of instructor (application in department)

Exclusion: FAH454H1/FAH455H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH481Y1 Internship (formerly FAH455H1) [48S]**

The internship is designed to offer hands-on experience pertaining to the study, exhibition, and care of works of art, focused on the collections and activities of the University Art Centre, an auction house, a public museum, or a private gallery. Students must provide proof of their acceptance as an intern by the Art Centre/auction house/museum/gallery in order to be enrolled in the course. This course is Pass/Fail. Not eligible for CR/NCR option.

Prerequisite: 8 FAH half courses; permission of instructor (application in department)

Exclusion: FAH454H1/FAH455H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH483H1 Introduction to Conservation: Materials, Deterioration, and Preservation in Art and Material Culture (formerly FAH453H1) [24S]**

An introduction to conservation, designed to give students a basic understanding of the field, its techniques, and its purposes. Sessions conducted by specialists in the Royal Ontario Museum conservation department.

Prerequisite: 8 FAH half courses; permission of instructor.

Exclusion: FAH453H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH484H1 Fashion, & Textiles: Culture & Consumption (formerly FAH459H1) [24S]**

This course examines the history, meaning and consumption of Western European textiles (Late Antique - 18th century) and fashionable dress (18th - 21st centuries). Analysis and research will combine student seminars with the study of actual artefacts in the Textile & Costume Collection of the Royal Ontario Museum.

Prerequisite: 8 half FAH courses

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH485H1 Collecting Canada: Canadian Pictorial Arts Collection at the Royal Ontario Museum (formerly FAH456H1) [24S]**

Theoretical and practical engagement with the ROM's Canadian paintings, prints and drawing collections (18th-20th C). Through lectures, workshops, and seminars, we consider the collecting, interpretation, and display of images within the framework of "documentary art" and its various connotations.

Prerequisite: FAH248H1/286H1, 2.0 300-level FAH courses

Exclusion: FAH456H1

Recommended Preparation: FAH352H1/FAH386H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH486H1 Case Studies at the Royal Ontario Museum [24S]**

In-depth investigation of objects at the Royal Ontario Museum. Content will vary according to the museum department offering the course in any given semester.

Prerequisite: 8 FAH half courses

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH487H1 Introduction to Asian Textiles [24S]**

Introduction to the diverse textile traditions of Asia and the diverse means for interpreting them, with a concentration on core production areas, select regional traditions and connecting forces. Includes first-hand study of objects in ROM collections and galleries and possible guest lectures.

Prerequisite: 8 half FAH courses (4.0 FCE)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH488H1 Special Topics in Chinese Art: Ideas and Practices [24S]**

Making use of ROM's Chinese art collection, this object-based, case-study oriented seminar explores the ideas and practices behind works of Chinese art. The course examines art and artifacts in relation to their historical contexts, paying close attention to such issues as political practices, religious quests, patronage, audience, and literati culture.

Prerequisite: 8 half FAH courses which may include 1.0 EAS FCE as a substitute

Recommended Preparation: Introductory courses in East Asian or Chinese art.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH489H1 Topics in the History of Art and Architecture [24S]**

Focused examination of special topics in any period of Mediterranean, European, North American, or Asian art and architecture.

Prerequisite: 8 FAH half courses; permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

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## **FAH490H1 Introduction to the Textile Arts of the Indian Ocean World [24S]**

The Indian Ocean has been called the Cradle of Globalization. For thousands of years monsoon winds linked the people and arts of this vast Ocean that stretches from East Africa in the West to Indonesia (and beyond) in the East. Throughout its long history, handwoven textiles have been amongst the area's greatest art forms, trade goods, religious objects and markers of identity. This course will survey the wide variety of these forms, from c. 1100 to 1950. Special attention is placed on India, which lies at the center of the region, and originated many of the fibres, techniques, design and iconography of the wider area. Select regional manifestations are then examined in depth, using the ROM's extensive collections. These range from the silks of Madagascar, to embroidered men's wear of Oman, to the cosmopolitan batiks of northern coastal Java. It is seen that all these traditions can best be understood within the framework of the wider Indian Ocean region.

Prerequisite: Permission of the instructor

Recommended Preparation: Asian art, Islamic art, or anthropology

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **Independent Studies**

Students may request to undertake supervised research projects culminating in a major research paper. Such projects are often the continuation of work in a previous FAH course, usually at THE 400 level. Not more than one course in Independent Studies may be taken in a single year. Students must obtain in advance the written consent of a faculty supervisor(s) and the Undergraduate Secretary before registering.

Prerequisite for all independent studies: five FAH courses; permission of instructor

## **FAH491H1 Independent Studies in Ancient Art and Architecture**

Independent Studies in Ancient Art and Architecture. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH491Y1 Independent Studies in Ancient Art and Architecture**

Independent Studies in Ancient Art and Architecture. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH492H1 Independent Studies in Medieval Art and Architecture**

Independent Studies in Medieval Art and Architecture. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH492Y1 Independent Studies in Medieval Art and Architecture**

Independent Studies in Medieval Art and Architecture. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH493H1 Independent Studies in Renaissance and Baroque Art and Architecture**

Independent Studies in Renaissance and Baroque Art and Architecture. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH493Y1 Independent Studies in Renaissance and Baroque Art and Architecture**

Independent Studies in Renaissance and Baroque Art and Architecture. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH494H1 Independent Studies in Modern and Contemporary Art and Architecture**

Independent Studies in Modern and Contemporary Art and Architecture. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH494Y1 Independent Studies in Modern and Contemporary Art and Architecture**

Independent Studies in Modern and Contemporary Art and Architecture. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH495H1 Independent Studies in Canadian Art and Architecture**

Independent Studies in Canadian Art and Architecture. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH495Y1 Independent Studies in Canadian Art and Architecture**

Independent Studies in Canadian Art and Architecture. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH496H1 Independent Studies in Asian Art and Architecture**

Independent Studies in Asian Art and Architecture. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH496Y1 Independent Studies in Asian Art and Architecture**

Independent Studies in Asian Art and Architecture. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH497H1 Independent Studies in Architectural History**

Independent Studies in Architectural History. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **FAH497Y1 Independent Studies in Architectural History**

Independent Studies in Architectural History. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **First Year Seminars**

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details here.

## **Visual Studies Courses**

New admissions for the Visual Studies program will be through the John H. Daniels Faculty of Architecture, Landscape, and Design ([www.daniels.utoronto.ca](http://www.daniels.utoronto.ca)).

The Visual Studies programs and courses have been transferred from the Faculty of Arts & Science to the John H. Daniels Faculty of Architecture, Landscape, and Design. **The courses described in the Architecture section apply to students enrolled in the programs before September 2014.**

## **FAH312H1 Art of the Hellenistic Age (formerly FAH317H1) [24L]**

Transformation in the visual arts, paintings, sculpture, and mosaics of the expanding Greek world c. 400BC to c. 100BC; the response to Hellenization from the new artistic centres of Asia Minor and Italy.

Prerequisite: FAH205H1/FAH207H1

Exclusion: FAH317H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## Faculty

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### Collaborative Program of the Faculty of Arts & Science and the Faculty of Medicine

#### Associate Professor and Director

M. Woodin, Ph D

#### Associate Professor, Teaching Stream and Associate Director

R. Wilson, M Sc, Ph D

#### Associate Professors, Teaching Stream

A. Dias, M Sc, Ph D

W. Ju, M Sc, Ph D

M. Papaconstantinou, Ph D

F. Taverna, Ph D

#### Assistant Professor, Teaching Stream

C. Dockstader, Ph D

The Human Biology Program is an undergraduate collaborative program between the Faculty of Arts and Science and the Faculty of Medicine.

Our programs examine the biology of our species through interdisciplinary lenses by integrating topics from the biological and medical sciences, social sciences, and the humanities. The overall structure of the collaborative program is designed to expose students to the transdisciplinary field of human biology with opportunities to specialize in selected areas of inquiry in the field.

A central objective to the Human Biology Program (HMB) is to facilitate to the development of core competencies in our students: critical and creative thinking, self-directed learning, quantitative and analytical reasoning, and effective communication and research. HMB aims to prepare students for future careers where an interdisciplinary education in biological and health sciences would be an asset. HMB offers diverse experiential learning opportunities for students which includes a faculty that is at the cutting-edge of teaching innovation, strong academic relationships with other department and faculties at the University, service learning with organizations in Toronto, and undergraduate research in laboratories on campus and affiliated hospital research institutes.

After first year life science courses, undergraduate students may enter the Human Biology program in their selected HMB program: Fundamental Genetics and its Applications, Global Health, Health and Disease, Human Biology, and Neuroscience. HMB students start by taking foundational courses to provide background on their subject area and introduce students to topics integral to the study of human biology. Students then progress to more specialised topics and have more detailed instruction but are also encouraged to participate in self-directed and group learning. In their final year, HMB students are further engaged to practice critical analysis by taking one of our specialized seminar courses in their program, which focuses on expanding the depth of knowledge the student has acquired while studying human biology at the University of Toronto.

Contact Information:  
Human Biology Program Office  
Wetmore Hall, Room 105  
300 Huron Street

human.biology@utoronto.ca

416-946-7609

<http://hmb.utoronto.ca>

## Human Biology Programs

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The Human Biology Program offers five areas of study, all of which offer a major program, and four of which offer a specialist program.

Students are allowed to switch between Human Biology major programs, but should first obtain written permission from the Program Office to determine which of their completed courses will transfer to their new Human Biology major program.

***Students are not permitted to be enrolled in more than one Human Biology major program.***

### HMB: Fundamental Genetics and its Applications

Advances in medicine, agriculture, and biodiversity conservation are largely due to an improved understanding in genetics. While these advances have already dramatically benefitted humanity, our understanding of genetics continues to progress and evolve, which influences the development of innovative applications- like biotechnology- that impact our society. The objective of the HMB: Fundamental Genetics and its Applications specialist and major programs is to provide students with a solid foundation integrated in the multi-disciplinary field of genetics.

#### Fundamental Genetics and its Applications Specialist (Science program)

This is a Type 3 limited enrolment program. Meeting the following minimum criteria does not guarantee admissions to the specialist program:

- BIO120H1 with a minimum mark of 60%
- BIO130H1 with a minimum mark of 60%
- CHM135H1 and CHM136H1 or CHM138H1 and CHM139H1 or CHM151Y1 with a minimum mark of 60%
- MAT135H1 or PHY131H1 or PHY151H1 with a minimum mark of 60%

**and**, a composite average of at least 70% on the above 2.5 FCE.

Students may apply for this specialist program only during Round 1 of Type 3 Enrolment. Students applying for admissions to the program utilising transfer credits, or later than the end of their first year, will be considered on a case-by-case basis. For more information about Type 3 enrolment, visit the Faculty of Arts & Science Program Enrolment Instructions website.

#### Required Courses (14.0 FCE)

Prior to entering the specialist program:

1. BIO120H1, BIO130H1
2. (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1 (*transfer credits will be accepted in lieu of the chemistry requirements only if they carry a direct exclusion to a pre-approved chemistry course*)
3. MAT135H1/PHY131H1/PHY151H1



Year 2: Foundations in genetics and its applications

4. HMB201H1
5. BIO230H1/BIO255H1, BIO220H1
6. HMB265H1/BIO260H1
7. BCH210H1
8. statistics: STA220H1/ PSY201H1/ HMB325H1
9. bioethics: PHL281H1/ HMB306H1

Year 3: Selected topics in genetics

10. 1.5 FCE from selected depth courses on molecular genetics and its applications: HMB301H1, HMB321H1, BCH311H1/ CSB349H1/ PSL350H1

11. 0.5 FCE from a higher-year lab course: HMB311H1/ BCH370H1/ CSB330H1/ CSB350H1/ MGY360H1/ MGY379H1

12. 2.0 FCE from depth courses on fundamental and applied genetics: HMB342H1/ HMB360H1/ CSB328H1/ CSB331H1/ CSB340H1/ CSB352H1/ CSB351Y1/ CSB353H1/ BCH311H1/ BCH340H1/ EEB318H1/ EEB323H1/ EEB325H1/ EEB362H1/ EHJ352H1/ MGY377H1/ MGY378H1

Year 4: Advanced topics in genetics with emphasis on primary research and critical analysis

13. 1.5 FCE from courses with advanced topics in applied genetics: HMB401H1/ HMB431H1/ HMB435H1/ HMB436H1/ HMB437H1/ HMB441H1/ HMB489H1/ BCH441H1/ BCH447H1/ CSB458H1/ CSB459H1/ CSB472H1/ CSB474H1/ EEB459H1/ EEB460H1/ NFS487H1/ PSL401H1

14. 1.5 FCE from courses with advanced topics in fundamental genetics: HMB421H1/ BCH425H1/ BCH426H1/ BCH462H1/ BCH440H1/ BCH445H1/ CSB428H1/ CSB429H1/ CSB430H1/ CSB452H1/ CSB460H1/ EEB445H1/ LMP436H1/ MGY420H1/ MGY425H1/ MGY428H1/ MGY434H1/ MGY440H1/ MGY451H1/ MGY452H1/ MGY470H1/ PCL477H1

15. HMB499Y1

*n.b. At least 1.0 FCE must be at the 400-level*

## Fundamental Genetics and its Applications Major (Science program)

This is a Type 1 open enrolment program. Students are permitted to enrol in the major during the program enrolment cycle as soon as they have earned 4.0 FCE. It is recommended students complete their first year life science requirements before entering the program

### Required Courses (8.0 FCE)

First-Year Life Sciences

1. BIO120H1, BIO130H1
2. (CHM135H1, CHM136H1)/ (CHM138H1, CHM139H1)/CHM151Y1 (*transfer credits will be accepted in lieu of the chemistry requirements only if they carry a direct exclusion to a pre-approved chemistry course*)
3. MAT135H1/ PHY131H1/ PHY151H1

Year 2: Foundations in genetics and its applications

4. HMB201H1

5. BIO230H1/ BIO255H1, BIO220H1
6. HMB265H1/BIO260H1
7. BCH210H1
8. statistics: STA220H1/ PSY201H1/HMB325H1

Year 3: Selected topics in genetics with greater depth and self-directed learning

9. 1.5 FCE from selected depth courses in molecular genetics and its applications: HMB301H1/ HMB311H1/ HMB321H1/ HMB342H1/ HMB360H1/ BCH311H1/ CSB349H1/ PSL350H1/ CSB328H1/ CSB331H1/ CSB340H1/ CSB352H1/ CSB351Y1/ CSB353H1/ BCH340H1/ EEB318H1/ EEB323H1/ EEB325H1/ EEB362H1/ EHJ352H1/ MGY377H1/ MGY378H1

Year 4: Advanced topics in genetics with emphasis on primary research and critical analysis:

10. 0.5 FCE from courses with advanced topics in applied genetics: HMB401H1/ HMB431H1/ HMB435H1/ HMB436H1/ HMB437H1/ HMB441H1/ HMB489H1/ BCH441H1/ BCH447H1/ CSB458H1/ CSB459H1/ CSB472H1/ CSB474H1/ EEB459H1/ EEB460H1/ NFS487H1/ PSL404H1

11. 0.5 FCE from courses with advanced topics in fundamental genetics: HMB421H1/ BCH425H1/ BCH426H1/ BCH440H1/ BCH445H1/ CSB428H1/ CSB429H1

*n.b. At least 0.5 FCE must be at the 400-level; students are not permitted to be enrolled in more than one Human Biology major program*

## HMB: Global Health

The objective of the HMB: Global Health program is to provide students with instruction in fundamental biological sciences and to integrate a broad understanding of the socio-economic and cultural determinants of health to populations around the world.

### Global Health Specialist (Science Program)

This is a Type 3 limited enrolment program. Meeting the following minimum criteria does not guarantee admissions to the program.

- BIO120H1 with a minimum mark of 60%
- BIO130H1 with a minimum mark of 60%
- CHM136H1 and CHM135H1 or CHM138H1 and CHM139H1 or CHM151Y1 with a minimum mark of 60%
- MAT135H1 or PHY131H1 or PHY151H1 with a minimum mark of 60%

**and**, a composite average of at least 70% on the above 2.5 FCE.

Students may apply for this specialist program only during Round 1 of Type 3 Enrolment. Students applying for admissions to the program utilising transfer credits or later than the end of their first year will be considered on a case-by-case basis. For more information about Type 3 enrolment, visit the Faculty of Arts & Science Subject Program Enrolment Instructions website.

### Required courses (15.5 FCE)

Prior to entering POST:

1. BIO120H1, BIO130H1

# Human Biology

2. (CHM136H1, CHM135H1)/ (CHM138H1, CHM139H1)/CHM151Y1  
(*transfer credits will be accepted in lieu of the chemistry requirements only if they carry a direct exclusion to a pre-approved chemistry course*)  
3. (MAT135, MAT136) / (PHY131H1, PHY132H1)/ (PHY151H1, PHY152H1)

Year 2: Foundations in global health

4. HMB203H1  
5. BIO220H1, BIO230H1/BIO255H1  
6. Statistics: STA220H1/PSY201H1/HMB325H1  
7. 0.5 from Bio-Social Courses: ANT100Y1/ GGR100H1/ GGR107H1/  
GGR124H1/ PHL100Y1/ PSY100H1/ SOC101Y1/ SOC102H1/  
SOC103H1/ TRN150Y1/ TRN151Y1/ VIC170Y1/ VIC171Y1/ NEW150Y1/  
POL101Y1/ WGS160Y1

8. 1.0 FCE from Environment or Resource Management courses:  
JGE236H1/ FOR201H1/ GGR201H1/ GGR203H1/ GGR206H1/  
ENV221H1/ ENV222H1

9. 1.0 FCE from Social, Cultural or Political Science courses:  
ANT204H1/ANT208H1/GGR216H1/  
GGR220H1/HST209H1/JGI216H1/JSU237H1/NEW250Y1/PHL273H1/P  
HL275H1/PHL281H1/ POL201Y1/ POL208Y1/ PSY220H1/SOC205H1/  
SOC210H1/ SOC214H1/ SOC243H1/ SOC244H1/ SOC246H1/  
SOC256H1/ SOC281H1/ WGS271Y1

Year 3: Selected Topics in global health

10. HMB303H1  
11. 1.0 FCE from Biological Sciences: HMB265H1/ HMB342H1/  
HMB390H1/ANT203Y1/ BCH210H1 /  
BIO251H1/(BIO270H1+BIO271H1)/ EEB225H1/ EEB263Y1/ ENV234H1/  
JGE236H1/ (PSL300H1+PSL301H1)/ STA221H1

12. 0.5 FCE from a higher year lab course: HMB312H1/ BCH370H1/  
CSB330H1/ CSB350H1/ MGY379Y1/ PSL372H1

13. 1.5 FCE from Basic Medical Sciences:CSB351Y1/ LMP363H1/  
MGY377H1/ MGY378H1/ NFS284H1

14. 0.5 FCE from Ecology/Evolution: EHJ352H1/ EEB319H1/  
EEB322H1/EEB323H1/ EEB324H1/ EEB328H1/ EEB362H1/ EEB365H1/  
BCH311H1/ CSB349H1/ PSL350H1

15. 1.0 FCE from Environmental Issues: GGR305H1/ GGR307H1/  
GGR314H1/ JGE321H1/ ENV322H1/ FOR302H1/ FOR303H1

Year 4: Advanced topics in global health with emphasis on primary  
research and critical analysis

16. 1.0 FCE from 400-level Soc/Hum/Proj series: HMB420H1/  
HMB433H1/ HMB462H1/ HMB498Y1/HMB499Y1/ANT427H1  
/ANT440H1/ ANT450H1/ ANT452H1/ ANT460H1/  
GGR418H1/GGR419H1/GGR438H1/GGR439H1/HST411H1/HST440H1/  
HST446H1/ JFG475H1/ NEW452H1/POL412Y1/ POL413H1/POL417Y1/  
PHL415H1/ PHL440H1/ PHL470H1/  
PHL482H1/TRN411Y1/TRN419Y1/TRN421Y1/WGS426H1

17. 1.0 FCE from Social Perspective: HMB323H1/ ANT345H1/  
ANT346H1/ ANT348H1/ ANT374H1/ENV333H1/  
ENV350H1/GGR329H1/GGR334H1/GGR338H1/ ENV320H1/  
ENV333H1/ ENV341H1/ HST310H1/ JNH350H1/ PHL373H1/PHL380H1/  
PHL381H1/ PHL382H1/ PHL383H1/ PHL384H1/ POL301Y1/POL343Y1/  
POL380H1/ POL380Y1/ PSY333H1/SOC312H1/ SOC364H1/  
SOC381Y1/ WGS365H1/WGS367H1/WGS386H1

18. 1.0 FCE from 400-level Sci/Env/Eco series: HMB433H1/ HMB434H1/  
HMB443H1/ HMB473H1/ HAJ453H1/  
CSB452H1/CSB458H1/EEB428H1/EEB440H1/ EEB459H1/  
EEB465H1/LMP402H1/LMP403H1/LMP406H1/LMP436H1/ MGY434H1/  
MGY440H1/ MIJ485H1/ NFS485H1/NFS486H1/NFS487H1/ NFS490H1/  
PSL420H1/ PSL421H1/ PSL470H1/ PSL472H1/ JEH455H1

*n.b. At least 1.0 FCE must be at the 400-level*

## Global Health Major (Science Program)

This is a Type 1 open enrolment program. Students are permitted to enrol in the major during the program enrolment cycle as soon as they have earned 4.0 FCE. It is recommended students complete their first year life science requirements before entering the major program.

### Required Courses (8.0 FCE)

First Year Life Science

1. BIO120H1, BIO130H1  
2. (CHM135H1, CHM136H1)/ (CHM138H1, CHM139H1)/CHM151Y1  
(*transfer credits will be accepted in lieu of the chemistry requirements only if they carry a direct exclusion to a pre-approved chemistry course*)  
3. MAT135H1/ MAT136H1/ PHY131H1/ PSY100H1 (*transfer credits from AP and IB Psychology are not accepted*)

Year 2: Foundations in global health

4. HMB203H1  
5. BCH210H1/CHM247H1  
6. BIO230H1/ BIO255H1, BIO220H1  
7. HMB265H1/ BIO260H1

Year 3: Selected topics in global health

8. HMB303H1/ HMB323H1  
9. (PSL300H1, PSL301H1)/ (BIO270H1, BIO271H1)

10. 1.0 FCE from global health relevant courses: HMB303H1/  
HMB304H1/ HMB305H1/ HMB312H1/ HMB314H1/ HMB323H1/  
HMB325H1/ HMB342H1/ HMB390H1/HMB436H1/ HMB440H1/  
HMB462H1/ ANA300Y1/ ANA301H1/ BCH311H1/ CSB349H1/  
PSL350H1/ BCH370H1/ CSB325H1/ CSB327H1/  
CSB328H1/CSB330H1/  
CSB331H1/CSB346H1/CSB351Y1/CSB431H1/CSB483H1/EEB318H1/E  
EB319H1/ EEB321H1/EEB328H1/EEB362H1/EEB375H1/EEB428H1/  
EEB460H1/HST440H1/ HST464H1/ LMP301H1/LMP363H1/  
LMP406H1/MGY350H1/MGY377H1/MGY378H1/NFS382H1/NFS386H1/  
NFS487H1/PCL389H1/ PHC320H1/ PSL372H1/ PSL420H1/  
PSL421H1/PSY321H1

Year 4: Advanced topics in global health with emphasis on primary  
research and critical analysis

11. HMB433H1/ HMB434H1/HMB437H1/ HMB443H1/ HMB473H1/  
HMB499Y1/ HAJ453H1

*n.b. At least 0.5 FCE must be at the 400-level; students are not permitted to be enrolled in more than one Human Biology major program*

## HMB: Health & Disease

The objective of the HMB: Health & Disease program is to provide students with a solid foundation in the biological sciences as it relates to basic human physiology and the mechanisms of disease and to facilitate the integration of concepts from across the life sciences, social sciences and humanities. In addition, students will acquire skills in laboratory science, experience with quantitative approaches, and develop effective communication skills to provide an appropriate background essential to research and problem solving in this field.

### Health & Disease Specialist (Science Program)

This is a Type 3 limited enrolment program. Meeting the following minimum criteria does not guarantee admissions to the specialist program:

- BIO120H1 with a minimum mark of 60%
- BIO130H1 with a minimum mark of 60%
- CHM135H1 and CHM136H1 *or* CHM138H1 and CHM139H1 *or* CHM151Y1 with a minimum mark of 60%
- MAT135H1 *or* PHY131H1 *or* PHY151H1 with a minimum mark of 60%

**and**, a composite average of at least 70% on the above 2.5 FCE.

Students may apply for this program only during Round 1 of Type 3 Enrolment. Students applying for admissions to the program utilising transfer credits or later than the end of their first year will be considered on a case-by-case basis. For more information about Type 3 enrolment, visit the Faculty of Arts & Science Program Enrolment Instructions website.

### Required Courses (13.5 FCE)

Prior to entering POST:

1. BIO120H1, BIO130H1
2. (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1 (*transfer credits will be accepted in lieu of the chemistry requirements only if they carry a direct exclusion to a pre-approved chemistry course*)
3. MAT135H1/ PHY131H1/ PHY151H1

Year 2: Foundations in health and disease

4. HMB202H1
5. (BIO230H1/ BIO255H1), BIO220H1
6. HMB265H1/BIO260H1
7. BCH210H1
8. statistics: STA220H1/ PSY201H1/ HMB325H1
9. bioethics: PHL281H1/HMB306H1

Year 3: Selected Topics in health and disease with greater depth and self-directed learning

10. HMB302H1
11. 1.0 FCE from depth courses on the molecular biology of cells and tissues: CSB327H1/ CSB328H1/ CSB331H1/ BCH311H1/ CSB349H1/ PSL350H1
12. PSL300H1, PSL301H1
13. 1.0 FCE from further courses that focus on the structure and function

of the human body: ANA300Y1 / IMM340H1 / IMM350H1/ MGY377H1/ MGY378H1/ CSB351Y1

14. 0.5 FCE from courses that will enable the development of skills in laboratory science: HMB312H1/ CSB330H1/ PSL372H1/ BCH370H1

Year 4: Advanced topics in health and disease with emphasis on primary research and critical analysis

15. 0.5 FCE from depth courses in health and disease: HMB321H1/ HMB322H1/ HMB323H1/ HMB342H1/ HMB360H1/ ANA300Y1/ ANA301H1/ BIO270H1/ BIO271H1/ BCH311H1/ BCH340H1/ CJH332H1 / CSB325H1/ CSB327H1/ CSB328H1/ CSB343H1/ CSB345H1/ CSB346H1/ EEB318H1/ EEB319H1/ EEB323H1/ EEB325H1/ EEB362H1/ EEB375H1/EHJ352H1/ LMP301H1/ LMP363H1/ NFS284H1/ NFS382H1/ NFS386H1/ PCL201H1/ PCL302H1/ PCL362H1/PSL304H1/ PSL305H1/ PSY342H1/ PSY371H1/ PSY372H1/ PSY397H1

16. 1.0 FCE from courses that focus on the social, economic and political perspectives of health and disease: HMB303H1/ HMB306H1/ HMB325H1/ ANT208H1/ HST209H1/ HST211H1/ HST408H1/ HST440H1/ JSU237H1/ JNH350H1/ NEW335H1/ NFS284H1/ PHL281H1/ PSY201H1/ SOC243H1/ SOC244H1/ SOC246H1/SOC309Y1/ SOC363H1/STA220H1/ UNI103Y1/ WGS367H1

17. 1.0 FCE from courses with advanced, research-driven, and translational and critical analysis:

HAI453H1/HMB401H1/ HMB402H1/ HMB406H1/ HMB422H1/ HMB432H1 / HMB434H1/ HMB435H1/ HMB436H1/ HMB437H1/ HMB440H1/ HMB441H1/ HMB443H1/ HMB452H1/ HMB462H1/ HMB470H1/ HMB471H1/ HMB472H1/ HMB473H1/ HMB489H1/ JEH455H1/ BCH425H1/ BCH426H1/ BCH441H1/ BCH445H1/ CSB429H1/ CSB443H1/ CSB458H1/ CSB472H1/ EEB428H1/ EEB445H1/ EEB460H1/ IMM428H1/ IMM429H1/ IMM430H1/ IMM435H1/ LMP402H1/ LMP403H1 /LMP406H1/ LMP410H1/ LMP415H1/ MIJ485H1/ MGY420H1/ MGY428H1/ MGY470H1/ NFS400H1/ NFS484H1/ NFS485H1/ NFS486H1/ NFS487H1/ NFS488H1 /NFS489H1/ NFS490H1/ PCL473Y1/ PSL404H1/ PSL420H1/ JEL421H1/ PSL425H1/ PSL462H1/ PSL470H1/ PSL472H1/ PSY440H1/ PSY460H1/ PSY470H1/ PSY471H1/PSY494H1

18. HMB499Y1

*n.b. At least 1.0 FCE must be at the 400-level*

### Health & Disease Major (Science Program)

This is a Type 1 open enrolment program. Students are permitted to enrol in the major during the program enrolment cycle as soon as they have earned 4.0 FCE. It is recommended students complete their first year life science requirements before entering the major.

### Required Courses (8.0 FCE)

First-Year Life Sciences

1. BIO120H1, BIO130H1
2. (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1 (*transfer credits will be accepted in lieu of the chemistry requirements only if they carry a direct exclusion to a pre-approved chemistry course*)
3. MAT135H1/ PHY131H1/ PHY151H1

Year 2: Foundations in health and disease

# Human Biology

- HMB202H1
- BIO230H1/ BIO255H1, BIO220H1
- HMB265H1/BIO260H1
- BCH210H1

Year 3: Selected topics in health and disease with greater depth and self-directed learning

- PSL300H1, PSL301H1

- HMB302H1

10. 0.5 FCE from courses that focus on the social, economic, political and/or biological perspectives of health and disease: HMB303H1/ HMB306H1/ HMB325H1/ANT208H1/ CSB351Y1/ IMM340H1/ IMM350H1/HST209H1/ HST211H1/ HST408H1/ HST440H1/ JSU237H1/ JNH350H1/ SOC309Y1/ SOC363H1/STA220H1/ PSY201H1/UNI103Y1/ WGS367H

Year 4: Advanced topics in health and disease that emphasize primary research and critical analysis

11. 0.5 FCE from depth courses in health and disease: HMB312H1/HMB314H1/HMB322H1/ HMB323H1/ HMB342H1/ HMB360H1/ ANA300Y1/ ANA301H1/ BIO270H1/ BIO271H1/ BCH311H1/ BCH340H1/ CJH332H1 / CSB325H1/ CSB327H1/ CSB328H1/ CSB343H1/ CSB345H1/ CSB346H1/ EEB318H1/ EEB319H1/ EEB323H1/ EEB325H1/ EEB362H1/ EEB375H1/EHJ352H1/ LMP301H1/ LMP363H1/ NFS284H1/ NFS382H1/ NFS386H1/ PCL201H1/ PCL302H1/ PCL362H1/PSL304H1/ PSL305H1/ PSY342H1/ PSY371H1/ PSY372H1/ PSY397H1

12. 0.5 FCE from courses with advanced, research-driven, and translational and critical analysis: HAJ453H1/ HMB401H1/ HMB402H1/ HMB406H1/ HMB422H1/ HMB432H1 / HMB434H1/ HMB435H1/ HMB436H1/ HMB437H1/ HMB440H1/ HMB441H1/ HMB443H1/ HMB452H1/ HMB462H1/ HMB470H1/ HMB471H1/HMB472H1/ HMB473H1/ HMB489H1/ JEH455H1/ BCH425H1/ BCH426H1/ BCH441H1/ BCH445H1/ CSB429H1/ CSB443H1/ CSB458H1/ CSB472H1/ EEB428H1/ EEB445H1/ EEB460H1/ IMM428H1/ IMM429H1/ IMM430H1/ IMM435H1/ LMP402H1/ LMP403H1 /LMP406H1/ LMP410H1/ LMP415H1/ MIJ485H1/ MGY420H1/ MGY428H1/ MGY470H1/ NFS400H1/ NFS484H1/ NFS485H1/ NFS486H1/ NFS487H1/ NFS488H1 /NFS489H1/ NFS490H1/ PCL473Y1/ PSL404H1/ PSL420H1/ PSL421H1/ PSL425H1/ PSL462H1/ PSL470H1/ PSL472H1/ PSY440H1/ PSY460H1/ PSY470H1/ PSY471H1/PSY494H1

*n.b. At least 0.5 FCE must be at the 400-level; students are not permitted to be enrolled in more than one Human Biology major program*

## HMB: Neuroscience

Neuroscience is an interdisciplinary field aimed at understanding the brain and nervous system utilizing integration of research at the molecular, cellular, and organismal levels, and through all stages of human development. The application of neuroscience has important implications for understanding human behaviour and for promoting the development of effective strategies for diagnosing and treating nervous system disorders. The objective of the HMB: Neuroscience specialist and major programs is to provide students with a solid foundation and facilitates the integration of concepts from multiple fields to their understanding of neuroscience.

## Neuroscience Specialist (Science Program)

This is a Type 3 limited enrolment program. Meeting the following minimum criteria does not guarantee admissions to the specialist program:

- BIO120H1 with a minimum mark of 60%
- BIO130H1 with a minimum mark of 60%
- CHM135H1 and CHM136H1 or CHM138H1 and CHM139H1 or CHM151Y1 with a minimum mark of 60%
- MAT135H1 or PHY131H1 or PHY151H1 with a minimum mark of 60%

**and**, a composite average of at least 70% on the above 2.5 FCE.

Students may apply for this program only during Round 1 of Type 3 Enrolment. Students applying for admissions to the program utilising transfer credits or later than the end of their first year will be considered on a case-by-case basis. For more information about Type 3 enrolment, visit the Faculty of Arts & Science Program Enrolment Instructions website.

## Required Courses (13.5 FCE)

Prior to entering the specialist program:

- BIO120H1, BIO130H1
- (CHM135H1, CHM136H1), (CHM138H1, CHM139H1)/CHM151Y1 (*transfer credits will be accepted in lieu of the chemistry requirements only if they carry a direct exclusion to a pre-approved chemistry course*)
- MAT135H1/ PHY131H1/ PHY151H1
- PSY100H1 (*transfer credits from AP and IB Psychology are not accepted*)

Year 2: Foundations in neuroscience

- HMB200H1
- BIO230H1/BIO255H1
- HMB265H1/BIO260H1
- PSL300H1
- BCH210H1
- Statistics: STA220H1/ PSY201H1/ HMB325H1
- Bioethics: PHL281H1/ HMB306H1
- 0.5 FCE from introductory courses in the field of systems neuroscience: LIN200H1/ PSY260H1/ PSY270H1/ PSY280H1

Year 3: Selected topics in neuroscience with greater depth and self-directed learning

- HMB300H1
- HMB320H1
- CJH332H1 (formerly CSB332H1)
- 0.5 FCE in additional courses emphasizing the molecular and cellular basis of brain structure and function: BCH311H1/ CSB349H1/ PSL350H1

17. 0.5 FCE from courses that will enable the development of skills in laboratory science: HMB310H1/ CSB330H1/ CSB350H1/ BCH370H1/ PSL372H1

18. 1.5 FCE from depth courses in molecular, cellular and systems neuroscience: HMB360H1/ CSB325H1/ CSB328H1 / CSB345H1/ CSB346H1/ EEB322H1/ JLP315H1/ JLP374H1/ PCL201H1/ PCL302H1/ PSL301H1/ PSL304H1/PSL305H1/ PSL374H1/ PSY342H1/ PSY371H1/ PSY372H1/ PSY390H1/ PSY396H1/PSY397H1

Year 4: Advanced topics in neuroscience that emphasize primary research and critical analysis

19. 1.5 FCE from courses with advanced fundamental and translational topics in neuroscience:  
 HMB406H1/ HMB420H1/ HMB430H1/ HMB440H1/HMB450H1/  
 HMB471H1/ HMB473H1/ CSB430H1/ CSB432H1/ CSB443H1/  
 CSB445H1/ EEB445H1/ JLS474H1/ JLP471H1/ NEW335H1/  
 NFS489H1/ LMP410H1/ PCL475Y1/ PSL432H1/ PSL440Y1/ PSL444Y1/  
 PSL450H1/ PSL452H1/ PSL472H1/ PSY460H1/ PSY470H1/ PSY471H1/  
 PSY473H1/ PSY475H1/ PSY480H1/ PSY490H1/ PSY492H1/  
 PSY493H1/ PSY494H1/ PSY497H1

20. HMB499Y1

*n.b. At least 1.0 FCE must be at the 400-level*

## Neuroscience Major (Science Program)

This is a Type 1 open enrolment program. Students are permitted to enrol in the major during the POST enrolment cycle as soon as they have earned 4.0 FCE. It is recommended students complete their first year life science requirements before entering the major.

### Required Courses (8.0 FCE)

First Year Life Science

- BIO120H1, BIO130H1
- (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1  
(*transfer credits will be accepted in lieu of the chemistry requirements only if they carry a direct exclusion to a pre-approved chemistry course*)
- MAT135H1/ PHY131H1/ PHY151H1
- PSY100H1 (*transfer credits AP and IB Psychology are not accepted*)

Year 2: Foundations in neuroscience

- HMB200H1
- BIO230H1/BIO255H1
- PSL300H1
- HMB265H1/BIO260H1
- Statistics: STA220H1/PSY201H1/HMB325H1

Year 3: Selected topics in neuroscience with greater depth and self-directed learning

- HMB300H1/ HMB310H1/ HMB320H1
- CJH332H1 (formerly CSB332H1)
- BCH210H1

13. 0.5 FCE from depth courses in molecular, cellular and systems neuroscience: HMB360H1/ CSB325H1/ CSB328H1 / CSB345H1/  
 CSB346H1/ EEB322H1/ JLP315H1/ JLP374H1/ PCL201H1/ PCL302H1/  
 PSL301H1/ PSL304H1/PSL305H1/ PSL374H1/ PSY342H1/ PSY371H1/  
 PSY372H1/ PSY390H1/ PSY396H1/ PSY397H1

Year 4: Advanced topics in neuroscience that emphasize primary research and critical analysis

14. 0.5 FCE from courses with advanced fundamental and translational topics in neuroscience: HMB406H1/ HMB420H1/ HMB430H1/  
 HMB440H1/HMB450H1/ HMB471H1/ HMB473H1/ CSB430H1/  
 CSB432H1/ CSB443H1/ CSB445H1/ EEB445H1/ JLS474H1/ JLP471H1/  
 NEW335H1/ NFS489H1/ LMP410H1/ PCL475Y1/ PSL432H1/  
 PSL440Y1/ PSL444Y1/ PSL450H1/ PSL452H1/ PSL472H1/ PSY460H1/  
 PSY470H1/ PSY471H1/ PSY473H1/ PSY475H1/ PSY480H1/

PSY490H1/ PSY492H1/PSY493H1/ PSY494H1/ PSY497H1

*n.b. At least 0.5 FCE must be at the 400-level; students are not permitted to be enrolled in more than one Human Biology major program*

## HMB: Human Biology

Human Biology is a transdisciplinary field concerned with the study of human health from a biological, sociological, and evolutionary perspective. Research in human biology focuses on impact that genetic variations, development, physical fitness, and nutrition have on the general health of populations and how this compares across cultures and through history. The objective of the HMB: Human Biology major program is to provide students with a solid foundation in the life sciences as it relates to human biology and to facilitate the integration of concepts from across the social sciences and humanities, and to equip them with quantitative skills essential to research and success in this field.

### Human Biology Major (Science Program)

This is a Type 1 open enrolment program. Students are permitted to enrol in the major during the program enrolment cycle as soon as they have earned 4.0 FCE. It is recommended students complete their first year life science requirements before entering the major.

### Required Courses (8.0 FCE)

First-Year Life Sciences

- BIO120H1, BIO130H1
- (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1  
(*transfer credits will be accepted in lieu of the chemistry requirements only if they carry a direct exclusion to a pre-approved chemistry course*)
- MAT135H1/ PHY131H1/ PHY151H1

Year 2: Foundations in human biology

- HMB204H1
- BIO230H1/BIO255H1, BIO220H1
- BCH210H1
- HMB265H1/BIO260H1

Year 3: Selected topics in human biology with greater depth and self-directed learning

8. 1.5 FCE from courses that focus on the structure and function of the human body: HMB302H1/ ANA300Y1/ IMM340H1/ IMM350H1/  
 MGY377H1/ MGY378H1/ CSB351Y1/ PSL300H1/ PSL301H1

9. 0.5 FCE from courses that focus on the social, economic and political perspectives of human biology: HMB303H1/ HMB306H1/HMB325H1/  
 ANT208H1 HST209H1/ HST211H1/HST440H1/ JSU237H1/ JNH350H1/  
 NEW335H1/ NFS284H1/ PHL281H1/ PSY201H1/ SOC243H1/  
 SOC244H1/ SOC246H1/ SOC309Y1/ SOC363H1/STA220H1/ UNI103Y1

Year 4: Advanced topics in human biology that emphasize primary research and critical analysis

10. 0.5 FCE from depth courses related to human biology: HMB314H1/  
 HMB322H1 HMB323H1/ HMB325H1/ HMB342H1/ ANA301H1/  
 BIO270H1/ BCH311H1/ BCH340H1/ BIO271H1/ CSB325H1/  
 CSB345H1/ CSB346H1/ EEB255H1/ EEB318H1/ EEB319H1/  
 EEB323H1 / EEB324H1/ EEB325H1 / EEB365H1/ EEB375H1/  
 EHJ352H1/ IMM350H1/ LMP363H1 / NFS284H1/ NFS382H1

# Human Biology

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/PCL362H1 / PSY371H1/ PSY372H1

11. 0.5 FCE from courses with advanced, research-driven, and translational topics in health and disease: HMB402H1 / HMB406H1 / HMB422H1 / HMB432H1 / HMB434H1 / HMB436H1 / HMB437H1 / HMB440H1 / HMB441H1 / HMB443H1 / HMB452H1 / HMB462H1 / HMB470H1 / HMB471H1 / HMB472H1 / HMB473H1 / JEH455H1 / BCH422H1 / BCH426H1 / BCH440H1 / CSB443H1 / EEB428H1 / EEB445H1 / EEB465H1 / IMM430H1 / LMP402H1 / LMP403H1 / BCH441H1/ BCH445H1 / BCH447H1 / LMP406H1 / MIJ485H1 /MGY470H1 / NFS400H1 / NFS484H1 / NFS485H1 / NFS486H1 / NFS487H1 / NFS488H1 / NFS489H1 / NFS490H1 / PCL473Y1 / PSL420H1/ PSL421H1 / PSY440H1 /PSY460H1 / PSY470H1 / PSY471H1 / PSY494H1

*n.b. At least 0.5 FCE must be at the 400-level; students are not permitted to be enrolled in more than one Human Biology major program*

## Environment & Health Program

Students interested in the Environment & Health specialist and major programs should refer to the program listing(s) under the School of the Environment section of the Faculty of Arts & Science Calendar.

## Human Biology Courses

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### **HMB200H1 Introduction to Neuroscience [24L/12T]**

An introductory course that explores the development, physiology and continually changing function of the nervous system as it relates to certain types of human behaviour. Critical analysis of scientific evidence is used to enrich learning.

Prerequisite: (BIO120H1, BIO130H1), PSY100H1

Exclusion: HMB220H1

Recommended Preparation: PSL300H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### **HMB201H1 Introduction to Fundamental Genetics and its Applications [24L/12T]**

Interdisciplinary course consisting of three parts: the genetic basis, tools and techniques of biotechnology; medical, environmental and agricultural applications; and ethical, legal and social aspects of biotechnology (including approaches to risk assessment, reduction and acceptance). A prime example used in the third part is the controversy over genetically modified foods.

Prerequisite: BIO120H1, BIO130H1

Corequisite: BIO230H1/ BIO255H1

Exclusion: HMB200H1/ HMB220H1/ HMB202H1/ HMB203H1/HMB204H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### **HMB202H1 Introduction to Health and Disease [24L/12P]**

An introductory course in Health and Disease using an interdisciplinary approach that integrates developmental human biology with perspectives from the Social Sciences. An exploration of the key concepts and approaches that are necessary for understanding the dynamic nexus of human health and disease.

Prerequisite: BIO120H1, BIO130H1

Corequisite: BIO230H1/ BIO255H1

Exclusion: HMB200H1/ HMB201H1/ HMB203H1/ HMB204H1/ HMB220H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### **HMB203H1 Introduction to Global Health [24L/12T]**

An introductory course covering the theories, operational components and strategies of implementing primary health care in developing countries. Topics include education, control of vector borne diseases, essential drug provision, maternal and child health and nutrition and incorporation of alternative and complementary technologies, community participation and deployment of health service providers.

Prerequisite: BIO120H1, BIO130H1

Exclusion: HMB200H1/ HMB201H1/ HMB202H1/ HMB203H1/ HMB204H1/ HMB220H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### **HMB204H1 Introduction to Human Biology [24L/12T]**

An introduction to the biological, health, environmental, and sociopolitical issues that influence human health and well-being. Topics include genetic variation within and across human populations, biological variation related to the environment, determinants of health and disease, and human behaviour and development.

Prerequisite: BIO120H1, BIO130H1

Exclusion: HMB200H1/ HMB201H1/ HMB202H1/ HMB203H1/ HMB204H1/ HMB220H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### **HMB265H1 General & Human Genetics [24L/12T]**

An introduction to classical and modern methods of genetic analysis. Topics include Mendelian genetics, the genetics of human population and disease, genomics, and applications of genetics to human society.

*Please note: requests to waive the pre-requisites or co-requisites for this course are **not** granted. Students must either take BIO230H1 or BIO255H1 before enrolling in HMB265H1 or be concurrently enrolled in BIO230H1/BIO255H1 while enrolled in HMB265H1.*

*If you plan on using transfer credits in lieu of the pre/co-requisites, you must email [human.biology@utoronto.ca](mailto:human.biology@utoronto.ca) before enrolling in the course to request that your transfer credits be accepted in lieu of the stated pre-/co- requisites.*

Prerequisite: BIO120H1, BIO130H1

Corequisite: BIO230H1/ BIO255H1

Exclusion: BIO260H1/ BIO207H5

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### **HMB300H1 Neurobiology of Behaviour [24L/12T]**

This intermediate course in neuroscience focuses on higher brain functions and mechanisms underlying human and animal behaviours. Topics may include advanced neurophysiological, neuroanatomical and genetic basis of various cortical functions, including learning and memory, "mirroring," and executive function. Experimental techniques used in neuroscience research such as electrophysiological recordings, brain imaging and neurogenetics are emphasized.

Prerequisite: HMB200H1/HMB220H1/PSY290H1,

HMB265H1/BIO260H1

Corequisite: PSL300H1

Recommended Preparation: PSL300H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## HMB301H1 Biotechnology [24L/12T]

Students gain an appreciation for how science, business, government and society drive the development of biotechnology products. Topics include stem cells and regenerative medicine, diagnostics, cancer therapy, biotechnology in the developing world, antibiotic alternatives, and patents.

Prerequisite: HMB201H1, HMB265H1/BIO260H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## HMB302H1 Vertebrate Histology and Histopathology [24L/36P]

Laboratory and lecture course studying the structure of the cell, various tissues and organ systems. Emphasis is on functional morphology and the adaptive response (including the inflammatory reaction) by comparing histological sections of normal tissues and organs with common diseases including neoplasia, respiratory, and liver disease.

Prerequisite: BIO230H1/ BIO255H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## HMB303H1 Global Health and Human Rights [24L/15S]

A multidisciplinary emphasis on the economic, historical, social and cultural determinants of health and human rights, and how structural violence prevents progress towards human rights. Case studies reflecting global aspects of health and human rights form a framework for approaching these issues.

Prerequisite: 9 FCE complete, a HST200-level course/

HMB202H1/HMB203H1/HMB204H1

Distribution Requirement Status: Social Science or Science

Breadth Requirement: Society and its Institutions (3)

## HMB306H1 Ethical Considerations in Emerging Technology [14L/10S]

Advancing technology increases our ability to intervene in the course of natural events involving human health and well being. Questions arise as whether we ought to and who will benefit or be harmed. This course considers the far-reaching bioethical implications of emerging biotechnology. Topics to be explored include-but are not limited to- ethical considerations in emerging reproductive technologies, genetic alteration/genetic enhancement. Use of life support technologies, synthetic life, life extension.

Prerequisite: BIO220H1, BIO230H1, HMB265H1/BIO260H1

Recommended Preparation: A 200-level ethics course such as:

HPS200H1/ HPS210H1/ HPS211H1/ HPS222H1/ HPS250H1/

PHL275H1/ PHL281H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## HMB310H1 Laboratory in Neuroscience [12L/36P]

A laboratory course based on current research techniques for students in the Neuroscience Specialist and Major programs. Lab topics may include human brain imaging and disorders; animal behaviour, electrophysiology and cell culture; and microarray analysis of neural development. (Lab Materials Fee: \$50)

Prerequisite: 9 FCE complete, HMB200H1/HMB220H1/PSY290H1,

HMB265H1/BIO260H1, BIO230H1/ BIO255H1

Corequisite: PSL300H1

Exclusion: PSY399H1/HMB311H1/HMB312H1/HMB314H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## HMB311H1 Laboratory in Fundamental Genetics and its Applications [12L/36P]

A laboratory course based on current research techniques for students in the Fundamental Genetics and its Applications specialist and major programs. Lab topics may include basic microbiology, molecular biology and animal cell culture techniques, nutrigenomics; and microarray analysis of altered gene expression. (Lab Materials Fee: \$50)

Prerequisite: 9 FCE complete, HMB201H1, HMB265H1/BIO260H1, BIO230H1/ BIO255H1

Exclusion: HMB310H1/HMB312H1/HMB314H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## HMB312H1 Laboratory in Health and Disease [12L/36P]

A laboratory course based on current research techniques for students in the HMB: Health & Disease and HMB: Global Health programs. Lab topics may include basic microbiology, molecular biology and animal cell culture techniques, immunocytochemistry, microarrays, and histological techniques. (Lab Materials Fee: \$50)

Prerequisite: 9 FCE complete, HMB202H1/HMB203H1,

HMB265H1/BIO260H1, BIO230H1/ BIO255H1

Corequisite: PSL301H1

Exclusion: HMB310H1/HMB311H1/HMB314H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## HMB314H1 Laboratory in Human Biology [12L/36P]

Students analyze whole body, cellular, and molecular responses to stress. Techniques range from those standard in medical practice (e.g., blood pressure) to those used in cutting-edge research laboratories (e.g., microarrays). Students gain technical and analytical skills as they use these laboratory techniques to design and carry out individual and group experiments. (Lab Materials Fee: \$25)

Prerequisite: 9 FCE complete, HMB200H1/ HMB220H1/ HMB202H1/

HMB203H1/ HMB204H1, HMB265H1/BIO260H1, BIO230H1/

BIO255H1

Corequisite: PSL300H1

Exclusion: HMB310H1/HMB311H1/HMB312H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## HMB320H1 Neuroanatomy [24L/8T/16P]

This is a rigorous, introductory course that presents the functional and comparative anatomy of the vertebrate brain. It is designed for students who intend to continue with studies in the Neurosciences and related areas.

Prerequisite: 9 FCE complete, PSL300H1,

HMB200H1/HMB220H1/PSY290H1, BIO230H1/ BIO255H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## HMB321H1 Topics in Genetics [24L/12T]

The overall theme of this course is human genetics in disease. Topics include the molecular basis of human disease, using model organisms to identify disease-related genes, and genetic counseling. Expert guest lectures from clinical and basic sciences as well as small group work in tutorials build in-depth understanding.

Prerequisite: 9 FCE completed, HMB201H1/ HMB202H1/ HMB204H1,

HMB265H1/BIO260H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

# Human Biology

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## **HMB322H1 Topics in Health & Disease [24L/12T]**

(This course is not offered for the 2016 - 2017 academic year)

Explore the scientific basis and interdisciplinary healthcare practices of several diseases (diseases vary by year). Discuss current issues related to the biology and the impact of these diseases.

Prerequisite: 9 FCE complete, BIO220H1, BIO230H1/BIO255H1, HMB265H1/BIO260H1

Corequisite: PSL300H1, PSL301H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **HMB323H1 Global Health Research [24L/12T]**

Globalization of health problems impacts biomedical research. Current global health research advances are explored and global health research skills are developed. Both provide background preparation for global health research, particularly in international settings.

Prerequisite: 9 FCE complete, HMB203H1, BIO230H1/ BIO255H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **HMB325H1 Statistics Applied to Human Biology [24L/24T]**

Find out how to use statistics in your research, and critically assess published data using statistical concepts. The examples used in these lectures and small-group sessions are taken solely from human biology studies.

Prerequisite: 0.5 FCE from a first year math or physics course, BIO220H1, BIO230H1/BIO255H1, HMB265H1/BIO260H1

Exclusion: ECO220Y1/ECO227Y1/PSY202H1/SOC300H1/ STA221H1/STA248H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **CJH332H1 Neurobiology of the Synapse (Formerly CSB332H1) [24L]**

Examination of all aspects of the synapse in both the peripheral and central nervous systems of invertebrates and vertebrates. Topics include: synapse formation, synaptic transmission, synaptic plasticity, learning and memory, and neurological disorders.

Prerequisite: BIO271H1/PSL300H1

Exclusion: CSB332H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **HMB342H1 Epidemiology of Health & Disease [24L/24T]**

This course engages students in the fundamental science of epidemiology applied to health and disease. After an introduction to various measures of health and disease, the scientific methods used to investigate, analyze, prevent and control health problems will be illustrated using biomedical and public health examples.

Prerequisite: 9 FCE complete, HMB201H1/HMB202H1/HMB203H1/ HMB204H1

Exclusion: UNI373H1

Recommended Preparation: HMB325H1 or other statistics course

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **JNH350H1 AIDS : Challenges and Successes (formerly NEW350H1) [24L]**

Explores the pandemic of AIDS in Africa through a social science lens. (Given by Human Biology and New College)

Exclusion: NEW350H1

Recommended Preparation: NEW150Y1

Distribution Requirement Status: Humanities or Social Science or Science

Breadth Requirement: Society and its Institutions (3)

## **EJH352H1 Evolution of the Human Genome [24L/12T]**

Human genome diversity and evolution with a focus on current research. The course integrates applications of human evolutionary genomics to the understanding of human history and adaptation, the causes of disease, and genome structure and function. Topics include: comparative genomics, population genomics of adaptation, association mapping, repetitive/selfish DNA, and gene duplication.

Prerequisite: BIO220H1, BIO260H1/HMB265H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **HMB360H1 Neurogenomics [24L/12T]**

Genetic basis of normal and abnormal function of the nervous system. Lecture topics include neural gene expression, regulation of chromatin and neuron function, genome wide association studies and disorders of brain and behaviour, optogenetic and pharmacogenetic techniques to probe neural circuit function. Tutorials emphasize critical analysis of primary research.

Prerequisite: 9 FCE complete, HMB200H1/HMB201H1/ HMB220H1/PSY290H1, HMB265H1/BIO260H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **HMB394Y0 International Research Project in Human Biology [TBA]**

Your individual, independent research project is supervised by a faculty member in an approved university. This unique opportunity to conduct a lab-based research project is open to students in any Human Biology program. Coordinated by Centre for International Experience. Not eligible for CR/NCR option.

Prerequisite: At least 8.5 FCEs including relevant courses in human biology.

Distribution Requirement Status: Science

Breadth Requirement: None

## **HMB395Y1 Human Biology Research Project [TBA]**

A research project is supervised by a faculty member of the Faculty of Arts and Science or the Faculty of Medicine. Not eligible for CR/NCR option. Applications for this course are due to the Human Biology Program Office no later than 15 days prior to the first day of F-term. For more information please check the Human Biology website.

Prerequisite: 9 FCE complete, HMB200H1/HMB201H1/HMB202H1/ HMB203H1/HMB204H1, BCH210H1/CHM247H1,

BIO230H1/BIO255H1, HMB265H1/BIO260H1, cGPA 3.5 or higher, and permission of the Human Biology Program

Exclusion: Students are not permitted to do a HMB research project concurrently with another research project and students are allowed to do no more than 2.0 FCE from HMB-coded research project courses.

Recommended Preparation: 0.5 FCE or more in any statistics course

Distribution Requirement Status: Science

Breadth Requirement: None



## **HMB396Y0 International Research Project in Human Biology [TBA]**

Your individual, independent research project is supervised by a faculty member in an approved university. This unique opportunity to conduct a lab-based research project is open to students in any Human Biology program. Not eligible for CR/NCR option. Coordinated by Woodsworth College.

Prerequisite: An approved 300-series science laboratory course and permission of the Human Biology Program from which application forms may be obtained.

Distribution Requirement Status: Science

Breadth Requirement: None

## **HMB399Y0 Research Excursions [TBA]**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Prerequisite: 9 FCE complete and permission of the Human Biology Program from which application forms may be obtained.

Distribution Requirement Status: Science

Breadth Requirement: None

## **Human Biology 400-Level Courses**

*Due to popularity of HMB400-level courses, the Human Biology Program Office reserves the right to remove any student who has either completed the required number of courses for their HMB program or has completed the program requisite that the HMB400-level course would count towards.*

### **HMB401H1 Patents in Medicine [24L/12T]**

This course introduces life science students to the application of patent law in medicine. Patents covering drugs, medical device implants, diagnostics and medical device software including medical smartphone apps, will be discussed. Key emphasis will also be given to the limitations of patent protection in commercializing medical products.

Prerequisite: 14 FCE completed, HMB301H1/BIO375H5

Recommended Preparation: STA220H1/HMB325H1 or another statistics course.

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### **HMB402H1 Bench-to-bedside: translating lab research into clinical practice [18L/6S]**

The bridge between basic scientific research and clinical practice integrates fundamental knowledge about molecular/cellular mechanisms and clinical disorders to increase the potential for new medical treatments, therapies and interventions as well as understanding of disease processes. Case applications delivered by experts illustrate how promising laboratory discoveries transform medicine and medical science.

Prerequisite: 14 FCE complete, BCH210H1, BIO230H1/BIO255H1, HMB302H1/HMB312H1/HMB314H1/HMB322H1

Recommended Preparation: CSB349H1/ BCH311H1/ PSL350H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### **HMB406H1 Health Care Ethics [8L/16S]**

Since research involving human subjects lays the foundation for innovation in modern health care, this course examines health care ethics along a continuum from bench to bedside. Ethical issues are discussed in the context of specific cases involving human research, as well as contemporary clinical practice.

Prerequisite: 14 FCE complete, A HMB300-level course,

HMB306H1/PHL380H1/PHL381H1/PHL382H1/PHL383H1/PHL384H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### **HMB420H1 Seminar in Neurobiology of Behaviour [12L/12S]**

This seminar course focuses on recent research into the neurobiology underlying human behaviour. A variety of normal and abnormal human behaviours are studied (e.g., voluntary action, moral cognition, hedonism, aggression).

Prerequisite: 14 FCE complete, HMB300H1/HMB310H1/ HMB320H1/ HMB360H1/ CJH332H1 (formerly CSB332H1)

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### **HMB421H1 Seminar in Fundamental Genetics and its Applications [12L/12S]**

Theme based lecture and seminar course underlining current medical research in relation to the areas of genes, genetics and biotechnology. Topics vary yearly.

Prerequisite: 14 FCE complete, HMB301H1/HMB311H1/HMB314H1/ HMB321H1, cGPA 2.5

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### **HMB422H1 Seminar in Health & Disease [16L/8S]**

This course focuses on current medical research related to human disease. Faculty from the Department of Anaesthesia, Faculty of Medicine present their own perioperative research. The potentially profound health effects of anaesthesia, pain management, and the control of the cardiorespiratory system essential for most surgery are also highlighted.

Prerequisite: 14 FCE complete, PSL300H1, PSL301H1, HMB302H1/ HMB312H1/ HMB314H1/ HMB322H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### **HMB430H1 Trends in Neuroscience [18L/6S]**

Current research covering the breadth of neuroscience is showcased by members of the Collaborative Program in Neuroscience. These topical reports cover the spectrum from molecular through genetic, cellular, developmental, systems, behavioural and modelling. As well, approaches to studying neurodegenerative diseases and clinical neurophysiology are introduced.

Prerequisite: 14 FCE complete, HMB300H1/ HMB310H1/ HMB320H1/ HMB360H1/ CJH332H1 (formerly CSB332H1)

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **HMB431H1 Biotechnology: Interface between Science & Industry [16L/8S]**

Students use case studies facilitated by biotechnology experts to explore the integration of biological science with business. The focus is on vision and strategies of newly established ventures as well as existing companies that promote significant achievement in scientific discovery, commercial application, and public awareness.

Prerequisite: 14 FCE complete, a HMB300-level course

Corequisite: HMB325H1/ STA220H1 or another statistics course

Recommended Preparation: HMB301H1

Distribution Requirement Status: Science

Breadth Requirement: Society and its Institutions (3)

## **HMB432H1 Topics in Histology & Histopathology [12L/12S]**

Lecture and seminar course emphasizing current research. Topics may include the digestive system, cardiovascular system, respiratory system, stem cells, and neoplasia. Topics vary depending on class interest.

Prerequisite: 14 FCE complete, HMB302H1/ HMB312H1/ HMB314H1/ HMB322H1, cGPA 2.5

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **HMB433H1 Topics in Global Health [16L/8S]**

Seminar and theme based course examining the opportunity to apply basic knowledge of biological determinants of disease to designing health system interventions and informatics that can have a global impact in the near term.

Prerequisite: 14 FCE complete, HMB303H1/ HMB323H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **HMB434H1 Complementary & Integrative Medicine [20L/4S]**

Introduction to complementary and alternative medical therapies. Topics include, Traditional Chinese Medicine, Naturopathy, Ayurvedic, and Mind-Body Practices. Physiological mechanisms will be emphasized and therapies will be critically analyzed from an evidence-based research perspective. Integrating alternative therapies into Western practices with a focus on personalized medicine will be discussed.

Prerequisite: 14 FCE complete, BCH210H1, BIO230H1, HMB302H1/ HMB303H1/ HMB312H1/ HMB314H1/ HMB322H1/ HMB323H1/ HMB342H1

Recommended Preparation: HMB342H1/ CSB349H1/ PSL350H1/ BCH311H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **HMB435H1 Selected Topics in Molecular Cell Biology [16L/8S]**

Theme-based lecture and seminar course underlining current basic science research in the area of molecular and cell biology as related to human disease. Topics focus on the impact of fundamental processes (e.g., cell migration) on the cellular and molecular aspects of physiology and pathophysiology in a variety of systems (e.g., immune, nervous).

Prerequisite: 14 FCE complete, CSB349H1/PSL350H1/BCH311H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **HMB436H1 Medical and Veterinary Mycology [16L/6P/8S]**

This lecture-based course will familiarize students with fungi of public health importance, particularly those that cause disease in humans and other animals. The course will focus on the clinical presentation, pathophysiology, and treatment of fungal infections, as well as the ecology, physiology and evolutionary biology of the agents responsible. The course will also address other ways in which fungi influence human and animal health.

Prerequisite: 14 FCE complete, HMB265H1/ BIO260H1

Exclusion: BOT405H1

Recommended Preparation: EEB268H1, EEB331H1/CSB353H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **HMB437H1 The Biology of the Human Metallome [24L]**

This course will discuss how heavy metals are integral to organ function through various biological pathways, the importance of metal regulation and control and its relationship with gene transcription. An introduction of metallo-therapeutics will also be featured, ranging from neuro-degenerative therapies to cancer treatment.

Prerequisite: 14 FCE complete, HMB265H1/BIO260H1, BIO230H1/ BIO255H1

Recommended Preparation: BCH210H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **HMB440H1 Dementia [18L/10P/6S]**

This course, featuring a service-learning component, explores dementia. In patients with dementia, intellectual, social and occupational functioning deteriorate. The course addresses the multi-disciplinary aspects of dementia (clinical, genetic, molecular, social) with a focus on the most common cause of dementia, Alzheimer's disease.

*A short application to enrol in this course is required. Information may be found via the Human Biology Program website.*

Prerequisite: 14 FCE complete, PSL300H1, HMB300H1/ HMB301H1/ HMB302H1/ HMB310H1/ HMB311H1/ HMB312H1/ HMB312H1/ HMB312H1/ HMB320H1/ HMB321H1/ HMB322H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **HMB441H1 Genetics of Human Disease [24L]**

Toronto researchers present current insight into the genetics of specific human diseases: single gene (e.g., cystic fibrosis), chromosome (e.g., Down syndrome) and multifactorial inheritance (e.g., heart disease) disorders.

Prerequisite: 14 FCE complete, HMB265H1/BIO260H1, HMB301H1/ HMB302H1/ HMB311H1/ HMB312H1/ HMB314H1/ HMB321H1/ HMB321H1/ HMB322H1

Recommended Preparation: HMB301H1/ HMB321H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **HMB443H1 Global Hidden Hunger [18L/6S]**

(This course is not offered for the 2016 - 2017 academic year)

Vitamin and mineral deficiencies, termed 'hidden hunger,' affect about half the world's population. Explore the global nature, catastrophic consequences, and causes of these deficiencies. Discuss formulation and implementation of international, national, and local policies to alleviate 'hidden hunger' especially in infants and young children. A service-learning opportunity is integrated. Students will be required to contribute to a local community organization while using course knowledge to develop a project or initiative beneficial to the organization

and community.

*a short application to enrol in this course is required. Information may be found via the Human Biology Program website.*

Prerequisite: 14 FCE complete, BIO230H1/BIO255H1, HMB302H1/  
HMB303H1/ HMB312H1/ HMB314H1/ HMB322H1/ HMB323H1/  
CJH332H1 (formerly CSB332H1)/ NFS382H1

Recommended Preparation: PSL301H1, CSB349H1/ PSL350H1/  
BCH311H1

Distribution Requirement Status: Science

Breadth Requirement: Society and its Institutions (3)

## **HMB450H1 Neurodevelopmental Disorders and Diseases [24L/12T]**

Proper development of the human brain is essential for human health. This course will examine how neurodevelopment failures contribute to neurological disorders and diseases, including epilepsy and autism. Current research from basic, translational, and clinical perspectives will be examined using case studies. The impact of neurodevelopmental disorders and diseases on the individual and community will be discussed.

Prerequisite: 14 FCE complete, HMB300H1/HMB310H1/ HMB320H1/  
CJH332H1 (formerly CSB332H1)

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **HMB452H1 Personalized Medicine [12L/12S]**

Clinical medicine is making rapid progress in predicting individual patients' disease risk, prevention, diagnosis and treatment. This new health care delivery requires overcoming major science and policy challenges to pave the way for its navigation by professionals and patients. Focus is on the significance of current breakthrough applications (e.g., nanoscale DNA sequencing).

Prerequisite: 14 FCE complete, HMB302H1/ HMB312H1/ HMB314H1/  
HMB322H1

Distribution Requirement Status: Science

Breadth Requirement: Society and its Institutions (3)

## **HAJ453H1 AIDS: A Global Perspective [6L/18S]**

Seminars explore the global AIDS crisis, adopting the medical-anthropological perspective of Paul Farmer's Infections and Inequalities. Varying epidemiological profiles of AIDS are placed in broader social, cultural, and political-economic frameworks. The impact of globalization and structural inequality on local cultures and lifestyles provides an essential backdrop to the discussions.

Prerequisite: 14 FCE complete, AND either (HMB300H1/ HMB301H1/  
HMB302H1/ HMB303H1/ HMB323H1) OR (ANT203Y1/ANT208H1,  
0.5 FCE from a ANT300+ level course from Group B- Evolutionary)

Distribution Requirement Status: Social Science or Science

Breadth Requirement: Society and its Institutions (3)

## **JEH455H1 Current Issues in Environment and Health [16L/8S]**

This course introduces students to complex issues at the interface between environment and health where health is broadly defined. Each year a current and controversial case study is explored from scientific, medical, political and policy perspectives. The course takes students from the molecular to individual to population and societal levels.

Prerequisite: 14 FCE complete, ENV341H1/ HMB302H1/HMB312H1/  
HMB314H1/ HMB322H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **HMB462H1 Topics in Epidemiology [12L/12S]**

The focus is on the theory and application of biostatistics and epidemiology to current developments in special topics in substantive areas of epidemiology (e.g., chronic disease, environmental & occupational health, infectious disease, methods, social, etc.).

Prerequisite: 14 FCE complete, HMB342H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **HMB470H1 Exercise and Sports Medicine [20L/4S]**

This course introduces biomechanics and builds on knowledge of the biomechanics of injury and dysfunction to develop a systematic understanding of risk, injury prevention, and initial management of injuries in sports and physical activities. Some additional topics include doping in sport, travel issues in competitive sport, and ethical issues in clinical sport medicine.

Prerequisite: 14 FCE complete, PSL300H1, PSL301H1, a HMB300-level course

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **HMB471H1 Performance Enhancement [20L/4S]**

Enhancing performance has broad appeal. This course explores current developments for achieving peak performance academically, physically and emotionally. We focus on the scientific basis of the links between performance and stress, and of the benefits and risks of pharmacological methods to achieve performance enhancement. Various stress management skills are introduced.

Prerequisite: 14 FCE complete, PSL300H1, a HMB 300-level course

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **HMB472H1 Exercise Physiology [20L/4S]**

Examine the physiological and biochemical responses of the human body to both acute and chronic bouts of physical activity. The impact of activity on health, and health on physical activity, is explored by examining adaptations from the cellular to the systemic level of bodily function.

Prerequisite: 14 FCE complete, PSL300H1, PSL301H1, a HMB300-level course

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **HMB473H1 Exercise and Mental Health [18L/10P/6S]**

This course featuring a service-learning component discusses how mental well-being is a critical element of total health. We explore the evidence underpinning the role of physical activity in the avoidance of mental disorders, recovery from mental disorders, and the quality of life of those with or without mental disorders.

*A short application to enrol in this course is required. Information may be found via the Human Biology Program website.*

Prerequisite: 14 FCE complete, PSL300H1, PSL301H1, a HMB300-level course

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

# Human Biology

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## **HMB489H1 Advanced Laboratory in Human Biology [72P]**

Building on their experience in 3rd-year labs, students participate in inquiry-based laboratory experiments in diverse areas of current human biology research. Open to students in any Human Biology program. (Lab Materials Fee: \$50)

Prerequisite: 14 FCE complete, HMB310H1/ HMB311H1/ HMB312H1/ HMB314H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **HMB496Y1 Summer Research Project in Human Biology [TBA]**

An independent summer research project is supervised by a faculty member of the Faculty of Arts and Science or the Faculty of Medicine. Not eligible for CR/NCR option. Applications for this course are due to the Human Biology Program Office no later than 15 days prior to the first day of summer F-term.

Prerequisite: 14 FCE complete, a 300+ level laboratory course, HMB200H1/ HMB201H1/ HMB202H1/ HMB203H1/ HMB204H1, a HMB300-level course, cGPA 2.5 or higher, and permission of the Human Biology Program

Exclusion: Students are not permitted to do a HMB research project concurrently with another research project and students are allowed to do no more than 2.0 FCE from HMB-coded research project courses.

Recommended Preparation: 0.5 FCE or more in any statistics course

Distribution Requirement Status: Science

Breadth Requirement: None

## **HMB499Y1 Project in Human Biology [TBA]**

A research project is supervised by a faculty member of the Faculty of Arts and Science or the Faculty of Medicine. Not eligible for CR/NCR option. Applications for this course are due to the Human Biology Program Office no later than 15 days prior to the first day of F-term. For more information please check the Human Biology website.

Prerequisite: 14 FCE complete, a 300+ level laboratory course, HMB200H1/ HMB201H1/ HMB202H1/ HMB203H1/ HMB204H1, a HMB300-level course, cGPA 2.5 or higher, and permission of the Human Biology Program

Exclusion: Students are not permitted to do a HMB research project concurrently with another research project and students are allowed to do no more than 2.0 FCE from HMB-coded research project courses.

Recommended Preparation: 0.5 FCE or more in any statistics course

Distribution Requirement Status: Science

Breadth Requirement: None

## Introduction

### Given by the Centre for European, Russian, and Eurasian Studies

Hungarian is spoken by ten and a half million inhabitants of present-day Hungary, about three million people in the neighbouring countries, and perhaps as many as an additional two million around the world. These figures make Hungarian, which is related to Finnish, Estonian, and Lappish, but virtually no other language in Europe, by far the largest minority language in the great Indo-European language territory.

Despite the isolation that might have been imposed by the uniqueness of their language, Hungarians have been engaged with, and participants in, greater European affairs since their arrival in the Carpathian basin more than a thousand years ago. Hungarians have made signal contributions in the fields of arts, science, and mathematics, winning Nobel prizes in Chemistry (4), Medicine (3), Physics (3), Economics, and Literature. In the music world the names Bartók, Kodály, Lehár, Liszt, Széll, Ormandy, Schiff, and many others are internationally famous. Leo Szilárd, Edward Teller, Paul Erdős, and John von Neumann are famous figures in theoretical physics and mathematics. Joseph Biró developed the ball-point pen and to this day the British call a ball-point pen, a biro. Hungarians have also become famous in sports, particularly soccer, boxing, and fencing, and in the world of cinema. And who has not played with the Rubik's cube?

Hungarian studies at the University of Toronto focus on the language, literature, cinema and culture of Hungary and on the international role of Hungary and Hungarians - particularly on Hungarian immigration to Canada. For many of the courses no prior knowledge of the Hungarian language is necessary, making them easily accessible also to students in other programs.

Program Coordinator:  
Professor Robert Austin, robert.austin@utoronto.ca, Tel. 416.946.8942

## Hungarian Programs

### Hungarian Studies Major (Arts program)

(6 full courses or their equivalent including two FCEs in Hungarian language study)

First Year:  
HUN100Y1

Higher Years:

1. HUN200Y1, HUN310Y1, HUN320Y1
2. Two courses from: EUR200Y1, HIS241H1, HIS242H1, HIS251Y1, HIS389H1 (Hungarian History), HIS453H1; HUN355H1, HUN345H1, HUN355H1, HUN356H1, HUN440Y1, HUN450H1, HUN455H1; INI381H1

### Hungarian Studies Minor (Arts program)

(4 full courses or their equivalent, including at least one at the 300+ level)

Four courses from: HUN100Y1, HUN200Y1, HUN310Y1, HUN320Y1, HUN335H1, HUN345H1, HUN351H1, HUN440Y1, HUN450H1, HUN455H1; HIS241H1, HIS251Y1, HIS389H1 (Hungarian History), HIS453H1; INI381H1

## Faculty of Arts & Science Language Citation

The Hungarian program participates in the Faculty of Arts and Science's Language Citation initiative. Students may achieve this Citation in Hungarian.

Language study is a demanding and intellectually rewarding educational experience. Our students learn to communicate both orally and in writing in other languages and are thus able to experience other parts of the world in more intimate ways. Their access to other cultures opens doors for further study and employment. Students in our department also have the opportunity to read a vast array of world-renowned authors in the original languages, as well as works –normally not available in English –in other areas of study, for example, cinema studies, drama, folklore, history, intellectual history, philosophy, mathematics, and political science.

The Language Citation recognizes a significant level of achievement in language study. For course selection students should consult the Undergraduate Coordinator as early as possible since not every language course is offered each year. Students who begin language study at the Intermediate level should consult the Undergraduate Coordinator for approval of advanced literature and culture courses that may satisfy the requirements for the Language Citation.

The Language Citation in Hungarian is available to students who complete HUN200Y1 and HUN310Y1 with a grade of at least B-.

Students should note that, as explained on the page 20 of this Calendar, the Language Citation is not equivalent to an academic program and that enrolment in a program is not necessary in order to earn the recognition bestowed by the Citation.

## Hungarian Courses

### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### Note

The Department reserves the right to assign students to courses appropriate to their level of competence in Hungarian.

### HUN100Y1 Elementary Hungarian [120P]

The Department reserves the right to assign students to courses appropriate to their level of competence in Hungarian. The basic features and logic of the language. Development of conversational skills and the reading of easy texts. Open only to students with little or no knowledge of Hungarian.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

# Hungarian

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## **HUN200Y1 Intermediate Hungarian [96P]**

Review of descriptive grammar; studies in syntax; vocabulary building; intensive oral practice; composition; reading and translation.

Prerequisite: Permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **HUN310Y1 Advanced Hungarian [48S]**

A synchronic and diachronic survey of the Hungarian language.

Conceptualized summary of grammar, syntax, and stylistics; studies in the genesis and historical stages of the language. Brief consideration of living dialects, the basics of poetics; selected problems in translation and language teaching. Readings in Hungarian.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **HUN320Y1 A Survey of Hungarian Literature [48S]**

A chronological study of the development of Hungarian literature since the 12th century; emphasis both on outstanding writers and on significant movements or themes. Transformations of ideas and changes in language and style. No knowledge of Hungarian required.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **HUN335H1 Urban vs. Rural: Immigration to and Settlement in North America [12L/12S]**

This course will provide an examination of the history of Hungarian Immigration to and settlement in North America. The course will examine the "push" and "pull" factors, the socio-economic factors involved, their patterns of migration and the organizational development of the communities they founded in North America. The course will compare and contrast the reception the immigrants and later refugees received in the United States and Canada and examine how they adapted to their new homelands.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HUN345H1 The Dynamic of Hungarian Culture, Ethnography, and Folklore [12L/12S]**

Explore the cultural traditions, historical processes, myths, and figures that have shaped and redefined Hungarian civilization and national identity. Theoretical and practical classes on ethno-genesis, anthropology, and folklore. Readings in English (also available in Hungarian).

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **HUN355H1 One Hundred Years of Dramatic Change: History of the Past Century and Reflections of Society in Hungarian Culture [12L/12S]**

Explore Hungary's rapidly changing place in Europe. Focus on political, sociological, and historical understandings of nationalism and identity as they manifest themselves in literature, history, and culture. Knowledge of Hungarian not required.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **HUN455H1 Hungary and Europe: Cultural Adaptation in the Late 20th Century [12L/12S]**

Focus on literature, art, mass media, and popular culture in post-1990 Hungary with special emphasis on the past ties to European culture and the impact of European integration. Readings in English (also available in Hungarian).

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **HUN497Y1 Independent Study (Hungarian) [TBA]**

Translation course concentrating on Hungarian prose translation. Not eligible for CR/NCR option.

Prerequisite: Permission of Department

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **HUN498H1 Independent Study (Hungarian) [TBA]**

Translation course concentrating on Hungarian prose translation. Not eligible for CR/NCR option.

Prerequisite: Permission of Department

Distribution Requirement Status: Humanities

Breadth Requirement: None

## Faculty

### Professors Emeriti

J.B. Hay, M Sc, Ph D  
D. E. Isenman, B Sc, Ph D  
R.H. Painter, B Sc, Ph D  
M.J. Shulman, BA, Ph D

### Professor and Chair of the Department

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S. Epelman, MD, Ph D, FRCPC  
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J. P. Julien, Ph D  
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A. Mortha, Ph D  
C.S. Robbins, Ph D  
B. Treanor, Ph D  
D. Winer, MD

### Lecturers

D.S. Allan, Ph D  
A. Bourdeau, Ph D  
L. Clemenza, B Sc, Ph D  
I. Dimitriou, Ph.D  
N. Lee, Ph D  
W. Tamminen, BSc, PhD

## Introduction

Immunology is an integrative branch of the medical sciences that draws upon the more traditional disciplines of Molecular Biology, Microbiology, Pathology, and Biochemistry. In essence, Immunology is the study of the physiological responses that result when foreign (i.e. non-self) materials are introduced into a vertebrate organism such as humans. Traditionally, the discipline has focussed on the body's response to infectious micro-organisms, with the purpose of developing effective vaccines. However, the scope of modern Immunology now encompasses all aspects of self vs. non-self recognition phenomena including organ transplantation, tumour immunology and autoimmune diseases. Recent major advances in our understanding of the cellular and molecular basis of the immune response promise to provide us with a new generation of prophylactic, therapeutic and diagnostic reagents of relevance to human and animal health.

The Department of Immunology in collaboration with Trinity College co-ordinates specialist, major, and minor programs in Immunology. The emphasis of the specialist program is to provide students with a sound theoretical understanding of the cellular and molecular basis of non-self recognition, together with sufficient laboratory experience to enable the students to consider embarking on a career in the discipline. The major and minor programs offer students fundamental training in immunology and gives the student the opportunity to combine immunology with another program in Life Sciences, Basic Sciences, or within the Arts.

Immunologists may have careers in universities and other centres of learning and research, as well as in the biotechnology industries, diagnostic laboratories and various government agencies. Courses in this specialist program are drawn from offerings by the Department, together with courses from other Departments, taught in some cases by members of the Department of Immunology. As enrolment in the specialist and major programs are restricted, please consult specific requirements outlined in the program description section.

Associate Chair, Undergraduate:  
Dr. A. Martin

# Immunology

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## Enquiries:

Department of Immunology, Room 7205, Medical Sciences Building  
(416-978-0926)

More information is available on our website:

[www.immunology.utoronto.ca](http://www.immunology.utoronto.ca)

## Immunology Programs

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### Immunology Specialist (Science program)

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's marks in the 3.0 required first-year courses:

BIO120H1, BIO130H1, CHM135H1 (formerly CHM139H1); CHM136H1 (formerly CHM138H1)/CHM151Y1, (MAT135H1, MAT136H1)/MAT137Y1 with an average of at least 70% on these 3.0 full-course equivalents (FCEs) and a final mark of at least 65% in each course.

While it is difficult to predict what will be competitive course marks and average in a given year, based on previous years, the estimate is: course marks = high 70s; average = high 70s.

Achieving these estimated marks does not guarantee admission to the program in any given year.

Note: Students must apply to this program on the A&S Current Students Program Enrolment website.

For more information, refer to the Immunology website at [www.immunology.utoronto.ca](http://www.immunology.utoronto.ca).

(13.5 full courses or their equivalents)

#### First Year:

BIO120H1; BIO130H1; CHM135H1 (formerly CHM139H1); CHM136H1 (formerly CHM138H1) / CHM151Y1; (MAT135H1; MAT136H1)/MAT137Y1

#### First Year or upper years:

(PHY131H1; PHY132H1)<sup>1</sup> / (PHY151H1; PHY152H1)<sup>1</sup>

#### Second Year:

1. BCH242Y1 ; BIO230H1 ; BIO260H1 / HMB265H1; CHM220H1; IMM250H1
2. One course from the following list: BIO220H1 / STA220H1 / TRN225Y1/ CHM247H1/ CHM249H1

#### Third Year:

BCH377H1; IMM341H1; IMM351H1 ; MGY311Y1; MGY377H1; MGY378H1

#### Fourth Year:

1. IMM435H1<sup>2</sup>
2. Two courses from the following list: IMM428H1 / IMM429H1 / IMM430H1 / MIJ485H1
3. IMM450Y1 or one full course equivalent at the 400-series in ANA, BCH, IMM, LMP, MGY, CSB.

<sup>1</sup> These courses may be taken in the first year or subsequent years and are not required for entrance into the specialist program.

<sup>2</sup> This course is capped at 40 students. Priority will be given to Immunology Specialist students, followed by Immunology Major students.

### Immunology Major (Science program)

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's marks in the 2.0 required first-year courses:

BIO120H1, BIO130H1, CHM135H1 (formerly CHM139H1); CHM136H1 (formerly CHM138H1)/CHM151Y1 with an average of at least 70% on these 2.0 full-course equivalents (FCEs) and a final mark of at least 60% in each course.

While it is difficult to predict what will be competitive course marks and average in a given year, based on previous years, the estimate is: course marks = high 70s; average = high 70s.

Achieving these estimated marks does not guarantee admission to the program in any given year.

Note: Students must apply to this program on the A&S Current Students Program Enrolment website.

For more information, refer to the Immunology website at [www.immunology.utoronto.ca](http://www.immunology.utoronto.ca).

(8 full courses or their equivalents, including two 400-series courses)

#### First Year:

BIO120H1; BIO130H1; CHM135H1 (formerly CHM139H1); CHM136H1 (formerly CHM138H1)

#### Second Year:

1. BCH210H1; BIO230H1; IMM250H1; BIO260H1/HMB265H1
2. 0.5 full-course equivalent (0.5 FCE) from the following list: BIO220H1/STA220H1/TRN225Y1

#### Third Year:

IMM340H1; IMM350H1; CSB349H1/BCH311H1; One full-course equivalent from the following list: BCH377H1/MGY377H1/MGY378H1/PHL281H1

#### Fourth Year<sup>1</sup>:

One full-course equivalent from the following list: IMM428H1/IMM429H1/IMM430H1/ IMM435H1<sup>3</sup>/MIJ485H1<sup>2</sup>

<sup>1</sup> Students considering graduate school are encouraged to add the additional non-compulsory IMM450Y research course, if space permits.

<sup>2</sup> MIJ485H1 requires MGY377H1 & MGY378H1 as pre-requisites.

<sup>3</sup> This course is capped at 40 students. Priority will be given to Immunology Specialist students, followed by Immunology Major students.

### Immunology Minor (Science program)

For more information, refer to the Immunology website at [www.immunology.utoronto.ca](http://www.immunology.utoronto.ca).

(4 full courses or their equivalents)

#### First Year:

BIO120H1; BIO130H1; CHM135H1 (formerly CHM139H1); CHM136H1 (formerly CHM138H1)/CHM151Y1

#### Second Year:

BIO230H1; IMM250H1

#### Third Year:

IMM340H1; IMM350H1



## Immunology Courses

### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### IMM250H1 The Immune System and Infectious Disease [24L]

Students will be introduced to the basic concepts of immunity to infectious disease and how breakdown of the immune response can lead to auto-immunity. We will trace the history of current ideas in immunology and the immune response by examining how bacteria and viruses cause disease and the initial discoveries that led to such developments as vaccination. Current topical and newsworthy infectious diseases (HIV, tuberculosis, SARS, avian flu) will be used as examples of how the immune system copes with microbial infections.

Recommended Preparation: BIO120H1, BIO130H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### IMM299Y1 Research Opportunity Program [TBA]

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: None

### IMM340H1 Fundamental Immunology [24L]

This course introduces the basic principles and key players of the immune system: differences and interplay between innate and adaptive immunity, how immune cells develop and function, how immune cells recognize threats and danger and mount an appropriate and measured response.

Prerequisite: BIO230H1

Exclusion: IMM334Y1/IMM335Y1/IMM341H1

Recommended Preparation: IMM250H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### IMM341H1 Fundamental Immunology (Advanced) [24L/12T]

This course introduces the fundamental principles and key players of the immune system: differences and interplay between innate and adaptive immunity, how immune cells develop and function, how immune cells recognize threats and danger and mount an appropriate and measured response. Intended for students specializing in Immunology and related programs.

Prerequisite: BIO230H1

Exclusion: IMM334Y1/IMM335Y1/IMM340H1

Recommended Preparation: IMM250H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### IMM350H1 The Immune System in Action [24L]

This course illustrates how different elements of the immune system come together to mount efficient and measured responses. Topics include response to infectious microorganisms, allergy and autoimmunity, immune responses against cancer, and transplantation immunology.

Prerequisite: IMM340H1/IMM341H1

Exclusion: IMM334Y1/IMM335Y1/IMM351H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### IMM351H1 The Immune System in Action (Advanced) [24L/12T]

This course illustrates how different elements of the immune system come together to mount efficient and measured responses. Topics include response to infectious microorganisms, allergy and autoimmunity, immune responses against cancer, and transplantation immunology. Intended for students specializing in Immunology and related programs.

Prerequisite: IMM341H1/IMM340H1

Exclusion: IMM334Y1/IMM335Y1/IMM350H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### IMM428H1 Molecular Immunology [24L]

This course will focus on the molecular and cellular biology of immune recognition. The course will emphasize historical and recent experimental evidence leading to our current understanding of immune recognition. Subtopics are subject to change and have recently included mechanisms of diversification of immunoglobulin receptors, T cell –MHC interactions, T cell activation and signaling mechanisms; receptors of the innate immune system, immune recognition by natural killer cells.

Prerequisite: BCH210H1/BCH242Y1, IMM350H1/IMM351H1 (IMM334Y1/IMM335Y1)

Recommended Preparation: CSB349H1/MGY311Y1/PSL350H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### IMM429H1 Developmental Immunology [24L]

Hematopoiesis, myelopoiesis, lymphopoiesis, a study of the development of cells involved in the immune system including their ontogeny, physical, molecular, and biochemical characteristics, regulation of differentiation and maturation, positive and negative selection of lymphocytes.

Prerequisite: IMM350H1/IMM351H1 (IMM334Y1/IMM335Y1)

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### IMM430H1 Clinical Immunology [24L/24T]

This course will address the underlying pathogenesis as well as highlight the challenges of treating immune-related conditions

such as autoimmunity, cancer, HIV, and transplantation and graft rejection. Half of the lectures will address the genetics and cellular pathogenesis of autoimmune diseases such as multiple sclerosis, type I diabetes and lupus. Other lectures will overview a number of immunological challenges faced in the clinic, such as preventing graft rejection after transplantation or boosting the immune system to fight cancer and HIV.

Prerequisite: IMM350H1/IMM351H1 (IMM334Y1/IMM335Y1)

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

# Immunology

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## **IMM435H1 Practical Immunology [72P]**

Application of basic principles acquired from IMM350H1/IMM351H1 (IMM334Y1/IMM335Y1); immunological procedures performed in research and diagnostic laboratories using molecular and cellular approaches; instruction through lectures, video tapes, and practical exercises in the laboratory.

Prerequisite: BCH210H1/BCH242Y1, IMM350H1/IMM351H1 (IMM334Y1/IMM335Y1)

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **IMM450Y1 Research Project in Immunology [154P]**

An opportunity for specialized research in Immunology under the supervision of a member of the Faculty. There are no pre- or co-requisites, although preference is given to Immunology Specialist and Major students. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **MIJ485H1 Vaccines and Immunity [36L]**

Analysis of the strategies used by pathogenic microbes to evade specific and innate immune responses, and the strategies used to combat infectious disease using vaccines, with an emphasis on molecular and immunological aspects. Special topics include: molecular basis of pathogenicity and immune-evasion strategies; vaccination strategies; challenges to vaccine implementation (given jointly by the Departments of Molecular Genetics and Immunology).

Prerequisite: IMM350H1/IMM351H1 (IMM334Y1/IMM335Y1), MGY377H1, MGY378H1

Exclusion: MBY480H1, MGY485H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## Faculty

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### Professor and Director

M. Cynthia Goh, BS, Ph D (U)

The Impact Centre's goal is for proactive knowledge translation, in which university-based expertise is brought to create value to society. Innovation and entrepreneurship are important aspects in this process, and the Impact Centre is home to a number of training activities for students to gain entrepreneurial skills, which are essential for their own company, or when joining an existing company. At the undergraduate level, this program includes a course, as well as for-credit internship possibilities.

The program is aimed at students from all disciplines. Inventions sometimes come from the science or engineering labs, but getting them out of the lab and available to meeting society's needs requires a very diverse set of skills. This is usually done by multi-disciplinary teams with representatives from the sciences, the social sciences and the humanities. Therefore, the program will emphasise such collaborations between students of diverse backgrounds.

## Impact Centre Courses

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### IMC200H1 Innovation and Entrepreneurship [24L]

How do innovations become useful in society? What is needed for a company to use such innovations successfully? Why and how do individuals and companies commercialize a technology? This course gives an introduction to the skills needed by entrepreneurs in order to start a new venture based on an innovative idea. This course is Pass/Fail. Not eligible for CR/NCR option.

Prerequisite: 4.0 FCEs in any subject

Recommended Preparation: No particular preparation needed. Although the topics relate to science innovations, the course is targeted at students from all disciplines, who are interested in using innovations.

This includes science, social sciences and humanities students, mirroring the roles of these individuals in enterprises. Because this is an introductory course, students who have previously taken business or entrepreneurial courses are strongly discouraged from registering in this course.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### IVP210H1 Holography for 3D Visualization (formerly JOP210H1) [24L/36P]

An introduction to the theory and practice of holography. Human perception & 3D visualization; fundamentals of 3D modeling; ray and wave optics; interference, diffraction, coherence; transmission and reflection holograms; colour perception; stereograms. Applications of holography in art, medicine, and technology. Computer simulation, design, and construction of holograms.

Exclusion: JOP210H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### IMC299Y1 Research Opportunity Program [TBA]

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Social Science or Science

Breadth Requirement: None

### IMC390Y1 Internship in New Ventures [TBA]

This course allows students to earn one course credit by participating in an internship in a start-up company from the University of Toronto, with oversight from the Impact Centre. Students will contribute to the work needed in making an innovation available to the public. This course is Pass/Fail. Not eligible for CR/NCR option.

Prerequisite: IMC200H1 or RSM100Y1 and 8.0 FCEs in any subject

Recommended Preparation: Although the internships often relate to science innovations, they are targeted at students from all disciplines. This includes science and engineering, social sciences and humanities students, mirroring the roles of these individuals in enterprises.

Distribution Requirement Status: Social Science or Science

Breadth Requirement: None

## Faculty

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### Assistant Professor, Teaching Stream

David J. Roberts, Ph D

### Associate Professors, Teaching Stream

S. Brail, Ph D

C. Messenger, MA

R.E. Riendeau, MA

## Introduction

Innis College offers courses (designated INI) that sustain two interdisciplinary academic programs: Urban Studies and Writing and Rhetoric. Innis College is also the home of the Cinema Studies Institute, which offers an impressive collection of courses (designated CIN) listed separately under Cinema Studies Institute. Courses for the new Innis One Program have been inspired by the College's two academic programs and its special relationship with the Cinema Studies Institute.

### Innis One: The Creative City

Innis One encourages first-year students to develop their creative and critical capacities by exploring the dynamism of the urban environment. By reaching beyond the walls of the academy to engage in an imaginative, inquiry-based, and civic-minded learning experience, students will gain a greater appreciation of the interplay between film, writing, and urban landscapes.

Students may enroll in two (1.0 FCE) of the three half-credit courses (INI100H1, INI101H1, and INI102H1) offered in the Program. Limited to an enrolment of 25, these seminar courses, featuring group discussions, films, guest lecturers, and special field trips, offer students a unique experiential learning opportunity that will also help them to develop writing, research, and analytical skills.

All first-year students in the Faculty of Arts and Science (St. George campus) are eligible for admission. Students may apply to all three Innis One courses by ranking their preferences. Online applications and further information are available at [innis.utoronto.ca/academic-programs/one/](http://innis.utoronto.ca/academic-programs/one/).

### Urban Studies

Urban Studies at Innis College provides students with the tools to make sense of their urban world. The Program examines the complex and dynamic relations among institutions, people, and physical form that create, sustain, or destroy cities.

The Program is suited for those students who wish to study cities using several disciplinary approaches. It is also of interest to those students who wish to become involved in urban issues in Toronto. The Program offers an internship in the office of either a municipal politician, non-profit research group, or other government organization as part of its experiential learning program. Because urban issues are so varied, Urban Studies combines well with many other program areas. Students are advised to consult the Program Director when designing programs that meet their particular interests. The Program encourages students to take advantage of the Study Elsewhere Program at the University of Toronto to broaden their knowledge of cities.

Enquiries: Tony Pi, Writing and Rhetoric and Urban Studies Program Assistant, Room 233 Innis College (416-978-5809), [urbanstudies.innis@utoronto.ca](mailto:urbanstudies.innis@utoronto.ca). Also see the Urban Studies website at

[sites.utoronto.ca/innis/urban](http://sites.utoronto.ca/innis/urban).

### Writing and Rhetoric

The Minor Program in Writing and Rhetoric is built on a foundation of Innis College courses that cover academic essay writing, rhetoric, critical thinking, creative writing, media analysis, and writing in the workplace. The Program also draws on relevant University of Toronto courses in a range of disciplines. The Program's design reflects three interrelated themes.

#### Writing:

This discipline involves more than instruction in composition skills. Writing is related to rhetoric, logic, reasoning, and critical thinking. One of the main goals of the Program is to ensure that students graduate with a solid grounding in various modes of writing and with highly developed transferable skills.

#### Rhetoric:

Classical rhetorical terms and methods of argumentation and persuasion are central to the study of rhetoric. One of the oldest disciplines in the liberal arts, rhetoric as a contemporary discipline focuses on the influence of discourse on social forces. For the purposes of this Program, rhetoric will, broadly speaking, be used to signify both rhetoric in the classical sense of the term and the patterns of communication identifiable in a variety of disciplines and environments.

#### Critical Analysis:

One of the tenets of the Program is shared by many of the University's Arts and Science disciplines: that problem-solving and creative, persuasive, and effective writing depend on the ability to analyze discourse critically.

Enquiries: Tony Pi, Writing and Rhetoric and Urban Studies Program Assistant, Room 233 Innis College (416-978-5809), [writingandrhetoric.innis@utoronto.ca](mailto:writingandrhetoric.innis@utoronto.ca). Also see the Writing and Rhetoric website at [sites.utoronto.ca/innis/wr](http://sites.utoronto.ca/innis/wr).

## Innis College Programs

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### Urban Studies Specialist (Arts program)

For Program requirements and information, consult the Urban Studies website at [sites.utoronto.ca/innis/urban](http://sites.utoronto.ca/innis/urban). Note: All Urban Studies programs are limited enrolment programs (see the Arts & Science Program Enrolment instructions at <http://www.artsci.utoronto.ca/current/program> for application procedures).

This is a limited enrolment program. Eligibility will be based on a student's mark(s) in the required course(s). The precise mark thresholds outlined below are an estimate of what will be required in the coming program admission cycle. Achieving those mark(s) does not necessarily guarantee admission to the program in any given year.

Enrolment in the Specialist program requires the following:

- Completion of at least 4.0 FCEs in first year courses;
- Completion of at least 3.0 FCEs from the list of 4.0 FCEs in possible First Year selections below with an average final mark of not less than 72 percent across all three and individual final marks not less than 70 percent.

Students who do not meet this criterion at the completion of year 1 (and hence are unsuccessful in their first application to the USP) may re-apply at the end of year 2 and the admission decision will be based on the

completion of one of the following (in addition to INI235Y1) with a final mark of at least 70 percent in each:

- ECO220Y1 or
- The pairing of GGR270H1 and GGR271H1; or
- POL242Y1; or,
- The pairing of SOC200H1 and SOC202H1

(11.0 Full Course Equivalents (FCEs) including at least 4.0 FCEs at the 300+ level, 1.0 of which must be at the 400-level)

First Year:

Three of the following selections:

- 1.0 FCEs from First year Economics courses (e.g., ECO100Y1, ECO105Y1);
- 1.0 FCEs from First year Human/Urban/Social/Environmental (i.e., Social Science based) Geography courses (e.g., GGR101H1, GGR107H1, GGR112H1, and GGR124H1);
- 1.0 FCEs from First year Political Science courses (e.g., POL101Y1).
- 1.0 FCEs from First year Sociology courses (e.g., SOC101Y1, SOC102H1, SOC103H1).

Higher Years:

- INI235Y1;
- ECO220Y1 or (GGR270H1 and GGR271H1) or POL242Y1 or (SOC200H1 and SOC202H1);
- INI437Y1 and any of the following three pairs of courses - (INI338H1 + INI430H1) or (INI336H1 + INI433H1) or (INI333H1 + INI433H1)
- 4.0 FCEs in at least three of groups A through H, including at least 2.0 FCEs at the 300-level or above.

### Urban Studies Major (Arts program)

This is a limited enrolment program. Eligibility will be based on a student's mark(s) in the required course(s). The precise mark thresholds outlined below are an estimate of what will be required in the coming program admission cycle. Achieving those mark(s) does not necessarily guarantee admission to the program in any given year.

Enrolment in the Major program requires the following:

- Completion of at least 4.0 FCEs in first year courses;
- Completion of at least 2.0 FCEs from the list of 4.0 FCEs in possible First Year selections below with an average final mark of not less than 72 percent across both courses and individual final marks not less than 70 percent.

Students who do not meet this criterion at the completion of year 1 (and hence are unsuccessful in their first application to the USP) may re-apply at the end of year 2 and the admission decision will be based on the completion of one of the following (in addition to INI235Y1) with a final mark of at least 70 percent in each:

- ECO220Y1 or
- The pairing of GGR270H1 and GGR271H1; or
- POL242Y1; or,
- The pairing of SOC200H1 and SOC202H1

(7.0 Full Course Equivalents (FCEs) including at least 2.0 FCEs at the 300+ level, 0.5 of which must be at the 400-level)

First Year:

Two of the following selections:

- 1.0 FCEs from First year Economics courses (e.g., ECO100Y1, ECO105Y1);
- 1.0 FCEs from First year Human/Urban/Social/Environmental (i.e., Social Science based) Geography courses (e.g., GGR101H1, GGR107H1, GGR112H1, and GGR124H1);
- 1.0 FCEs from First year Political Science courses (e.g., POL101Y1).
- 1.0 FCEs from First year Sociology courses (e.g., SOC101Y1, SOC102H1, SOC103H1).

Higher Years

- INI235Y1;
- INI437Y1 or JGI450Y1 or any of the following three pairs of courses - (INI338H1 + INI430H1) or (INI336H1 + INI433H1) or (INI333H1 + INI433H1).
- 3.0 FCEs in at least two of groups A through H, including at least 1.0 FCEs at the 300-level or above.

### Urban Studies Minor (Arts program)

This is a limited enrolment program. Eligibility will be based on a student's mark(s) in the required course(s). The precise mark thresholds outlined below are an estimate of what will be required in the coming program admission cycle. Achieving those mark(s) does not necessarily guarantee admission to the program in any given year.

Enrolment in the Minor program requires the following:

- Completion of at least 4.0 FCEs in first year courses;
- Completion of 1.0 FCE from the list of 4.0 FCEs in possible First Year selections below with a final mark not less than 70 percent.

Students who do not meet this criterion at the completion of year 1 (and hence are unsuccessful in their first application to the USP) may re-apply at the end of year 2 and the admission decision will be based on the completion of INI235Y1 with a final mark of at least 70 percent.

(4.0 full course equivalents, including at least 1.0 FCEs at the 300+ level)

First Year:

One of the following selections:

- 1.0 FCEs from First year Economics courses (e.g., ECO100Y1, ECO105Y1);
- 1.0 FCEs from First year Human/Urban/Social/Environmental (i.e., Social Science based) Geography courses (e.g., GGR101H1, GGR107H1, GGR112H1, and GGR124H1);
- 1.0 FCEs from First year Political Science courses (e.g., POL101Y1).
- 1.0 FCEs from First year Sociology courses (e.g., SOC101Y1, SOC102H1, SOC103H1).

Higher Years

- INI235Y1;
- 2.0 FCEs in at least two of groups A through H, including at least 1.0 FCEs at the 300-level or above.

## Urban Studies Course Groups

### Group A: Fine Art History (FAH)

FAH207H1, FAH215H1, FAH230H1, FAH303H1, FAH354H1, FAH376H1, FAH497H1.

### Group B: Economics

ECO230Y1, ECO310H1, ECO313H1, ECO314H1, ECO321H1, ECO332H1, ECO333H1, ECO336H1, ECO337H1, ECO339H1, ECO340H1, ECO342Y1, ECO364H1, ECO365H1, ECO429H1, ECO433H1, ECO459H1, IRE339H1.

### Group C: Geography

GGR216H1, GGR221H1, GGR246H1, GGR252H1, GGR254H1, GGR320H1, GGR323H1, GGR327H1, GGR328H1, GGR329H1, GGR339H1, GGR352H1, GGR356H1, GGR360H1, GGR361H1, GGR424H1, GGR431H1, GGR438H1, GGR458H1, INI234H1, INI332H1, JGI216H1, JGI346H1, JGI454H1.

### Group D: History

HIS220Y1, HIS241H1, HIS242H1, HIS243H1, HIS244H1, HIS250Y1, HIS251Y1, HIS263Y1, HIS271Y1, HIS280Y1, HIS282Y1, HIS292H1,

HIS294Y1, HIS297Y1, HIS312H1, HIS313H1, HIS314H1, HIS365H1, HIS366H1, HIS369H1, HIS378H1, HIS384H1, HIS484H1, HIS479H1, GGR240H1, GGR241H1, GGR336H1

## Group E: Political Science

POL201Y1, POL316Y1, POL318H1, POL337Y1, POL361H1, POL362H1, POL413H1, POL438H1, POL443H1, POL447H1, POL448H1, POL449H1, JGI450Y1.

## Group F: Sociology

SOC205H1, SOC207H1, SOC214H1, SOC243H1, SOC246H1, SOC250Y1, SOC301Y1, SOC303H1, SOC304H1, SOC309H1, SOC336H1, SOC356H1, SOC363H1, SOC365H1, SOC366H1, SOC367H1, SOC376H1, SOC382H1.

## Group G: Environment

ENV200H1, ENV221H1, ENV222H1, ENV307H1, ENV320H1, ENV335H1, ENV350H1, ENV430H1, GGR223H1, GGR314H1, GGR334H1, GGR347H1, GGR348H1, GGR416H1, GGR419H1, JGE331H1.

## Group H: Anthropology

ANT318H1, ANT347Y1

### Note:

Students may be able to substitute other courses offered by the Faculty of Arts & Science, other Faculties, and/or appropriate courses taken at the University of Toronto Mississauga or the University of Toronto Scarborough for courses listed here. Please consult the Program Director for more details.

## Writing and Rhetoric Minor (Arts program)

For Program requirements and information, see below, and visit the Writing and Rhetoric web site: [sites.utoronto.ca/innis/wr/](http://sites.utoronto.ca/innis/wr/). Also contact Tony Pi, Writing and Rhetoric and Urban Studies Program Assistant, Room 233 Innis College (416-978-5809), [writingandrhetoric.innis@utoronto.ca](mailto:writingandrhetoric.innis@utoronto.ca).

This program does not have specific first-year requirements. See the Arts & Science Program Enrolment web site for application procedures.

### Entrance Requirements:

This program has unlimited enrolment and no specific admission requirements. All students who have completed at least 4.0 courses are eligible to enrol.

Requirements for the Minor program: four full courses or their equivalent, as outlined below, including the equivalent of at least 1.0 FCEs at the 300/400-level. Note: No specialist or major degree is available in this program.

1. 2.5 INI writing courses (note: JEI206H1 counts as an INI course in the Writing and Rhetoric Program)
2. 1.5 other full-course equivalents from groups A, B, or C below. Courses outside these lists may be approved by the Program Director.

### Courses for the Minor:

Note: Enrolment in all INI writing courses (except first-year and fourth-year courses) requires completion of 4 full-course equivalents. Students do not have to be enrolled in the minor to take INI writing courses. Students who are enrolled in the minor have first priority in most INI courses and in JEI206H1.

## Innis Writing Courses

INI103H1, INI104H1, INI203Y1, INI204Y1, INI300H1, INI301H1, INI302H1, INI310H1, INI311Y1, INI404H1, INI409H1, INI410H1, INI415H1, JEI206H1

## A. Critical Analysis and Reasoning

INI204Y1, INI310H1, INI404H1, INI409H1, INI410H1; LIN481H1; PHL247H1, PHL275H1, PSY370H1; TRN190Y1, TRN200Y1

## B. Workplace Writing and Media

HIS316H1; INI104H1, INI300H1, INI301H1, INI302H1; PHL295H1; SMC219Y1, SMC228H1, SMC229H1, SMC291H1, SMC300H1; CDN221H1.

## C. Language and Rhetoric

ANT253H1, ANT329H1, ANT427H1; ENG100H1, ENG110Y1, ENG205H1; ENG285H1; ENG385H1; INI103H1, INI203Y1, INI311Y1, INI415H1; JAL328H1, JAL355H1; JEI206H1; LIN200H1, LIN201H1, LIN203H1, LIN204H1; VIC345H1, VIC350Y1.

Note: No more than 0.5 FCEs in transfer credit may be counted towards the program.

# Innis College Courses

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## First-Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

## Note

Courses are listed in this order:

- Innis One
- Urban Studies
- Writing and Rhetoric
- Other Innis College courses

## Innis One Courses

### INI100H1 The City Where Movies Are Made [36S]

In this course, first-year students will be introduced to film culture in Toronto from a variety of angles, including: a history of the city onscreen (both as itself and as a popular shooting location for American productions); an account of major Toronto filmmaking sites and institutions; introductions to local directors and producers; and overviews of contemporary local film festival culture (TIFF and beyond) as well as the city's film-critical community. Through a combination of lectures, screenings, field trips and special guest speakers, the students will be moved to consider both the vitality of Toronto's film scene as well as its connections to other aspects of the city. Not eligible for CR/NCR option. Prerequisite: Admission to Innis One Exclusion: Munk One, New One, St. Mike's One, Trinity One, Vic One, UC One, Woodsworth One

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**INI101H1 Blogging the Just City [36S]**

An introduction to the concept of the city as a creative environment promoting not only growth and wealth but also social justice, equality, cooperation, and civility. Students will learn to build their own blog to help them to observe, interpret, and reflect upon the process of urban interaction and the relationship between creativity and justice. Not eligible for CR/NCR option.

Prerequisite: Admission to Innis One

Exclusion: Munk One, New One, St. Mike's One, Trinity One, Vic One, UC One, Woodsworth One

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**INI102H1 Telling the Stories of the City: Writing Creative Non-Fiction [36S]**

An introduction to creative writing techniques and the personal essay form through which students will explore and develop their conscious connection to the natural-urban landscape. The course will include activities such as field trips, readings, interviews, and journaling to generate the material for personal essays on engagement with nature in the city. Not eligible for CR/NCR option.

Prerequisite: Admission to Innis One

Exclusion: Munk One, New One, St. Mike's One, Trinity One, Vic One, UC One, Woodsworth One

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**Cinema Studies Courses**

See Cinema Studies Institute.

**Urban Studies Courses**

**INI234H1 Cities in Popular Culture [24L]**

By exploring different popular culture phenomena such as the emergence of hiphop in the Bronx, Batman's Gotham, and Nollywood, this course works to examine the contributions of popular culture in shaping our understandings of cities (as well as providing different perspectives of the city and the urban experience than is generally captured in scholarly/academic literature). Popular culture becomes a vehicle by which we will explore different aspects of urban life and urban representation.

Prerequisite: 4.0 FCEs

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**INI235H1 A Multidisciplinary Introduction to Urban Studies I: Theoretical Foundations of City Building (formerly INI235Y1) [24L]**

Focuses on the theoretical foundations of urbanization, urban change, and city building, with particular attention on global urban growth, history of contemporary urbanization, urban planning, governance, built form, and economic development. These topics are explored through a multidisciplinary lens, with an emphasis on understanding urban transitions over time and their meaning for contemporary urban experience.

Prerequisite: Four courses with at least one of the following:

ECO100Y1/ECO105Y1 or 1.0 FCE from 100-level GGR courses including GGR101H1, GGR107H1, GGR112H1 and GGR124H1, or 1.0 FCE from 100-level POL courses including POL101Y1, or POL214Y1, or 1.0 FCE from 100-level SOC courses including SOC101Y1, SOC102H1, and SOC103H1

Exclusion: INI235Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**INI236H1 A Multidisciplinary Introduction to Urban Studies II: Urban Challenges and Theoretical Application (formerly INI235Y1) [24L]**

Cities are centres of innovation and creative energy, but they also face significant and pressing challenges. This course explores various urban issues including inequality, eroding infrastructure, and concerns arising from globalization, while also examining the ways in which municipal governments and urban citizens are imagining and implementing potential solutions to these challenges.

Prerequisite: INI235H1

Exclusion: INI235Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**JGI216H1 Globalization and Urban Change [24L]**

Focusing on the impacts that global flows of ideas, culture, people, goods, and capital have on cities throughout the globe, this course explores some of the factors that differentiate the experiences of globalization and urban change in cities at different moments in history and in various geographic locations.

Recommended Preparation: GGR124H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**INI332H1 Cities and Mega-events: Opportunities and Challenges [24L]**

Mega-events, like the Olympics, give cities the opportunity to showcase themselves to the world, but the production of television-friendly urban images do much to obscure the processes, compromises and social consequences in host cities. This course will explore the challenges and opportunities that cities and nations face in hosting such events.

Prerequisite: 4.0 FCEs with at least one of the following:

ECO100Y1/ECO105Y1 or 1.0 FCE from 100-level GGR courses including GGR101H1, GGR107H1, GGR112H1 and GGR124H1 or 1.0 FCE from 100-level POL courses including POL101Y1, or POL214Y1, or 1.0 FCE from 100-level SOC courses including SOC101Y1, SOC102H1, and SOC103H1

Exclusion: INI430H1 (topic of same name in 2013-14)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**INI333H1 Critical Approaches in Urban Studies [24L]**

A common approach to studying the city is to quantify the outcome of processes and to rely on the scientific method and quantitative analysis to test hypotheses and ultimately create new knowledge. Critical approaches have been advanced on the belief that the notion of quantification, and that of positivism itself, could be inappropriate, if not altogether flawed. This course will introduce students to a variety of critical or alternative approaches to understanding urban dynamics.

Prerequisite: INI235Y1

Recommended Preparation: None

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **INI334H1 Urban Field Course [12S]**

Students will have the opportunity to travel to a destination city for a week-long examination of specific social, economic, physical, and/or environmental issues. The trip will include meetings with municipal representatives and other decision-makers (public and possibly private). The findings of the trip supplemented by bibliographic research and in-class discussion will form the basis of a major research essay. Each student is required to pay the cost of transportation and accommodation. Not eligible for CR/NCR option.

Prerequisite: INI235Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **INI336H1 Creative Cities (formerly INI336Y1) [24L]**

A prominent thesis in the fields of planning and economic geography is that the presence of creative occupations in a city correlates positively with the overall health of urban regions. This course will investigate the nature of this link from theoretical and empirical perspectives and examine its potential usefulness in a planning/policy context.

Prerequisite: completion of 1.0 FCEs from these 100-level GGR courses: GGR101H1/GGR107H1/GGR112H1/GGR124H1; completion of INI235Y1

Exclusion: INI336Y1

Recommended Preparation: GGR220Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **INI337H1 Studies in Contemporary Urban Problems [24L]**

This course will focus on an examination of the immediate difficulties facing Toronto and by extension all Canadian cities. Instruction will consist of a combination of lectures by the instructor and by noted experts/practitioners in a range of topic areas including urban governance, finance, planning, environmental sustainability and social welfare.

Recommended Preparation: GGR124H1 and/or INI235Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **INI338H1 Advanced Topics in Urban Studies I [24L]**

This course will expose students to a range of contemporary theoretical, analytical, and policy oriented debates in Urban Studies. The emphasis will be on establishing a broad knowledge base in the multifaceted field of urban studies. The exact topics to be covered will fall broadly under the banner of urban socioeconomic change, and specific syllabi, year to year, will follow contemporary and emerging debates. This will be expanded upon in this course's 400 level counterpart.

Exclusion: GGR347H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **JGI346H1 The Urban Planning Process [24L]**

Overview of how planning tools and practice shape the built form of cities. This course introduces twentieth century physical planning within its historical, social, legal, and political contexts. Community and urban design issues are addressed at local and regional scales and in both central cities and suburbs. The focus is on Toronto and the Canadian experience, with comparative examples from other countries, primarily the United States.

Recommended Preparation: 8.0 FCE's including GGR124H1, INI235Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **INI430H1 Advanced Topics in Urban Studies II [24L]**

This course is meant to be a senior complement to INI338H1 whereby important theoretical, analytical and/or policy debates are addressed in a research seminar format. Students in INI430H1 will be expected to extend, or refine research topics identified and explored in INI338H1 in a major independent research project. Students will present their proposals, their progress reports, and their final results to the instructor and the class.

Prerequisite: INI235Y1, and INI336H1/INI338H1. Priority is given to students enrolled in the Urban Studies Major or Specialist Programs. However, consideration may be given to students with suitable course background as determined by the Program Director. Note: INI430H1 cannot be taken concurrently with INI235Y1.)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **INI431Y1 Special Topics in Urban Studies [TBA]**

From time to time, the Urban Studies Program organizes community outreach and information sessions. At the discretion of the Director, students may enroll in a special topics course and investigate these issues more deeply under the supervision of an agreeable faculty member. Proposals including a letter from an agreeable faculty member should be submitted to the Director by June 1 for a Fall or Year-long course, or by November 1 for a Spring course. Not eligible for CR/NCR option.

Prerequisite: Enrolment in a major or specialist program in Urban Studies.

Recommended Preparation: INI235Y1, completion of research design and research methods courses, and suitable 4th-year standing (in terms of credits completed) in an aligned social science discipline.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **INI432H1 Special Topics in Urban Studies [TBA]**

Special topics courses are offered periodically for senior students in the Urban Studies Program. Offerings in any given year will depend on program priorities, availability of specialized expertise and funding. Not eligible for CR/NCR option.

Prerequisite: Enrolment in a major or specialist program in Urban Studies.

Recommended Preparation: INI235Y1, completion of research design and research methods courses, and suitable 4th-year standing (in terms of credits completed) in an aligned social science discipline.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **INI433H1 Special Topics in Urban Studies [24S]**

Special topics courses are offered periodically for senior students in the Urban Studies Program. Offerings in any given year will depend on program priorities, availability of specialized expertise and funding. Not eligible for CR/NCR option.

Prerequisite: Enrolment in a major or specialist program in Urban Studies.

Recommended Preparation: INI235Y1, completion of research design and research methods courses, and suitable 4th-year standing (in terms of credits completed) in an aligned social science discipline.

Distribution Requirement Status: Social Science

Breadth Requirement: None



**INI434Y1 Independent Research in Urban Studies [TBA]**

Designed to allow strong students in the Major and Specialist programs to extend a piece of urban research under the supervision of a faculty member from any aligned department. Choice of 'H' or 'Y' session pursuant to the scope of the research envisioned, the proposed supervisor's assessment of depth of the inquiry, and the approval of the program director. Proposals, including a letter from an agreeable supervisor should be submitted to the program director by June 1 for a Fall or Year session course and by November 1 for a Spring session course. Not eligible for CR/NCR option.

Prerequisite: INI235Y1, completion of research design and research methods courses, and suitable 4th-year standing (in terms of credits completed) in an aligned social science discipline. Enrolment in the Urban Studies Major or Specialist programs.

Distribution Requirement Status: Social Science  
Breadth Requirement: None

**INI435H1 Independent Research in Urban Studies [TBA]**

Designed to allow strong students in the Major and Specialist programs to extend a piece of urban research under the supervision of a faculty member from any aligned department. Choice of 'H' or 'Y' session pursuant to the scope of the research envisioned, the proposed supervisor's assessment of depth of the inquiry, and the approval of the program director. Proposals, including a letter from an agreeable supervisor should be submitted to the program director by June 1 for a Fall or Year session course and by November 1 for a Spring session course. Not eligible for CR/NCR option.

Prerequisite: INI235Y1, completion of research design and research methods courses, and suitable 4th-year standing (in terms of credits completed) in an aligned social science discipline. Enrolment in the Urban Studies Major or Specialist programs.

Distribution Requirement Status: Social Science  
Breadth Requirement: None

**INI436H1 Independent Research in Urban Studies [TBA]**

Designed to allow strong students in the Major and Specialist programs to extend a piece of urban research under the supervision of a faculty member from any aligned department. Choice of 'H' or 'Y' session pursuant to the scope of the research envisioned, the proposed supervisor's assessment of depth of the inquiry, and the approval of the program director. Proposals, including a letter from an agreeable supervisor should be submitted to the program director by June 1 for a Fall or Year session course and by November 1 for a Spring session course. Not eligible for CR/NCR option.

Prerequisite: INI235Y1, completion of research design and research methods courses, and suitable 4th-year standing (in terms of credits completed) in an aligned social science discipline. Enrolment in the Urban Studies Major or Specialist programs.

Distribution Requirement Status: Social Science  
Breadth Requirement: None

**INI437Y1 Urban Experiential Learning in Toronto & the GTA (formerly INI306Y1) [72S]**

A method of studying city issues that combines readings, seminar discussions, and field trips with an 8 hour / week internship in the office of a municipal politician, local government, or non-profit organization. Readings focus on community development, urban planning, economic development and local governance. Students must fill out a ballot for the course (available on the Urban Studies website - sites.utoronto.ca/innis/urban ) by June 1. Enrolment in this course is competitive and at the discretion of Professor Shauna Brail.

Prerequisite: INI235Y1. Priority is given to students enrolled in the Urban Studies Minor, Major, or Specialist Programs. However, consideration may be given to students with suitable course

background as determined by the Program Director. Note: INI437Y1 cannot be taken concurrently with INI235Y1, or with JGI450Y1.)

Exclusion: INI306Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**INI438Y1 Advanced Urban Research Project [48S]**

This course will allow students to investigate an urban topic in depth in a guided seminar environment. Each step of the research process including proposal writing and refinement, bibliographic research, primary data acquisition, analysis and the production of a senior "thesis" will be the focus of this course. The course will emphasize the requirements and "tricks of the trade" for each step in the process, and also put an emphasis on the ability to articulate ideas successfully. Not eligible for CR/NCR option.

Prerequisite: INI235Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**JGI450Y1 Planning for Change: Community Development in Practice [48S]**

Offers senior undergraduates the opportunity to participate in a service learning course alongside graduate students. Students will examine theory and practice related to service learning and will conduct a research project designed with a community organization. The course aims to unite theory and practice by providing analytical tools to connect academic and community development work.

Prerequisite: 15 FCEs, 5.0 of which must be GGR/INI. Note: JGI450Y1 cannot be taken concurrently with INI437Y1.

Exclusion: JPG1812H (graduate)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**JGI454H1 The Role of the Planner: Making a Difference [24L]**

Focuses on the role of a planning practitioner in contemporary society using a wealth of examples drawn from recent issues and debates in Canadian cities and regions. The course will walk students through the demands made of planners in terms of both technical expertise as well as political necessity and ask them to think actively about how to prepare for the extraordinary growth of cities during the next century. Examples of issues that will be discussed in some detail include the myths surrounding the city vs. the suburbs, the creativity and passion involved in planning work and the need to see Toronto's future from a regional perspective.

Prerequisite: 14.5 FCEs, 5.0 of which must be GGR/INI Urban Studies

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**Writing and Rhetoric Courses**

**INI103H1 Writing Essays [24L/12T]**

Introduces the fundamentals of essay writing within an interdisciplinary context. Includes the history of the essay and its various rhetorical modes (narrative, descriptive, expository, argumentative), with a focus on humanities and social sciences essays. Both non-academic essays and essays from across the academic disciplines are examined in terms of purpose, audience, and persuasive strategies.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

## **INI104H1 Writing Reports [36S]**

Introduces the fundamentals of report writing within an interdisciplinary context. This writing intensive course focuses on improving writing skills appropriate to report writing genres. Informal, formal, research, and professional workplace reports are examined in terms of purpose, audience, structure, style, persuasive strategies, and use of visual rhetoric (tables, charts, graphs). This course also examines qualitative and quantitative research methods.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

## **INI203Y1 Foundations of Written Discourse [72S]**

Designed to teach students to write persuasively and to recognize persuasive strategies at work in writing they analyze. Classical rhetorical terms, elements of style, and modes of argument are central to the course. Assignments include a rhetorical analysis, in-class essays, and a term essay. Readings include prose from a variety of disciplines, excluding fiction and poetry. Students who enrol in the course must demonstrate competence in the English language.

Prerequisite: Completion of 4.0 full-course equivalents.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **INI204Y1 The Academic Writing Process [72S]**

The strategy necessary to write complete pieces of non-fiction prose, especially exposition and argument. Concepts of planning and organization include: focusing, research, outlining, patterns of logical development, introduction, paragraph development, conclusion, argumentation and persuasion, documentation, and revision. Students for whom English is a second language should have an advanced level of fluency in English before enrolling.

Prerequisite: Completion of 4.0 full-course equivalents.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **JEI206H1 Writing English Essays [24L/12T]**

This course teaches students who already write effectively how to write clear, compelling, research-informed English essays. The course aims to help students recognize the function of grammar and rhetoric, the importance of audience, and the persuasive role of style.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE. English students have priority.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **INI300H1 Strategic Writing in Business and the Professions: Theory and Practice (formerly INI300Y1) [36S]**

Aims to teach students to recognize the rhetoric of the professional workplace and to communicate strategically and ethically using written and oral discourse appropriate to business, government, and not-for-profit organizations. Case study analysis using ethical reasoning models is a central component of the course.

Prerequisite: Completion of 4.0 full-course equivalents.

Exclusion: INI300Y1; INI302H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Creative and Cultural Representations (1)

## **INI301H1 Contemporary Issues and Written Discourse: Rhetoric and the Print Media [36S]**

Examines how the language and rhetoric of print media shape social issues. Rhetorical strategies at work in the media reporting of such controversial issues as international crises and military actions are examined. The construction of the columnists persona and the role of editorials are also examined.

Prerequisite: Completion of 4.0 full-course equivalents.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **INI302H1 Writing in Business and the Professions for Rotman Commerce students [24L/12T]**

Designed for and restricted to undergraduates in Rotman Commerce. Assignments and course aims reflect the learning goals of the Rotman Commerce program. This course focuses on critical thinking, ethical reasoning, and the rhetoric of the world of business. The theory and practice of written and oral communication are also central. Case study analysis using ethical reasoning models is a central pedagogical tool.

Prerequisite: Completion of 4.0 full-course equivalents.

Exclusion: INI300Y1/INI300H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Creative and Cultural Representations (1)

## **INI310H1 Editing [36S]**

A study of professional editorial conventions, focusing on three stages of the editorial process: substantive editing, stylistic editing, and copy editing. As students learn these stages, they enhance their critical thinking, sharpen their language skills, and practise strategies for strengthening their own writing and the writing of others.

Prerequisite: Completion of 4.0 full-course equivalents.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **INI311Y1 Seminar in Creative Writing [72S]**

This workshop course examines methodological approaches to literary fiction from the perspective of the creator. Through course readings, discussion, and creative writing assignments, student writers will learn how prose writers combine stylistic techniques, point-of-view, setting, character, scenes, and structure to produce literary effects.

Prerequisite: 4.0 full-course equivalents, fluency in English.

Recommended Preparation: Experience or strong interest in writing fiction.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **INI304H1 Critical Thinking and Inquiry in Written Communication [24L]**

This seminar in critical reading, analysis, and writing focuses on the nature, the evaluation, and the use and abuse of evidence in the process of formulating and supporting an argument. The case study method will be employed to assess the level of authority, credibility, and objectivity evident in public discourse, official sources, and academic inquiry.

Prerequisite: Completion of 4.0 full-course equivalents.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**INI305H1 Word and Image in Modern Writing [36S]**

The rhetorical term Ekphrasis, which refers to writing that is about visual art, is central in the examination of the persuasive power of the conversation or discourse that is produced when the written word attempts the evocation of visual images. Course readings will include ekphrastic texts drawn from several disciplines and genres: journalism, informal essays, poetry, and scholarly writing.

Prerequisite: Completion of 4.0 full-course equivalents.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**INI405Y1 Independent Studies in Writing and Rhetoric [TBA]**

Independent research projects devised by students and supervised by the Writing and Rhetoric staff. Open only to students who are completing the Minor Program in Writing and Rhetoric Program. Applications should be submitted to the Program Director by June 1 for a Fall session course or by November 1 for a Spring session course. Not eligible for CR/NCR option.

Prerequisite: Permission of Program Director.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

**INI406H1 Independent Studies in Writing and Rhetoric [TBA]**

Independent research projects devised by students and supervised by the Writing and Rhetoric staff. Open only to students who are completing the Minor Program in Writing and Rhetoric Program. Applications should be submitted to the Program Director by June 1 for a Fall session course or by November 1 for a Spring session course. Not eligible for CR/NCR option.

Prerequisite: Permission of Program Director.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

**INI407H1 Independent Studies in Writing and Rhetoric [TBA]**

Independent research projects devised by students and supervised by the Writing and Rhetoric staff. Open only to students who are completing the Minor Program in Writing and Rhetoric Program. Applications should be submitted to the Program Director by June 1 for a Fall session course or by November 1 for a Spring session course. Not eligible for CR/NCR option.

Prerequisite: Permission of Program Director.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

**INI408Y1 Special Topics in Writing and Rhetoric [TBA]**

Seminars in special topics designed for students who are completing the Minor Program in Writing and Rhetoric.

Prerequisite: Permission of instructor.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

**INI409H1 Special Topics in Writing and Rhetoric [36S]**

Seminars in special topics designed for students who are completing the Minor Program in Writing and Rhetoric.

Prerequisite: Permission of instructor.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

**INI410H1 Special Topics in Writing and Rhetoric [36S]**

Seminars in special topics designed for students who are completing the Minor Program in Writing and Rhetoric (e.g., "Analyzing Creative Non-Fiction").

Prerequisite: Completion of 4.0 full-course equivalents.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

**INI413H1 Visual Rhetoric of the Aesthetic Movement [36L]**

Explores the role of writing and rhetoric in the shaping of material culture and public taste in Victorian illustrated magazines and newspapers in the Aesthetic period (1860-1900). The Great Exhibition of 1851 will provide the context for this study of texts and *objects*, including the decorative arts.

Prerequisite: Completion of 4.0 full-course equivalents.

Recommended Preparation: INI103H1 / INI203Y1 / INI204Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**Other Innis College Courses**

**INI299Y1 Research Opportunity Program [TBA]**

Credit course for supervised participation in faculty research project.

Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: None

Breadth Requirement: None

**INI400Y1 Independent Research [TBA]**

Under the supervision of a faculty member, students explore topics of their own choice and design their own research projects for a course not otherwise available within the Faculty. The student should submit a detailed proposal and a letter of support from the supervisor by June 1 for Y and F courses and by September 1 for S courses. Not eligible for CR/NCR option.

Prerequisite: Normally requires completion of 15.0 full-course equivalents with 3.3 CGPA and permission of the Innis College Vice-Principal.

Distribution Requirement Status: None

Breadth Requirement: None

**INI401H1 Independent Research [TBA]**

Under the supervision of a faculty member, students explore topics of their own choice and design their own research projects for a course not otherwise available within the Faculty. The student should submit a detailed proposal and a letter of support from the supervisor by June 1 for Y and F courses and by September 1 for S courses. Not eligible for CR/NCR option.

Prerequisite: Normally requires completion of 15.0 full-course equivalents with 3.3 CGPA and permission of the Innis College Vice-Principal.

Distribution Requirement Status: None

Breadth Requirement: None

**INI402H1 Independent Research [TBA]**

Under the supervision of a faculty member, students explore topics of their own choice and design their own research projects for a course not otherwise available within the Faculty. The student should submit a detailed proposal and a letter of support from the supervisor by June 1 for Y and F courses and by September 1 for S courses. Not eligible for CR/NCR option.

Prerequisite: Normally requires completion of 15.0 full-course equivalents with 3.3 CGPA and permission of the Innis College Vice-

Principal.

Distribution Requirement Status: None

Breadth Requirement: None

## Faculty

### Professors Emeriti

R. Capozzi, MA, Ph D  
 M. Ciavolella, Ph D  
 A. Franceschetti, Dott in Lett, Ph D  
 M. Kuitunen, Dott in Lett, MA, Phil M, Ufficiale Ord. Merit It. Rep.  
 J.A. Molinaro, MA, Ph D, FRSC  
 O.L. Pugliese, MA, Ph D (V)  
 M.W. Ukas, MA, Ph D

### Professor and Chair of the Department

S. Bancheri, MA, PhD (University of Toronto Mississauga)

### Professors

S. Bancheri, MA, PhD (University of Toronto Mississauga)  
 K. Eisenbichler, MA, Ph D (V)  
 F. Guardiani, Dott in Lett, MA, Ph D (SM)  
 M. Lettieri, MA, Ph D (University of Toronto Mississauga)  
 D. Pietropaolo, MA, Ph D (SM), Commend. Rep. It.  
 L. Somigli, Dott in Lett, Ph D

### Associate Professor

F. Pierno, Dott in Lett, DEA, Doctorat

### Assistant Professors

E. Brilli, Dott in Lett, Ph D (La Sapienza, Rome; EHESS, Paris)  
 A. Zambenedetti, Dott in Lingue e Lett Straniere, MA, Ph D

### Associate Professors, Teaching Stream

B. Magliocchetti, MA (SM)  
 M. Pasquarelli Clivio, MA, Ph D (SM)  
 M. Scarci, MA, Ph D (V)

### Senior Lecturers Emeriti

R. Longo Lavorato, MA, Ph D (SM)  
 A. Urbancic, B Ed, MA, Ph D (V)

To study Italian is not only to acquire a language, but also to study a rich literature and a many-sided culture which have played an important, and sometimes dominant, role in Western civilization. For Canadians, the Italian contribution bears a special significance: the vast influx of Italians has brought changes in our way of life and a living presence to reinforce traditional Italian influences, thus enriching the meaning of the term Canadian. Italian combines well with other modern languages and literatures, and other programs such as European Studies, Literary Studies, and Mediaeval and Renaissance Studies, but is by no means restricted to these. Students may choose from Specialist, Major and Minor programs in Italian Studies. Italian courses are offered for beginners as well as for students who may have prior knowledge or instruction in Italian. Oral practice is included in all language courses. Students well qualified in the Italian language may be excused from language courses in first year (please see the Undergraduate Coordinator). 300- and 400-series courses are available to qualified third and fourth-year students and may be taken concurrently. These courses offer a wide range of options in language, literature, linguistics, culture and cinema. There are courses in Italian literature, culture and cinema that are given in English and have no language requirement. In conjunction with Woodsworth College, ITA courses may be taken in Italy at the University of Siena during July and August. A number of bursaries are available. Students may apply to take their Third Year in Italy under

the Study Abroad Program in conjunction with the Centre for International Experience (<http://www.studentlife.utoronto.ca/cie>). Undergraduate Coordinator: 416-926-2338 Email: [italian.undergrad@utoronto.ca](mailto:italian.undergrad@utoronto.ca) Enquiries: 100 St. Joseph St. Room 204 (416-926-2345) Web site: <http://www.utoronto.ca/italian/>

## Italian Programs

### Italian Specialist (Arts program)

(10 full courses or their equivalent, including at least one full course equivalent at the 400 level)

1. The following language courses: ITA100Y1, ITA250Y1, ITA350Y1, ITA450H1
2. One additional 200-series ITA full course equivalent
3. Two full course equivalents at the 300+ level in literature, including 0.5 FCE in each of the THREE periods of Italian literature:

Medieval / Renaissance:

ITA300H1/ITA311H1/ITA312H1/ITA320H1/ITA321H1/ITA325H1/ITA328H1/ITA370H1/ITA420H1/ITA455H1

Baroque / Enlightenment:

ITA301H1/ITA326H1/ITA390H1/ITA420H1/ITA436H1/ITA455H1

Modern / Contemporary:

ITA301H1/ITA310H1/ITA330H1/ITA334H1/ITA334H1/ITA346H1/ITA380H1/ITA381H1/ITA410H1/ITA421H1/ITA455H1

4. One half course from the following:  
ITA360H1/363H1/371H1/431H1/432H1/471H1
5. One half course from the following:  
ITA311H1/ITA320H1/ITA321H1/ITA332H1/ITA340H1/ITA341H1/ITA342H1/ITA345H1/ITA347H1/ITA441H1/ITA370H1/ITA420H1
6. Two additional full course equivalents at the 300+ level with at least one half course at the 400 level
7. ITA495H1

NOTE: (No more than TWO full courses or equivalent where the language of instruction is English may be counted towards the Specialist Program.)

### Italian Major (Arts program)

(7 full courses or their equivalent, including at least one half-course equivalent at the 400 level)

1. The following language courses: ITA100Y1, ITA250Y1, ITA350Y1
2. One additional 200-series ITA full course equivalent
3. One full course or equivalent at the 300+ level in literature
4. One half course from the following:  
ITA360H1/363H1/371H1/431H1/432H1/471H1
5. One half course from the following:  
ITA311H1/ITA320H1/ITA321H1/ITA332H1/ITA340H1/ITA341H1/ITA342H1/ITA345H1/ITA347H1/ITA441H1/ITA370H1/ITA420H1
6. One additional 300+ series course of which at least one half course must be at the 400 level

# Italian

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## Italian Minor (Arts program)

(4 full courses or their equivalent)

Any 4 ITA courses (at least one full course equivalent must be a 300/400-level literature course)

## Italian Culture and Communication Studies Minor (Arts program)

4 full courses (or equivalent) including one full course equivalent from any of the following:

ITA340H1/ITA341H1/ITA342H1/ITA345H1/ITA347H1/ITA441H1/445H1

ITA360H1/ITA363H1/ITA431H1/ITA432H1

ITA356Y1/357Y1/358Y1/359Y1

ITA371H1/ITA471H1

## Faculty of Arts & Science Language Citation

The Department of Italian Studies participates in the Faculty of Arts and Science's Language Citation initiative for Italian. Proficiency in Italian is an invaluable asset for those wishing to pursue a career in social work, business, applied science, government, law, medicine or education. A knowledge of Italian complements undergraduate studies in other areas, such as music, fine art, literary studies, European history or political science, to name a few.

The Language Citation recognizes a significant level of achievement in language study with a high level of academic success. The Citation in Italian is available to students who, having completed a first year language course in Italian (ITA100Y1/ITA151Y1) (or the equivalent prerequisite training), earn a grade of at least B- in a second-year language course (ITA250Y1/ITA251Y1) and in one FCE in Italian language at the 300 or 400 level.

Students should note that the Language Citation is not equivalent to an academic program and that enrolment in a program is not necessary in order to earn the recognition bestowed by the Citation.

## Italian Courses

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### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### Guidelines for students who wish to begin the study of the Italian language at the university level:

ITA100Y1 - Italian Language for Beginners –An introductory course for students with no previous knowledge of the Italian language. Not open to students with grade 11 and/or 12 U or M Italian or with previous experience, exposure or instruction in Italian.

ITA250Y1 - Intermediate Italian –The subsequent course for students who have completed ITA100Y1 or ITA151Y1.

This course is also open to students who have completed Grade 11 and/or 12 Italian (U or M level) or with previous experience or instruction in Italian. For this group, the Department may conduct assessment to determine appropriate placement.

The Department reserves the right to place students in the language course appropriate to their level of language skill.

### ITA100Y1 Italian Language for Beginners [72S]

An introduction to the main elements of the Italian language. The development of speaking, reading, and writing skills. Introduction to Italian culture and texts.

Exclusion: Grade 11 and/or 12 Italian (U or M level) or previous experience or instruction in Italian.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### ITA102Y0 Practical Italian [48L/24P]

A course specifically designed for students who wish to take Italian as a breadth requirement. Emphasis will be given to basic aspects of communication in a functional context. This course cannot be used towards any Minor, Major or Specialist program in Italian. (Offered in Siena only)

Exclusion: 4U Italian or any previous university level Italian language course

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### ITA135Y0 Conversation and Culture: An Introduction to Italian [72S]

The course is designed to introduce students to Italian grammar and develop basic oral and comprehension skills. Elements of Italian culture, past and present, are also examined in the context of language and communication. To select the appropriate second-year follow-up course, students are asked to contact the Undergraduate Coordinator. (Offered in Siena only)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### ITA200H1 Major Italian Authors in Translation: from Dante to Tasso [24L]

The course will focus on authors from the Middle Ages to the Renaissance who had a defining influence on Western literature, such as Dante, Petrarca, Boccaccio, Machiavelli, Ariosto and Tasso. This course includes a component designed to enhance students' research experience. (Given in English)

Exclusion: ITA300H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### ITA201H1 Major Italian Authors in Translation: from Marino to Calvino [24L]

The course will focus on authors from the Baroque to the Twentieth Century who had a defining influence on Western literature, such as Marino, Goldoni, Manzoni, Pirandello, Calvino. This course includes a component designed to enhance students' research experience. (Given in English)

Exclusion: ITA301H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ITA210Y1 Contemporary Italy [48S]**

Through the study of literature and art from Italian unification to the present, and of their social and political context, this course aims to give students a comprehensive introduction to contemporary Italian culture and society. All texts are read in translation. The course includes a component designed to introduce students to methods of scholarly research appropriate to the field. (Given in English)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ITA233H1 Italian-Canadian Literature (formerly ITA233Y1) [24L]**

The course will explore how notions of identity and (self)-representation emerge in literature by Canadian writers of Italian descent. Works by Nino Ricci, Pier Giorgio Di Cicco, Frank Paci, Mary Di Michele, Caterina Edwards and Gianna Patriarca will be examined to illustrate the critical evolution of the immigrant journey from its historical experience to its current branding. This course includes a component designed to enhance students' research experience. (Given in English)

Exclusion: ITA233Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**ITA235Y0 Conversation and Culture: Intermediate Italian Intensive Oral Practice [72S]**

This course is designed to enhance students oral proficiency in Italian, improve listening and reading comprehension and develop a broad lexical base for more effective communicating skills. Elements of Italian culture are also examined in the context of language and communication through a series of topical readings which form the basis of discussions. (Offered in Siena only)

Prerequisite: ITA100Y1/ITA101Y1/ITA102Y1/ITA135Y0/ITA151Y1/ITA152Y1 or permission of Department

Exclusion: ITA252Y1 (and/or higher)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ITA240Y1 History of Italian Cinema [48L/72P]**

This course surveys the history of Italian cinema and the sociopolitical circumstances surrounding the film industry, from its early days to the present, while also introducing the students to methods of analysis and research appropriate to the field. Emphasis will be placed on films from the silent era to the 1960s, and from the 1960s to the present. This course includes a component designed to introduce students to methods of scholarly research appropriate to the field.

The course is given in English and all films shown have English subtitles.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

Available Online: consult Faculty or Graduate Unit for details

**ITA249H1 Italians in Asia [24L]**

From early Sino-Roman cultural exchanges to the present day commercial relations, Italian travelers to Asia have produced a large body of works showing original thinking, intellectual audacity, and religious tolerance. This course focuses on some of these accomplishments, including *The travels* of Marco Polo, the writings of Matteo Ricci Li-Madou, and Roberto de Nobili, and the paintings of Giuseppe Castiglione. This course includes a component designed to enhance students' research experience. (Given in English)

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**ITA250Y1 Intermediate Italian [72S]**

Grammar review, readings of Italian authors and oral practice to enhance comprehension and expressive skills.

Prerequisite: ITA100Y1/151Y1; Grade 11 and/or 12 Italian (U or M level), or previous experience or instruction in Italian, or permission of the Department.

Exclusion: ITA251Y1/ITA252Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ITA299Y1 Research Opportunity Program [TBA]**

Credit course for supervised participation in faculty research project.

Details at <http://www.artsci.utoronto.ca/current/course/rop>.

Distribution Requirement Status: Humanities

Breadth Requirement: None

**ITA300H1 History of Italian Literature: Middle Ages and Renaissance [24L]**

This course provides a chronological, comprehensive view of Italian literature and its major authors and trends, in their socio-historical contexts from its beginnings to the Renaissance. This course includes a component designed to enhance students' research experience.

Prerequisite: ITA250Y1/ITA251Y1/ITA252Y1

Exclusion: ITA200H1/ITA300Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ITA301H1 History of Italian Literature: Baroque to Contemporary [24L]**

This course provides a chronological, comprehensive view of Italian literature and its major authors and trends, in their socio-historical contexts from the Baroque period to the present day. This course includes a component designed to enhance students' research experience.

Prerequisite: ITA250Y1/ITA251Y1/ITA252Y1

Exclusion: ITA201H1/ITA300Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ITA310H1 The 'Journey' in 19th Century Italian Literature [24L]**

The course illustrates Italy's contribution to the history of the trope during a time when countries became increasingly interdependent and conscious of each other's cultures. Through literary and social analysis the course traces the most vital aspects of the journey motif. This course includes a component designed to enhance students' research experience. (Given in English)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ITA311H1 Mediaeval Italian Literature in Translation: Dante [24L]**

A study of the *Vita Nuova* and of the *Divine Comedy* within the literary and cultural contexts of the Middle Ages. This course includes a component designed to enhance students' research experience. (Given in English)

Exclusion: ITA320Y1/321Y1/ITA320H1/ITA321H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ITA312H1 Mediaeval Italian Literature in Translation: Petrarch and Boccaccio [24L]**

A study of Petrarch's *Canzoniere* and of Boccaccio's *Decameron* in relation to later Middle Ages. This course includes a component designed to enhance students' research experience. (Given in English)

Exclusion: ITA325H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ITA315Y1 Italian Theatre: Text and Performance [48L/24P]**

A study of Italian Theatre (comedy, tragedy) from the 16th to the 20th Centuries with focus on staging and acting techniques culminating with the production of a play. The performative process will also provide experiential learning for students and improve their oral communication. This course includes a component designed to enhance students' research experience.

Prerequisite: ITA 250Y1/ITA 251Y1/ITA252Y1 /permission of Department

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ITA320H1 Dante: Vita Nuova and Divina Commedia (Inferno) [24L]**

Dante's poetry and great Christian epic of conversion explode with the passions of this world. This course focuses on intertextual and rhetorical strategies used to fashion the author's complex vision of contemporary society within the framework of providential history. This course includes a component designed to enhance students' research experience.

Prerequisite: ITA250Y1/ITA251Y1/ITA252Y1

Exclusion: ITA311H1/ITA320Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ITA321H1 Dante: Divina Commedia (Purgatorio and Paradiso) [24L]**

A continuation of ITA320H1, this course examines the *Purgatorio* and the *Paradiso* in the context of Dante's vision of contemporary society. This course includes a component designed to enhance students' research experience.

Prerequisite: ITA320H1

Exclusion: ITA311H1/ITA320Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ITA325H1 Themes and Forms of the Lyric Tradition from Petrarch to Tasso [24L]**

A comprehensive historical and thematic review of love poetry in the Italian lyric tradition. The course focuses on the distinctive elements of the lyric genre from the establishment of the canon with Petrarch to its amplification with Tasso. This course includes a component designed to enhance students' research experience.

Prerequisite: ITA250Y1/ITA251Y1/ITA252Y1

Exclusion: ITA325Y1/ITA312H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ITA326H1 Themes and Forms of the Lyric Tradition from Late Renaissance to 20th Century [24L]**

A chronological and historical review of the forms and themes of love poetry in the Italian lyric tradition. The course follows the evolution of the genre from late Renaissance, Mannerist and Baroque writings, to the love poetry of D'Annunzio. This course includes a component designed to enhance students' research experience.

Prerequisite: ITA250Y1/ITA251Y1/ITA252Y1

Exclusion: ITA325Y1

Distribution Requirement Status: Humanities

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Breadth Requirement: Creative and Cultural Representations (1)

## **ITA330H1 Alessandro Manzoni and the 19th Century [24L]**

Italy's foremost author's conscious attempt to write the great representative ("epic") work of the Risorgimento. This course explores Manzoni's continuing struggle to find the appropriate language, style, and genre to express his vision of history. This course includes a component designed to enhance students' research experience.

Prerequisite: ITA250Y1/ITA251Y1/ITA252Y1

Exclusion: ITA330Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ITA332H1 Love in the Renaissance [24L]**

An exploration of the theme of love in the Renaissance and its development in a variety of literary forms. Analysis of treatises, poetry, short stories and letters with the purpose of examining intertextuality and the practice of imitation, as well as the social and political aspects of love, such as marriage, women's position in society, pornography, homosexuality and other issues. This course includes a component designed to enhance students' research experience. (Given in English)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ITA340H1 Italian Neorealist Cinema [24L/36P]**

The focus of this course is the films of Italian Neorealism, one of the most influential, artistic, and intellectual movements in the history of world cinema. While emphasis will be placed primarily on the work of Roberto Rossellini, Vittorio De Sica, and Luchino Visconti, the course will also offer a detailed discussion of the historical context and of the sociopolitical issues of postwar Italy. This course includes a component designed to enhance students' research experience. (Given in English)

Exclusion: ITA340Y1

Recommended Preparation: ITA240Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ITA341H1 Gender and Genre in Italian Cinema [24L/36P]**

The course looks at Italian cinema from the perspective of gender and genre studies. While the focus will be primarily on film, the course will also engage with different media and discuss how these have informed and influenced Italian notions of masculinity and femininity throughout the Twentieth Century. The emphasis on genre will provide the structure to organize a discourse that will embrace very diverse and multifaceted texts, and will enable students to develop their analytical and critical skills in the field. This course includes a component designed to enhance students' research experience. (Given in English)

Exclusion: ITA340Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ITA342H1 Popular Italian Cinema [24L]**

This course discusses the notion of the *Popular* as applied to Italian cinema. By focusing on the number of films that have appropriated popular international genres such as *Spaghetti Westerns*, *Horror*, and *Poliziotteschi*, this course will discuss Italian cinema in a global context, drawing parallels and comparisons with other national industries.

Students will gain a broader understanding of Italian film culture, and will apply their critical and research skills to a wide range of texts. This course includes a component designed to enhance students' research experience. (Given in English)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)



**ITA345H1 Cinema of the Italian Diasporas [24L/36P]**

This course will examine how several filmmakers of Italian descent engage with the representation of their diasporic identity. Particular emphasis will be placed on Italian-Canadian and Italian-American cinema, as well as on Italian cineastes working in Argentina, Brazil, and Australia. The course will analyze films that span from silent to contemporary, from the formation of the stereotypical images to the re-appropriation of archetypes on the part of "ethnic" filmmakers. This course includes a component designed to enhance students' research experience. (Given in English)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ITA347H1 Topics in Italian Cinema [24L/36P]**

This course focuses on issues of genre and authorship in the context of a general discussion of Italian film-making as a national and popular tradition. This course includes a component designed to enhance students' research experience. (Given in English)

Exclusion: ITA342Y1

Recommended Preparation: ITA240Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ITA348H1 Mass Media in Italy: The European Context [24L]**

This course investigates Italy's pivotal role in epochal cultural changes: from manuscript to print and from print to computers. The impacts of Print Technology in the Renaissance and of Electronic Technology from Marconi onward are thoroughly analyzed. This course includes a component designed to enhance students' research experience. (Given in English)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ITA350Y1 Language Practice [24P/48S]**

For students who have completed ITA250Y1/ITA251Y1. Discussion of problems of grammar, style, and composition. Language analysis based on readings of Italian authors. One hour a week of oral practice. This course includes a component designed to enhance students' research experience.

Prerequisite: ITA250Y1/ITA251Y1

Exclusion: ITA351Y1/ITA352Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ITA356Y0 Italian Culture from the Middle Ages to the Renaissance [24L/24T]**

A survey of artists, writers, and thinkers from the time of Dante to the days of Leonardo. During field trips, the streets, squares, churches, and palazzi of many cities serve as living laboratories for a discussion of the topography of mediaeval and Renaissance cities. This course includes a component designed to enhance students' research experience. (Offered in Siena only.)

ITA356Y0: This course is taught in English and is open to students from other disciplines.

Exclusion: ITA245Y1/ITA246H1/ITA248Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

**ITA357Y0 Italian Culture from the Middle Ages to the Renaissance [24L/24T]**

A survey of artists, writers, and thinkers from the time of Dante to the days of Leonardo. During field trips, the streets, squares, churches, and palazzi of many cities serve as living laboratories for a discussion of the topography of mediaeval and Renaissance cities. This course includes a component designed to enhance students' research experience. (Offered in Siena only.)

ITA357Y0: Students who wish to petition the Department for credit towards a Specialist or Major in Italian will be required to do the readings in Italian

Exclusion: ITA245Y1/ITA246H1/ITA248Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

**ITA358Y0 Modern Italian Culture [24L/24T]**

Analysis of a selection of philosophical, artistic, musical, and literary works from the age of the Baroque to the present. The main topics of discussion include: Romanticism, Italian unification, theatre, opera, Futurism, fascism, Neorealism, regional differences, and industrialization. Field trips and viewing of movies included. This course includes a component designed to enhance students' research experience. (Offered in Siena only)

ITA358Y0: This course is taught in English and is open to students from other disciplines.

Exclusion: ITA245Y1/ITA247H1/ITA248Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

**ITA359Y0 Modern Italian Culture [24L/24T]**

Analysis of a selection of philosophical, artistic, musical, and literary works from the age of the Baroque to the present. The main topics of discussion include: Romanticism, Italian unification, theatre, opera, Futurism, fascism, Neorealism, regional differences, and industrialization. Field trips and viewing of movies included. This course includes a component designed to enhance students' research experience. (Offered in Siena only)

ITA359Y0: Students who wish to petition the Department for credit towards a Specialist or Major in Italian will be required to do the readings in Italian.

Exclusion: ITA245Y1/ITA247H1/ITA248Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

**ITA360H1 Italian Linguistics [24L]**

For students having a knowledge of Italian and/or Italian dialects but no background in linguistics. Concepts of general linguistics. Italy as a linguistic entity. The structure of contemporary Italian, with special regard to its sound system and grammatical categories. This course includes a component designed to enhance students' research experience. (Given in English)

Prerequisite: ITA250Y1/ITA251Y1/ITA252Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **ITA363H1 Italian Sociolinguistics [24L]**

Starting with a survey of the sociolinguistic situation in Italy before Unification, this course deals with the complex relationship between regional languages and dialects on the one hand and Common Italian on the other. The recent rise of regional variants of Italian and its impact on the dialects are also discussed. This course includes a component designed to enhance students' research experience.

Prerequisite: ITA250Y1/ITA251Y1/ITA252Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **ITA370H1 Power and Success in the Renaissance [24L]**

Concepts of power and strategies for success in Renaissance texts including Machiavelli's *Il principe*, Castiglione's *Il libro del cortegiano* and Della Casa's *Galateo*. This course includes a component designed to enhance students' research experience.

Prerequisite: ITA250Y1/ITA251Y1/ITA252Y1

Exclusion: ITA370Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **ITA371H1 Translating I [24S]**

A course designed for advanced students. Written translation of a variety of non-technical texts from English into Italian and Italian into English. Treatment of common difficulties in translating to and from the two languages. This course includes a component designed to enhance students' research experience.

Prerequisite: Permission of Department

Exclusion: ITA371Y

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ITA380H1 The Prose of the World: The Modern Italian Novel and the Realist Tradition [24L]**

This course examines the development of modern Italian novel by taking as its focus the question of the relationship between narrative and the world. The course analyzes some of the major figures of Nineteenth-Century realist tradition such as Manzoni and Verga, as well as the resurgence of realist narrative in the post-World War II period with authors such as Pavese and Calvino. This course includes a component designed to enhance students' research experience. (Given in English)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ITA381H1 Topics in Modern and Contemporary Literature [24L]**

Focusing on compelling themes arising from critical and theoretical debates in 20th-century culture, this course analyzes poetic, narrative and dramatic works by major Italian modern and contemporary authors. This course includes a component designed to enhance students' research experience.

Prerequisite: ITA250Y1/ITA251Y1/ITA252Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ITA390H1 The Commedia dell'Arte [24L]**

A study of the conventions of the Commedia dell'Arte tradition in the context of its performance history from the late Renaissance to the present. Issues examined include acting techniques, improvisation, masks and costumes, iconography and adaptation to film. This course includes a component designed to enhance students' research experience. (Given in English)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ITA395Y0 Special Topics in Italian Studies [48S]**

The area of concentration will depend upon the instructor teaching the course in any given year. (Offered only during the summer through the Summer Abroad Program)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ITA398H0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. This course includes a component designed to enhance students' research experience.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **ITA399Y0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. This course includes a component designed to enhance students' research experience.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **ITA400H1 Machiavelli [24S]**

An intensive study of Machiavelli's major works in English translation, including his political treatises (*The Prince*, excerpts from *The Discourses*), plays (*The Mandrake Root*), letters, and short story (*Belfagor*), in the context of Renaissance Florence, the history of Machiavelli criticism, and modern ethical debates. This course includes a component designed to enhance students' research experience. (Given in English)

Prerequisite: Completion of at least 10.0 FCEs

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **ITA410H1 Masterpieces of Modern Drama [24L]**

This course will study works by the major Italian playwrights of the Twentieth Century, including two of Italy's Literature Nobel Prize winners, Luigi Pirandello and Dario Fo. Particular attention will be paid to the relationship between individual works and broader literary and cultural movements, as well as to issues regarding staging and production of the plays under discussion. The course includes a component designed to enhance students' research experience.

Prerequisite: ITA250Y1/ITA251Y1/ITA252Y1 and at least 0.5 FCE ITA literature courses at the 300-level

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **ITA420H1 Spinning a Tale: The Italian Short Story from Boccaccio to Basile [24L]**

The short story genre and its development from the Middle Ages to the Baroque. In addition to Boccaccio's tales, included are some of the most famous stories of Western literature, which later inspired masterpieces in all art forms, such as *Romeo and Juliet*, *Othello* and *Puss in Boots*. This course includes a component designed to enhance students' research experience.

Prerequisite: ITA250Y1/ITA251Y1/ITA252Y1 and at least 0.5 FCE ITA literature courses at the 300-level

Exclusion: ITA421Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ITA421H1 Spinning a Tale: The Italian Short Story after 1800 [24L]**

Focusing on short stories by some of the most important authors of the Twentieth Century, such as Pirandello and Calvino, this course will provide an introduction to the major tendencies of contemporary Italian literature. This course includes a component designed to enhance students' research experience.

Prerequisite: ITA250Y1/ITA251Y1/ITA252Y1 and at least 0.5 FCE ITA literature courses at the 300-level

Exclusion: ITA421Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ITA431H1 History of Italian Language I-from Middle ages to Cinquecento [24L]**

An historical overview of the Italian language from the first Medieval documents to the texts of the *Questione della Lingua*. It deals with historical grammar and the analyses of early Italian texts. An introduction to notions of linguistic statistics. Empirical quantitative methods are based on the three most important databases of old Italian: TLIO, OVI, BIZ. This course includes a component designed to enhance students' research experience.

Prerequisite: ITA250Y1/ITA251Y1/ITA252Y1

Exclusion: ITA430H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**ITA432H1 History of Italian Language II- from Cinquecento to Contemporary [24L]**

The evolution of the Italian Language from the *Questione della lingua* to Contemporary issues pertaining to reading of literary and non literary documents and analyses of the social, political and economic conditions which influenced Early Modern, Modern and Contemporary Italian. Introduction to techniques pertaining to notions of linguistic statistics. Quantitative methods will be based on the three most important databases for the Early modern, Modern and Contemporary Italian: *Vocabolario della Crusca* (online), BaDIP and BIZ. This course includes a component designed to enhance students' research experience.

Prerequisite: ITA250Y1/ITA251Y1/ITA252Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**ITA441H1 Italian Cinematic Adaptation [24L]**

An analysis of the process of adaptation in an exploration of the ideological and narratological perspectives as well as the stylistic elements of literary and cinematic discourse. Selections include novels by Verga, Tomasi di Lampedusa, Moravia, Bassani and their filmic adaptations by directors such as Visconti, De Sica, Bertolucci. This course includes a component designed to enhance students' research experience. (Given in English)

Recommended Preparation: One of: ITA240Y1/340Y1/

ITA340H1/ITA341H1/ITA347H1/381Y1. Knowledge of Italian recommended

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ITA445H1 Literature of the Italian Diasporas [24L]**

This course examines works by writers of Italian descent, focusing on themes linked to the second-generation experience, such as intergenerational conflict, gender relations, the return journey, and the quest for identity. The comparative approach of this investigation will bring within the same framework the diasporic literatures of Canada, the United States, Argentina, Brazil, Australia, and of other countries. (Texts available in English and in their original language). This course includes a component designed to enhance students' research experience.

(Given in English)

Recommended Preparation: ITA233Y1/ITA233H1/ITA345H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ITA450H1 Advanced Italian [36S]**

This advanced-level course is designed to provide students with further study of the Italian language and culture with emphasis on varied methods of expression. This course will improve students' oral and written communication skills.

Prerequisite: ITA350Y1 /ITA351Y1

Exclusion: ITA451H1/ITA452H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ITA455H1 Women Writers in Italy [24L]**

The course will focus on the writings of women in different periods of Italian history. Spanning a variety of genres, from the novel to autobiography, from poetry to essayism, the course will discuss various aspects of the debate regarding the changing roles of women in society. This course includes a component designed to enhance students' research experience.

Prerequisite: ITA250Y1/ITA251Y1/ITA252Y1 and at least 0.5 FCE ITA literature courses at the 300-level

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ITA460Y1 Internship in Italian [48P]**

Opportunity to apply acquired knowledge in a work placement environment. The placement will take place in local community organizations, Private Business Associations and local media.

Prerequisite: ITA350Y1/ITA351Y1/ITA352Y1 or ITA371Y1

Corequisite: Must be enrolled in 4th year. 3.0 CGPA required.

Departmental interview.

Distribution Requirement Status: Humanities

Breadth Requirement: None

**ITA471H1 Translating II [24S]**

A course designed for advanced students. Written translation of literary, administrative, business, and semi-technical texts from English into Italian and Italian into English. This course includes a component designed to enhance students' research experience.

Exclusion: ITA471Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**ITA489H1 Independent Studies [TBA]**

An opportunity to pursue at the 400-level an independent course of study not otherwise available. A written proposal, co-signed by the instructor, must be submitted on the appropriate proposal form for approval by the Department of Italian Studies. Application deadline: April 30 for F courses, November 30 for S courses.

Prerequisite: Permission of Department

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **ITA490Y1 Independent Studies [TBA]**

In exceptional circumstances, students may request to pursue at the 400-level an independent course of study not otherwise available. A written proposal, co-signed by the instructor, must be submitted on the appropriate proposal form for approval by the Department of Italian Studies. Application deadline April 30.

Prerequisite: Permission of Department

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **ITA495H1 Directed Research**

Based on a professor's research project currently in progress, this course will enable an undergraduate student to play a useful role in the project while receiving concrete training in research. This course is mandatory for all students enrolled in the specialist's program.

Prerequisite: Permission of Department

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **ITA496H1 Research Methods**

This course, linked to the instructor's research project, will provide training in a variety of research methods. This course includes a component designed to enhance students' research experience.

Prerequisite: Permission of Department

Distribution Requirement Status: Humanities

Breadth Requirement: None

E. Weinrib, PhD, LLB (LAW)

## Faculty

### Director

A. Shternshis, MA, D Phil, PhD (GER) Al and Malka Green Associate Professor of Yiddish Studies

### Undergraduate Coordinator

Y. Nizri, PhD (CJS, RLG)

### Graduate Coordinator

D. Bergen, MA, PhD (HIS) Chancellor Rose and Ray Wolfe Chair of Holocaust Studies

### Professors Emeriti

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B.E. Dresner, BA, PhD (LIN)  
L.R.M. Garshowitz, PhD (NMC)  
J. Kornberg, MA, PhD (HIS)  
M.R. Marrus, MA, PhD (HIS)

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### Professors

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R. Beiner, BA, DPhil (POL)  
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M. Subtelny, MA, PhD (NMC)  
H. Troper, BA, MA, PhD (OISE)  
L. Weinrib, BA, LLB, LLM (POL, LAW)

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K. Blouin, MA, PhD (CLA)  
A. Cohen, MA, PhD (ART)  
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H. Fox, MA, PhD (NMC, RLG)  
J. Harris, MA, PhD (SMC, RLG)  
D. Heller, BA, MA, PhD (LIN)  
R. Holmstedt, MA, PhD (NMC)  
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J. Marshall, MA, PhD (RLG)  
T. Meacham, MA, PhD (NMC)  
S. Metso, MA, ThD (NMC)  
J. Newman, MA, PhD (REL)  
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R. Wittmann, MA, PhD (HIS)  
P. Wróbel, MA, PhD (HIS) Konstanty Reynert Professor of Polish Studies

### Assistant Professors

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A. Paz, MA, BA, PhD (ANT)  
D. Silver, PhD (SOC)  
S. Vande Moortele, PhD (MUS)

### Associate Professors, Teaching Stream

R. Austin, PhD (ERE)  
E. Gold, BA, MA, PhD (LIN)  
S. Goldberg, MA, PhD (CJS, RLG)  
Y. Nizri, PhD (CJS, RLG)

### Visiting Professor

M. Morgan, PhD (CJS, PHL) Senator Jerahmiel S. Grafstein Professor of Jewish Thought

### Special Lecturers

F. Bialystok, MA, PhD (CDN)  
G. Citron, PhD (PHL) Ray D. Wolfe Postdoctoral Fellow

## Introduction

The undergraduate program at the Anne Tanenbaum Centre for Jewish Studies (CJS) builds on the expertise and range of the faculty. The program is organized around four areas of interest that reflect the diverse strengths of the CJS. The Specialist and Major programs of study requires one of the gateway courses, CJS200H1 or CJS201H1, and a half credit course at the 400-level. The Minor program of study requires either CJS200H1 or CJS201H1.

### Four Areas of Interest:

#### I. Classical Judaism

The civilization of the people of the book has produced a rich, classical literature: the Hebrew Bible, the Dead Sea Scrolls, Hellenistic texts, as well as rabbinic literature from the earliest targumic and midrashic interpretations through the Talmuds and geonic traditions to medieval commentators on Talmudic texts. We situate these texts in their linguistic

# Centre for Jewish Studies

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and cultural contexts, and study them with philological rigour. Our students learn to trace the development of the Jewish imagination in its interactions with surrounding cultures and to appreciate its many expressions: legal, exegetical, mythic, and mystical. Jewish civilization emerges as a highly variegated collection of phenomena and traditions.

## II. Jewish Philosophy and Thought

Both in the ancient world and contemporary society, many vital questions have arisen from Jewish experience and its interaction with diverse religions and philosophies. Why would the perfect, all-sufficient God care to speak to human beings? How could God's inner life be described? What is the relationship between law and ethics? What future could a particular, religious identity have in a secular democracy based on universal values? What can traditional Jewish sources contribute to contemporary feminism and what does contemporary feminism have to say about the traditionally gendered view of Jewish commandments? In addressing these questions, we teach students to engage critically with the great figures in the history of Jewish thought, from Philo to Maimonides, from Spinoza to Rosenzweig.

## III. Jewish History and Social Sciences

Covering the whole range of Jewish history, from ancient Israelites to modern Israel, from medieval Spain to the Holocaust and beyond, our courses explore both the ideal and material aspects of the many contexts in which Jewish civilization has survived and thrived, while offering a unique perspective on world history. Social sciences such as anthropology, political science, and sociology enrich our comprehension of today as well as yesterday by exploring phenomena such as collective memory, group identity, and inter-group conflict. Our courses give students the tools not only to understand the past but also to shape the future.

## IV. Jewish Cultures, Languages, and Literatures

We offer a rich variety of courses in Jewish literature, film, and theatre, as well as Yiddish and Hebrew language. How have Jews expressed their resilience and imagination under the extreme conditions of the Holocaust or within communist societies? What is the Jewish contribution to North American popular culture? From the social lives of contemporary Russian Jews to the impact of Israeli folk dance on national identity, from experimental Jewish photography to Jewish involvement in Broadway musicals, we investigate the many ways in which Jews express their identity and creativity in cultures around the world.

More information:

[cjs.toronto@utoronto.ca](mailto:cjs.toronto@utoronto.ca)

416-978-1624

[www.cjs.utoronto.ca](http://www.cjs.utoronto.ca)

## Centre for Jewish Studies Programs

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The Jewish Studies Undergraduate Program is divided into four areas of concentration:

- 1: Classical Judaism
- 2: Jewish Philosophy and Thought
- 3: Jewish History and Social Sciences
- 4: Jewish Cultures, Languages, and Literatures

## Jewish Studies Specialist (Arts program)

There are no specific first-year requirements; however, first-year students are welcome to take CJS200, CJS201, Hebrew Language courses (MHB155 and MHB156) and Yiddish (GER260), which count towards the Jewish Studies Specialist.

(10 FCEs or equivalent, including at least 4 FCEs at the 300+ level and at least 1 FCE at the 400-level.)

1. CJS200H1/CJS201H1

2. 0.5 FCE in 400 level course in the area of concentration (see CJS website for the list of approved and available courses: [www.cjs.utoronto.ca/undergraduate/courses](http://www.cjs.utoronto.ca/undergraduate/courses)).

3. 3 FCEs or proof of proficiency at the third-year level in one of the following languages: Aramaic, Hebrew, Yiddish. Other languages are accepted with special permission. Students entering the program with requisite linguistic proficiency will choose any 3 FCEs in their first or second areas of concentration (see below) in addition to the regular requirements described in sections 3 and 4.

4. 4 FCEs in one of the four Jewish Studies areas of concentration, of which at least 0.5 FCE at the 400 level. This is in addition to the language requirements in section 2 (above).

5. Additional 2 FCEs in one other area of concentration, with at least 1 FCE at 300+ level.

6. DTS300 or 0.5 FCE to satisfy the Quantitative Reasoning competency of the program, to be chosen from courses in Jewish Studies developing this competency. If none is available, 0.5 FCE from Breadth Requirement Category #5: The Physical & Mathematical Universe, or 0.5 FCE approved by the program director. If taken outside Jewish Studies courses, it is in addition to the requirements in 1-4 above.

## Jewish Studies Major (Arts program)

There are no specific first-year requirements; however, first-year students are welcome to take CJS200, CJS201, Hebrew Language courses (MHB155H and MHB156H), and Yiddish (GER260Y), which count towards the Jewish Studies Major.

(6.5 FCEs or equivalent, including at least 2 FCEs at the 300+ level, 0.5 of which must be at the 400-level)

1. CJS200H1/CJS201H1

2. 0.5 FCE in a 400-level course in the area of concentration (see CJS website for the list of available courses for any given year: [www.cjs.utoronto.ca/undergraduate/courses](http://www.cjs.utoronto.ca/undergraduate/courses))

3. 4 FCEs in one of the four Jewish Studies areas of concentration, with at least 2 FCEs at the 300+ level. Students choosing "Classical Judaism" concentration must take 2 FCEs of Jewish Studies approved language or demonstrate linguistic proficiency at the second year level.

4. Additional 1 FCE in one other area of Jewish Studies concentration.

5. DTS300 or 0.5 FCE to satisfy the Quantitative Reasoning competency of the program, to be chosen from courses in Jewish Studies developing this competency. If none is available, 0.5 FCE from Breadth Requirement Category #5: The Physical & Mathematical Universe, or 0.5 FCE approved by the program director.

**Jewish Studies Minor (Arts program)**

There are no specific first-year requirements; however, first-year students are welcome to take CJS200, CJS201, and Hebrew Language courses (MHB155 and MHB156) and Yiddish Language courses (GER260), which count towards the Jewish Studies Minor.

(4 FCEs or their equivalent, including at least 1 FCE at the 300+ level)

1. CJS200H1/CJS201H1
2. 3.5 FCEs in one of the four Jewish Studies areas of concentration, including at least 1 FCE at the 300+ level (see CJS website for the list of available courses for any given year:  
www.cjs.utoronto.ca/undergraduate/courses)

**Jewish Studies Courses by Concentration:**

Please note: For the most up-to-date lists of courses qualifying for each concentration, see the CJS website:  
www.cjs.utoronto.ca/undergraduate/courses

**A: Classical Judaism**

CJS200H1, CJS201H1, CJS390H1, CJS491H1, RLG100Y1, RLG239H1, RLG280Y1, RLG319H1, RLG320H1, RLG326H1, RLG343H1, RLG345H1, RLG346H1, MHB155H1, MHB156H1, MHB256H1, MHB255H1, MHB355H1, MHB356H1, NML220Y1, NML250Y1, NML320H1, NML350H1, NML351H1, NML357H1, NML358H1, NML420Y1, NML450H1, NML451H1, NML452H1, NMC252H1, NMC284H1, NMC360H1, NMC361H1, NMC370Y1, NMC384H1, NMC450H1, NMC484H1

**B: Jewish Philosophy and Thought**

CJS200H1, CJS201H1, CJS383H1, CJS390H1, CJS491H1, GER430H1, MHB155H1, MHB156H1, MHB256H1, MHB255H1, MHB355H1, MHB356H1, RLG100Y1, RLG220H1, RLG221H1, RLG239H1, RLG280Y1, RLG341H1, RLG343H1, RLG345H1, RLG346H1, RLG388H1, RLG434H1, RLG446H1, PHL310H1, PHL322H1, PHL323H1, PHL338H1, PHL370H1, POL381H1, POL421H1, POL430Y1

**C: History and Social Sciences**

ANT426H1, CJS200H1, CJS201H1, CJS220H1, CJS383H1, CJS390H1, CJS491H1, GER362H1, HIS208Y1, HIS301H1, HIS308H1, HIS317H1, HIS361H1, HIS389H1, HIS414H1, HIS431H1, HIS433H1, HIS444H1, HIS451H1, MHB155H1, MHB156H1, MHB256H1, MHB255H1, MHB355H1, MHB356H1, NMC278H1, NMC477H1, POL381H1, POL430Y1, RLG430H1, RLG453H1, SLA202H1, SLA302H1, SOC250Y1, CDN280H1, CDN380H1

**D. Modern Culture, Languages, and Literatures**

ANT426H1, CJS200H1, CJS201H1, CJS220H1, CJS390H1, CJS400H1, CJS491H1, DTS404H1, FAH381H1, ENG375H1, GER260Y1, GER360H1, GER361H1, GER362H1, GER367H1, GER462H1, HIS389H1, MHB155H1, MHB156H1, MHB256H1, MHB255H1, MHB355H1, MHB356H1, NML155H1, NML156H1, NML255H1, NML355H1, NML455H1, NML456H1, RLG430H1, SLA202H1, SLA302H1, SLA303H1, SLA318H1, CDN280H1, CDN380H1

**Centre for Jewish Studies Courses**

**CJS200H1 Introduction to Jewish Thought [24L]**

A balanced presentation of the multifaceted approach to the discipline by treating Jewish religion and thought. The course introduces students not only to a chronological and thematic overview of the subject, but also to different methodological approaches.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**CJS201H1 Introduction to Jewish Culture [24S]**

General introduction to history, literatures and cultures of Jewish people from antiquity to contemporary. A balanced presentation of multi-disciplinary approaches and multi-methodological approaches to Jewish studies, with a special emphasis on Jewish cultural studies and Jewish secularity.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**CJS220H1 The Holocaust in Literature [24S]**

The course examines literary works written in different languages, in ghettos and concentration camps during the Holocaust, as well as those reflecting on the genocide in its aftermath. We focus on literature as a means of engaging with the unimaginable and on the cross analysis of eye-witness and memory writing.

Recommended Preparation: CJS200H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**CJS230H1 God, Nation, and Self Transformed: The Secularization of the Jewish Experience [24S]**

The course provides a theoretical background to the issue of secularization and examines the diverse attempts to define on a secular basis the Jew, the Jewish nation, and the Jewish God since the breakdown of traditional Jewish society. A variety of Jewish secularisms are examined in a larger, non-Jewish context.

Recommended Preparation: CJS200H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**CJS290H1 Topics in Jewish Studies [24L/24T]**

An examination of issues in Jewish Studies. Content in any given year depends on instructor.

Distribution Requirement Status: Humanities

Breadth Requirement: None

**CJS383H1 Jews and Power [24L]**

This course will explore the relationship of Jews to political power. Among the themes to be covered are: How has the relationship of the Jewish community to political authority changed over time? What is the Jewish conception of political authority? How did Jews protect their communal and individual rights in the absence of sovereignty? How did the dynamics of antisemitism, philosemitism, and anti-Jewish violence change over time? How did Zionism and the revival of Jewish sovereignty change the position of Jews in the political order? What are the political and moral dilemmas posed by statehood? And what are the implications of Jewish sovereignty for Jews in the Diaspora?

Prerequisite: POL101Y1 or CJS200H1 or CJS201H1

Exclusion: POL383H1

Distribution Requirement Status: Social Science or TBA

Breadth Requirement: Society and its Institutions (3)

## **CJS389H1 Jewish Secularism and Messianic Thought: From Spinoza to Derrida [24S]**

This course examines the critical role that Messianic thought plays in the emergence of modern Jewish secular thought. A study of the secular dimension of Messianism in the writings of Jewish philosophers, from Spinoza to Derrida, leading to the larger question of its place in the project of Jewish modernity.

Recommended Preparation: CJS200H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **CJS398H1 Independent Study [TBA]**

A scholarly project on an approved topic supervised by a faculty affiliated with the Centre for Jewish Studies.

Prerequisite: CJS200H1 or CJS201H1

Distribution Requirement Status: None

Breadth Requirement: None

## **CJS390H1 Special Topics in Jewish Studies [24L]**

An examination of issues in Jewish Studies. Content in any given year depends on instructor.

Prerequisite: Permission of the instructor/program

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **CJS400H1 Research Seminar in Jewish Studies [24S]**

An interdisciplinary seminar in which Jewish Studies topics are explored intensively, culminating in a major research paper by each student. Not eligible for CR/NCR option.

Prerequisite: JSP200H1; permission of the instructor/program

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **CJS401H1 Community & Identity [24S]**

Exploration of Jewish notions of community, identity, and humanity in classic and contemporary sources as well as through experiential learning in which students are placed in internships at organizations and institutions that identify themselves as Jewish and as serving the Jewish community in the GTA. Not eligible for CR/NCR option.

Prerequisite: CJS200 or CJS201 and at least two other half-courses in Jewish Studies; permission of instructor

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **CJS401Y1 Community & Identity [48S]**

Exploration of Jewish notions of community, identity, and humanity in classic and contemporary sources as well as through experiential learning in which students are placed in internships at organizations and institutions that identify themselves as Jewish and as serving the Jewish community in the GTA. Not eligible for CR/NCR option.

Prerequisite: CJS200Y1 or CJS201Y1 and at least two other half-courses in Jewish Studies; permission of instructor

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **CJS490H1 Advanced Topics in Jewish Studies [24S]**

An in-depth investigation of topics in Jewish Studies. Content in any given year depends on instructor.

Prerequisite: Permission of the instructor/program

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **CJS491H1 Advanced Topics in Jewish Studies [24S]**

An in-depth investigation of topics in Jewish Studies. Content in any given year depends on instructor.

Prerequisite: Permission of the instructor/program

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **CJS498Y1 Independent Study [TBA]**

A scholarly project on an approved topic supervised by a faculty affiliated with the Centre for Jewish Studies. Not eligible for CR/NCR option.

Prerequisite: CJS200H1 and permission of the Centre

Recommended Preparation: CJS400H1

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **CJS499H1 Independent Study [TBA]**

A scholarly project on an approved topic supervised by a faculty affiliated with the Centre for Jewish Studies. Not eligible for CR/NCR option.

Prerequisite: CJS200H1 and permission of the Centre

Recommended Preparation: CJS400H1

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **Jewish Studies Courses Offered by Affiliated Academic Units**

The following is a list of undergraduate courses offered by the academic units affiliated with the Anne Tanenbaum Centre for Jewish Studies.

Courses not appearing below may be considered for credit in a Jewish Studies program with permission of the Undergraduate Director. For up-to-date information, please check the CJS website ([www.cjs.utoronto.ca/undergraduate/courses](http://www.cjs.utoronto.ca/undergraduate/courses)).

### **Department of Anthropology (416-978-4805)**

ANT356H1

Anthropology of Religion

ANT426H1

Other Cultures: The History and Present of an Idea

### **Department of Art (416-946-7624)**

FAH319H1

Illuminated Manuscripts

FAH381H1

Problems in Jewish Art

### **Canadian Studies (University College; 416-978-8153)**

CDN280H1

Canadian Jewish History

CDN380H1

Socio-Cultural Perspective of the Canadian Jewish Community

### **Department of Classics (416-978-4848)**

CLA308H1

Religion in the Greek World

CLA310H1

Religion in the Roman World

### **Centre for Diaspora and Transnational Studies (416-946-8464)**

DTS200Y1

Introduction to Diaspora and Transnational Studies



DTS404H1  
Migration and Translation

**Department of English (416-978-3190)**

ENG434H1  
Cook the Books: Modern Food Literature

**Department of Geography and Planning (416-946-3148)**

GGR358H1  
Geography, Political Economy, and Religion

**Department of Germanic Languages and Literatures (416-926-2324)**

GER260Y1  
Elementary Yiddish

GER261H1  
History of Yiddish Cinema

GER322H1  
Investigating Kafka

GER360H1  
Intermediate Yiddish

GER361H1  
Yiddish Literature and Culture in Translation

GER362H1  
Soviet and Kosher: Jewish Culture in the Soviet Union

GER367H1  
Topics in Yiddish or German Jewish Studies

GER462H1  
Advanced Yiddish

**Department of History (416-978-3363)**

HIS208Y1  
History of the Jewish People

HIS242H1  
Europe in the Twentieth Century

HIS301H1  
Imperial Spain

HIS304H1  
Topics in Middle East History

HIS308H1  
The Mediterranean, 1300-1800

HIS317H1  
Modern Germany 1914 to the Present

HIS336H1  
Medieval Spain

HIS352H1  
Secularism and Strife: Modern Jewish Politics and Culture

HIS353Y1  
Poland: A Crossroads of Europe

HIS361H1  
The Holocaust, from 1942

HIS389Y1  
Zionism and Israel

HIS389H1  
Jews in the Land of Islam

HIS411H1  
Great Trials in History

HIS414H1  
The Third Reich

HIS414H1  
Down and Out in Medieval Europe

HIS431H1  
Gender and the Holocaust

HIS433H1  
Polish Jews Since the Partitions of Poland

HIS437H1  
Telling Lies about Hitler

HIS438H1  
Inquisition and Society in Medieval and Early Modern Europe

HIS444H1  
Topics in Jewish History

HIS450H1  
The Writing of Jewish History.

HIS451H1  
World War II in East Central Europe

HIS496H1  
Filming Zionism and the State of Israel

HIS496H1  
Gender and Jewish History

**Department of Near & Middle Eastern Civilizations (416-978-3180)**

NML155H1  
Elementary Modern Hebrew I

NML156H1  
Elementary Modern Hebrew II

NML220Y1  
Introductory Aramaic

NML250Y1  
Intermediate Biblical Hebrew

NML320H1  
Intermediate Aramaic: Targum

NML350H1  
Wisdom Literature

NML351H1  
History Writings

NML357H1  
Midrash Aggadah

NML358H1  
Mishnah and Tosefta

NML420Y1  
The Jerusalem Talmud

NML450H1  
Advanced Biblical Hebrew Grammar

NML451H1  
Advanced Babylonian Talmud

NML452H1  
Halakhic Midrashim

NML455H1  
Modern Hebrew Poetry

NML456H1  
Modern Hebrew Prose

NML457H1  
Introduction to Comparative Semitics

NMC252H1  
Ancient West Semitic Literature

NMC278H1  
Introduction to the Modern Middle East

NMC284H1  
Judaism and Feminism

NMC351H1  
Dead Sea Scrolls

NMC360H1  
Archaeology of the Biblical World I: The Bronze Age

NMC361H1  
Archaeology of the Biblical World II: The Iron Age

NMC370Y1  
Ancient Israel

NMC384H1  
Life Cycle and Personal Status in Judaism

NMC450H1  
Advanced Biblical Hebrew Grammar

NMC477H1  
Nationalism, Ethnicity and Minority Rights in the Middle East

## **Department of Philosophy (416-978-3311)**

PHL217H1  
Introduction to Continental Philosophy

PHL235H1  
Philosophy of Religion

PHL310H1  
The Rationalists

PHL313H1  
Seventeenth and Eighteenth Century Philosophy

PHL321H1  
Heidegger

PHL322H1  
Contemporary Continental Philosophy

PHL323H1  
Social and Cultural Theory

PHL338H1  
Jewish Philosophy

PHL370H1  
Issues in Philosophy of Law

PHL402H1  
Seminar in Early Modern Philosophy

PHL408H1  
Seminar in Philosophy

PHL410H1  
Concepts of Difference and Alterity

## **Department of Political Science (416-978-3343)**

POL101Y1  
Democracy, Dictatorship, War & Peace

POL381H1  
Topics in Political Theory

POL407Y1  
Politics of Origins

POL421H1  
Maimonides and His Modern Interpreters

POL430Y1  
Comparative Studies in Jewish and Non- Jewish Political Thought

POL479H1  
Topics in Middle East Politics

## **Jointly Offered by Politics and Religion**

JPR364Y1Y  
Religion and Politics

JPR419H1  
Religion and the Secular

JPR457H1  
Democracy and the Secular

## **Department for the Study of Religion (416-978-2395)**

MHB155H1  
Elementary Modern Hebrew I

MHB156H1  
Elementary Modern Hebrew II

MHB255H1  
Intermediate Modern Hebrew I

MHB256H1  
Intermediate Modern Hebrew II

MHB355H1  
Advanced Hebrew I

MHB356H1  
Advanced Hebrew II

RLG100Y1  
Religions East and West

RLG202Y1  
The Jewish Religious Tradition

RLG210Y1Y  
Introduction to the Sociology of Religion

RLG213H1  
Reading Sacred Texts

RLG220H1

## Philosophical Responses to the Holocaust

RLG221H1

Religious Ethics: The Jewish Tradition

RLG239H1

Special Topics: Jewish and Christian Polemics

RLG280Y1

World Religions: A Comparative Study

RLG319H1

Reconception of Biblical Figures in Early Jewish and Christian Sources

RLG320H1

Judaism and Christianity in the Second Century

RLG326H1

Judaism and the Roots of Christianity

RLG327H1

Magic and Miracle in Early Christianity

RLG340Y1

Classical Jewish Theology

RLG341H1

Dreaming of Zion: Exile and Return in Jewish Thought

RLG342Y1

Judaism in the Modern Age

RLG343H1

Kabbalah: A History of Mystical Thought in Judaism

RLG344H1

Antisemitism

RLG345H1

Social Ecology and Judaism

RLG346H1

Time and Place in Judaism

RLG 384H1F Pluralism and Dialogue

RLG388H1

Special Topics: Kabbalah and Modernity

RLG389H1

Special Topics

RLG389H1

Talmud and the Art of Reading

RLG411H1

ruth, Religion, and the Public Sphere

RLG433H1

Maimonides and His Modern Interpreters

RLG430H1

Advanced Topics in Judaism

RLG434H1

Modern Jewish Thought

RLG451H1

The Parables of Jesus

RLG453H1

Christianity and Judaism in Colonial Context

## Department of Slavic Languages and Literatures (416-926-2075)

SLA103H1

Golems and Robots on Stage and on Screen

SLA202H1

Jewish Communities in Slavic Countries

SLA302H1

The Imaginary Jew

SLA303H1

Literary Imagination and Jewish Identity in Modern Europe

SLA318H1

Kyiv-Kiev-Kijow: A City through Cultures and Centuries

SLA325H1

Magic Prague

## Department of Sociology (416-978-3412)

SOC250Y1

Sociology of Religion

SOC341Y1

The Jewish Community in Europe and North America

SOC397H1

Jews: The Making of a Diaspora People

## St. Michael's College (416-926-1300)

SMC175H1

Mediaeval Civilization

SMC397H1

Religion, Media and Culture

SMC458H1

Historiographies of Religion

## Victoria College (416-585-4508)

VIC204H1

Canons and Canonicity

VIC401H1

Derrida, the German, the Jew

# Joint Courses

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## Joint Courses

These courses are sponsored by more than one department, college, or program office. For full course descriptions, check the department/sponsor entry that is referred to after each course title.

These listings include sponsor and course title only.

EHJ352H1 Evolution of the Human Genome [24L, 12T]  
See Ecology & Evolutionary Biology or Human Biology

HAA453H1 AIDS: A Global Perspective [6L, 18S]  
See Human Biology

IVP210H1 Holography for 3D Visualization [24L, 54P]  
See Physics, Victoria College or Impact Centre

JAH391H1 [24S] Topics in Anthropology and History  
See Anthropology or History

JAH391Y0 [48S] Topics in Anthropology and History  
See Anthropology or History

JAL328H1 Writing Systems [24L]  
See Anthropology or Linguistics.

JAL353H1 Conversational Structures [46L]  
See Anthropology or Linguistics

JAL355H1 Language and Gender [24L]  
See Anthropology or Linguistics

JAL401H1 Field Linguistics [48P]  
See Anthropology or Linguistics

JDC400Y1 Redefining Security Through Art [48L]  
See Drama and Comparative Literature

JDC410H1 New Approaches to Theatre History [48L]  
See Drama and Comparative Literature

JEE337H1 Human Interactions with the Environment [48L/12P]  
See Earth Sciences or School of the Environment

JEH455H1 Current Issues in Environment and Health [16L/8S]  
See Human Biology or School of the Environment

JEI206H1 Writing English Essays [24L/12T]  
See English and Innis College

JFG470H1 Forest Management [24L]  
See Geography or Forest Conservation

JFG475H1 Forest Fire Management Systems [24L]  
See Geography or Forest Conservation

JFL477H1 Issues in French and Linguistics I: Neurolinguistics [24S]  
See French or Linguistics

JFL478H1 Issues in French and Linguistics II [24S]  
See French or Linguistics

JFP450H1 First Nations Issues in Health and Healing [24L]  
See Aboriginal Studies

JFV323H1 Semiotics and Literature I [24S]  
See French or Victoria College

JGA305H1 Environmental and Archaeological Geophysics [24L/12P]  
See Archaeology or Earth Science

JGE321H1 Multicultural Perspectives on Environmental Management

[24L]  
See Geography or School of the Environment.

JGE331H1 Resource and Environmental Theory (formerly GGR331H1)  
[24L]  
See Geography or School of the Environment

JGI216H1 Urbanization & Global Change [24L]  
See Geography or Innis College

JGI346H1 The Urban Planning Process [24L]  
See Geography or Innis College.

JGI450Y1 Planning for Change: Community Development in Practice  
[48S]  
See Geography or Innis College.

JGI454H1 The Role of the Planner: Making a Difference [24L]  
See Geography or Innis College.

JGJ360H1 Holocaust in Literature [24S]  
See German or Centre for Jewish Studies

JHA384H1 Japan in the World, mid-16th to mid-20th century [24L]  
See Contemporary Asian Studies or History

JHA394H1 The Asia Pacific War [24L]  
See Contemporary Asian Studies or History

JHE353H1 History of Evolutionary Biology [24L, 10T]  
See Ecology & Evolutionary Biology or History and Philosophy of  
Science & Technology

JHE355H1 History and Philosophy of Evolutionary Biology II [24L, 10T]  
See Ecology & Evolutionary Biology or History and Philosophy of  
Science & Technology

JHN323H1 Indigeneity in the Caribbean [24L]  
See New College or History

JHP304Y1 Ukraine: Politics, Economy and Society [48L]  
See History or Political Science.

JHP451Y1 The People from Nowhere [48S]  
See History or Political Science

JHP454Y1 Twentieth Century Ukraine [48S]  
See History or Political Science

JLN327H1 Regional Perspectives on the Hispanic Caribbean [24L]  
See New College

JLN427H1 Advanced Topics: The Hispanic Caribbean (formerly  
NEW427H1) [24S]  
See New College

JLP315H1 Language Acquisition [36L]  
See Linguistics or Psychology.

JLP374H1 Psychology of Language [36L]  
See Linguistics and Psychology.

JLP471H1 Advanced Psycholinguistics [24S]  
See Linguistics or Psychology

JLS472H1 Child Language Disorders [36L]  
See Linguistics

JLS473H1 Adult Language Disorders [36L]  
See Linguistics

JLS474H1 Disorders of Speech and Language [36L]

- See Linguistics
- JLS475H1 Literacy and Reading Disorders [36L]  
See Linguistics
- JLS476H1 Research and Service Learning in Communication Sciences and Disorders [36S]  
See Linguistics
- JMB170Y1 Biology, Models, and Mathematics [48L/24T]  
See Ecology & Evolutionary Biology or Mathematics.
- JNH350H1 AIDS: Challenges and Successes (formerly NEW350H1) [24L]  
See Human Biology or New College
- JPA331Y1 Issues in Contemporary Chinese Politics [48L]  
See Political Science or Contemporary Asian Studies
- JPA376Y0 Transforming Global Politics: Comparative and Chinese Perspectives (formerly POL376Y1) [48L]  
See Political Science or Contemporary Asian Studies
- JPA410H1 Democracy and Identity in Asia (formerly ASI410H1) [24S]  
See Contemporary Asian Studies or Political Science
- JPA411H1 The Political Economy of Global Taiwan [24S]  
See Contemporary Asian Studies and Political Science
- JPD439Y1 Post-Modern and Contemporary Thought [48S]  
See Political Science or Sociology
- JPE395H1 Physics of the Earth (formerly PHY395H1) [24L]  
See Earth Sciences or Physics
- JPE493H1 Seismology (formerly PHY493H1) [24L]  
See Earth Sciences or Physics
- JPF455Y1 Cities [48S]  
See Political Science
- JPH311H1 History of Physics [24L/10T]  
See Physics or History & Philosophy of Science & Technology
- JPH441H1 Physical Science in Contemporary Society (formerly PHY341H1) [24S]  
See Physics or History & Philosophy of Science & Technology.
- JPJ421H1 Comparative Constitutionalism: Rights and Judicial Review [48S]  
See Political Science
- JPP343H1 Women in Western Political Thought [24L]  
See Philosophy or Political Science
- JPR364Y1 Religion and Politics (formerly POL364H/Y1) [48L]  
See Political Science or Religion
- JPR374H1 Religion and Power in the Postcolony [24L]  
See Political Science or Religion
- JPR419H1 Secularism and Religion (formerly RLG419H1) [24S]  
See Political Science or Religion
- JPR458H1 Postsecular Political Thought: Religion, Radicalism and the Limits of Liberalism [24S]  
See Political Science or Religion
- JPU315H1 Sexual Diversity Politics (formerly POL315H1) [24L]  
See Political Science or Sexual Diversity Studies
- JQR360H1 The Canadian Census: Populations, Migrations and Demographics [24L]  
See Diaspora and Transnational Studies, Latin American Studies or New College
- JRA401H1 Topics in Comparative Politics V [24S]  
See European Studies or Political Science
- JRA401Y1 Topics in Comparative Politics V [48S]  
See European Studies or Political Science
- JRA402H1 Topics in Comparative Politics VI [24S]  
See European Studies or Political Science
- JRA437H1 Government, Law and Politics in Russia (formerly POL437H1) [24S]  
See European Studies or Political Science
- JSC301H1 Principles and Practices in Science Education [24L]  
See Chemistry
- JSH300H1 Literature and History in Russia [24L]  
See History or Slavic Languages and Literatures
- JSU237H1 Introduction to HIV/AIDS: Health, Sexuality and Gender (formerly UNI237H1) [24L]  
See Sexual Diversity Studies or University College
- JSU325H1 Queerly Canadian (formerly UNI325H1) [36L]  
See Sexual Diversity Studies or University College
- JSV200H1 Communication and Conflict Resolution in Education [24L]  
See St. Michael's College or Victoria College
- JSV201H1 Child and Adolescent Development in Education (formerly SMC272H1, VIC261H1) [36L]  
See St. Michael's College or Victoria College
- JSV202H1 Equity and Diversity in Education (formerly SMC271H1, VIC260H1) [36L]  
See St. Michael's College or Victoria College
- JUG320H1 The Canadian Wilderness [24L]  
See Geography or University College
- JUM202H1 Mathematics as an Interdisciplinary Pursuit [24L/12T]  
See University College or Mathematics
- JUM203H1 Mathematics as a Recreation [24L/12T]  
See University College or Mathematics
- JUM205H1 Mathematical Personalities [24L/12T]  
See University College or Mathematics
- MIJ485H1 Vaccines and Immunity (formerly MGY485H1) [36L]  
See Molecular Genetics and Microbiology or Immunology

## Kinesiology & Physical Education Courses

### **KPE110H1 Active Healthy Living [24L/12P]**

This course increases student awareness of issues related to a healthy lifestyle and to the role of physical activity in promoting health across the lifespan. Important concepts in anatomy, physiology and nutrition are introduced, and the whole body benefits of physical activity are emphasized. Personal nutrition and lifestyle practices are examined and self-improvement plans developed. First class is mandatory. Full participation in physical activities including aquatics is required. Not offered in 2015-2016.

(This course is particularly suitable as a Science Distribution course for students in the Humanities and Social Sciences)

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

G. Schmitt-Ulms, DNS

## Faculty

### Professor and Chair of the Department

A.I. Gotlieb, MDCM (Professor Emeritus and Acting Chair)

### Professors

K. Adeli, PhD  
S.L. Asa, MD, PhD  
B. Bapat, PhD  
M. Bendeck, PhD  
C. Bergeron MD  
J. Butany, PhD  
D.E.C. Cole, MD, PhD  
M. Cybulsky, MD  
E.P. Diamandis, MD, PhD  
M.D. Grynepas, PhD  
P. Hamel, PhD  
R.G. Hegele, MD, PhD  
A. Hinek, PhD  
D.M. Irwin, PhD  
S. Jothy, MD, PhD  
S. Kamel-Reid, PhD  
R. Kandel, MD  
F.W. Keeley, PhD  
G.A. Levy, MD  
C.A. Lingwood, PhD  
D. Mahuran, PhD  
P.A. Marsden, MD  
T. Mazzuli, MD  
A. McGeer, MD  
C. McKerlie, DVM, DVSc  
J. McLaurin, PhD  
H. Ni, MD, PhD  
M. Ohh, PhD  
M. Opas, PhD  
M. Pollanen, PhD, MD  
J. Prud'homme, MD  
S. Richardson, MD  
A. Seth, PhD  
P. Shek, PhD  
A.E.M. Simor, MD  
B. Strauss, MD, PhD  
D.M. Templeton, PhD, MD  
P. Thorner, MD, PhD  
M.S. Tsao, MD  
G.A. Wilson, MD  
B. Yang, PhD  
H. Yeger, PhD  
G. Yousef, MD, PhD  
L. Zhang, PhD  
M. Zielenska, PhD

### Associate Professors

I. Aubert, PhD  
H.P. Elsholtz, PhD  
S. Girardin, PhD  
D. Hwang, PhD, MD  
J. Lee, PhD  
K. Mekhail, PhD  
J. Mogridge, PhD  
J. Robertson, PhD  
M. Rozakis-Adcock, PhD

### Assistant Professors

J. Fish, PhD  
L. Fu, PhD  
P. Yip, PhD

## Introduction

The Department of Laboratory Medicine and Pathobiology provides a bridge between the basic sciences and medicine. Investigating the molecular mechanisms of disease is an important priority of the department. Faculty are concerned with the biochemical changes that may be associated with cell and tissue injury and with the etiology, pathogenesis and behaviour of disease. Research is carried out in such areas as cardiovascular disease, immunopathobiology, neuropathology, endocrinology and metabolism, neoplasia, bone and connective tissue disease, clinical and molecular epidemiology, antibiotic resistance, and molecular pathogenesis of infectious disease.

The Pathobiology Specialist program gives students a broad understanding of contemporary medical research and basic scientific insights that have revolutionized our understanding of disease in recent years. Aspects of biochemistry, chemistry, cellular and molecular biology, and genetics are brought to bear upon human pathology. Graduates from the program will frequently pursue graduate studies in medical research and eventual research careers in academic, industrial, pharmaceutical, or governmental laboratories. A knowledge of cellular and molecular mechanisms of disease processes is also useful in a wide variety of multidisciplinary careers in government, regulatory agencies, law, and environment.

Undergraduate Secretary: Prof. D.M. Templeton  
([doug.templeton@utoronto.ca](mailto:doug.templeton@utoronto.ca))

Undergraduate Office/General inquiries: Teresa Trimboli, Medical Sciences Building, Rm. 6209, (416-946-7459;  
[teresa.trimboli@utoronto.ca](mailto:teresa.trimboli@utoronto.ca))

More information is available on our website:  
<http://www.lmp.utoronto.ca/>

Course Coordinators:

LMP300Y1: Dr. D.M. Templeton (416-978-3972)  
LMP301H1: Dr. L. Fu (416-323-6400 ext 4427) / Dr. P. Yip (416-340-4800)  
LMP363H1: Dr. B. Bapat (416-586-4800)  
LMP365H1: Dr. M. Ohh (416-946-7922)  
LMP402H1: Dr. M. Cybulsky (416-581-7483) / Dr. J. Mogridge (416-946-8095)  
LMP403H1: Dr. O. Adeyi (416-340-3136) / Dr. H. Ni (416-864-6060 ext 6758)  
LMP405Y1: Dr. H. Yeger (416-813-5958)  
LMP406H1: Dr. M. Bendeck (416-946-7133)  
LMP408H1: Dr. K. Mekhail (416-946-8132)  
LMP410H1: Dr. J. McLaurin (416-978-1035)  
LMP415H1: Dr. M. Pollanen (416-314-4040)  
LMP436H1: Dr. S. Girardin (416-978-7507)

## Laboratory Medicine and Pathobiology Programs

# Laboratory Medicine and Pathobiology

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## Pathobiology Specialist (Science program)

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's marks in the 3.0 required first-year courses:

BIO120H1, BIO130H1, (CHM135H1, CHM136H1)/CHM151Y1;  
(MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1.

Note: Students must apply to this program on the Arts & Science Faculty Registrar's Office website (see the Arts & Science Program Enrolment web site for application procedures) from early April to mid-May. At later times, contact the LMP Undergraduate Office.

(13.5 full courses or their equivalent, including at least two 400-series courses)

First Year:

(BIO120H1, BIO130H1); (CHM135H1, CHM136H1)/CHM151Y1;  
(MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1

First or Second Year:

(PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

Second Year:

BCH210H1; BIO230H1; BIO260H1/HMB265H1; CHM220H1;  
CHM247H1/CHM249H1; PSL300H1; PSL301H1; STA220H1/BIO220H1

Third Year:

BCH370H1; BCH311H1/CSB349H1;(IMM340H1,  
IMM350H1)/(IMM341H1, IMM351H1)/(MGY377H1, MGY378H1);  
LMP300Y1; LMP365H1

Fourth Year:

At least 4 of LMP402H1, LMP403H1, LMP405Y1, LMP406H1,  
LMP408H1, LMP410H1, LMP415H1, LMP436H1 (Note: If the research  
project LMP405Y1 is taken, three additional courses from the list are still  
required.)

## Laboratory Medicine and Pathobiology Courses

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### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### LMP299Y1 Research Opportunity Program

Credit course for supervised participation in faculty research project.  
Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: None

### LMP300Y1 Introduction to Pathobiology [42L/6P]

Concepts in pathogenesis; cell injury and death; tissue structure, wound healing; repair and fibrosis. Molecular basis of major organ system pathology. The laboratory examines gross anatomical specimens and introduces histopathology. Enrolment is limited to students specializing in pathobiology who have completed the first and second year requirements of the program.

Exclusion: LMP301H1, LMP363H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

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### LMP301H1 Introduction to the Biochemistry of Human Disease [24L]

Introduces concepts and mechanisms of disease processes as they arise from disturbances of normal biochemical and physiological functions. The rational use of the clinical biochemistry laboratory in the diagnosis and management of disease is explained. Not intended for students in the Pathobiology Specialist program.

Prerequisite: BCH210H1/BCH242Y1

Exclusion: LMP300Y1

Recommended Preparation: PSL201Y1/300H1/301H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### LMP363H1 Principles of Pathobiology [24L]

Pathological changes brought on by foreign compounds; applications of pathology to the detection of toxic carcinogenic actions.

Prerequisite: BIO230H, CHM247H1/CHM249H1

Exclusion: LMP300Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### LMP365H1 Neoplasia [20L/4P]

A general introduction to the cellular and molecular aspects of cancer and its etiology. The laboratory component presents the range of benign and malignant tumor types at the gross and histological levels.

Pathophysiology of cancer, invasion and metastases, role of the immune system.

Corequisite: LMP300Y1 or permission of department

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### LMP402H1 Inflammation and Infection [24L]

Mechanisms that allow microbial pathogens to cause disease and the host to detect infection, mount an inflammatory response and resolve the infection. Primary research articles are discussed. Topics include commensal bacteria, bacterial toxins, pattern recognition receptors, leukocyte emigration, chemotaxis, and the role of non-coding RNAs in immunity.

Prerequisite: (IMM340H1, IMM350H1)/(IMM341H1,  
IMM351H1)/(MGY377H1, MGY378H1)

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### LMP403H1 Immunopathology [24L]

The immune system in disease. Responses of the immune system to host invasion, injurious stimuli, and transplantation. Immunopathology of organ-specific diseases including pancreas, gut, liver, heart, kidney, and blood. Intended for students specializing in pathobiology or related programs.

Prerequisite: (IMM340H1, IMM350H1)/(IMM341H1, IMM351H1)

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### LMP405Y1 Project in Pathobiology [154P]

A self-contained research project to be completed under the supervision of a faculty member. The main areas of research are as listed in the description of the Department (above). The student will normally have completed three full years of study, and is expected to devote at least one full day per week to the project. Admission is by arrangement with the Department and with a particular supervisor. A list of potential supervisors is available from the Departmental Office and on our web site. Not eligible for CR/NCR option.

Prerequisite: BCH210H1/BCH242Y1,



LMP300Y1/LMP363H1/LMP365H1 and permission of department  
Distribution Requirement Status: Science  
Breadth Requirement: Living Things and Their Environment (4)

## **LMP406H1 Pathobiology of the Cardiovascular System [24L]**

Pathobiology of the heart, blood vessels, and lymphatic system. Congenital diseases of the heart, ischemic injury, stroke. Treatments of vascular disease and cardiovascular biomaterials. Major focus on atherosclerosis and hypertension. The emphasis is on the underlying cell biology of these processes.

Prerequisite: (PSL300H1, PSL301H1)/PSL302Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **LMP408H1 Genetic modelling of human development and disease [24L]**

Introduces use of genetic model systems and organisms in exploring aspects of human reproduction, development, and disease. A major focus is on the impact of the genetic models on understanding human health, and disease. Ethical issues in animal research, genetic manipulation, and disease modeling are highlighted

Prerequisite: LMP300Y1/BIO260H1/HMB265H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **LMP410H1 Pathobiology of Neurodegenerative Disease [24L]**

Molecular basis of neurodegenerative diseases of the central and peripheral nervous systems. Relevant neuroanatomy and molecular biology of the CNS. Current research topics in neurodegenerative diseases.

Prerequisite: (BIO240H1, BIO241H1)/BIO255Y1/(PSL300H1, PSL301H1)/PSL302Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **LMP415H1 Forensic Pathobiology [24L]**

A thematic review of the major scientific areas and research controversies in forensic medicine. The approach is mechanistic analysis and evidence-based medicine. Classical forensic medicine is critically analyzed with emphasis on experimental methods to resolve controversies. We also explore how the justice system utilizes medical and scientific data.

Prerequisite: LMP300Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **LMP436H1 Microbial Pathogenesis [36L]**

Molecular mechanism involved in pathogenesis of infectious disease. Topics include recurrent themes in the establishment of infectious disease, such as adherence and spread of pathogenic bacteria as well as evasion of host defences. Emphasis is placed on genetic characterization and expression of virulence determinants and on interactions between bacterial pathogens and their hosts.

Prerequisite: BCH210H1/BCH242Y1, IMM340H1/IMM350H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## Faculty

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### Professors

Anne-Emanuelle Birn (International Development & Public Health)  
Courtney Jung (Political Science)  
Judith Teichman (Political Science)  
Ana Teresa Pérez-Leroux (Spanish and Portuguese)  
Rosa Sarabia (Spanish and Portuguese)  
Laura Colantoni (Spanish and Portuguese)  
Jeffrey M. Pilcher (History)

### Associate Professors

Gustavo J. Bobonis (Economics)  
Ana María Bejarano (Political Science)  
Patricia Landolt (Sociology)  
María Cristina Cuervo (Spanish and Portuguese)  
Eva-Lynn Jagoe (Spanish and Portuguese, Centre for Comparative Literature)  
Valentina Napolitano (Anthropology)  
Néstor E. Rodríguez (Spanish and Portuguese)  
Mariana Mota Prado (Law)  
Rubén Gaztambide-Fernández (OISE)  
Susan Antebi (Spanish and Portuguese)  
Gustavo Indart (Economics)  
Melanie J. Newton (History)

### Assistant Professors

Christopher Krupa (Anthropology)  
Lena Mortensen (Anthropology)  
Alejandro Paz (Anthropology)  
Edward R. Swenson (Anthropology)  
Christian Abizaid (Geography & Centre for the Environment)  
Kevin Coleman (Historical Studies)  
Ryan Isakson (International Development)  
Luisa Farah Schwartzman (Sociology)  
Luis van Isschot (History)  
Jeff Packman (Music History and Culture)  
Sharlene Mollet (Critical Development Studies & Human Geography)  
Jason Dyck (History)

### Senior Lecturer

Manuel Ramírez (Spanish and Portuguese)

### Sessional Lecturers

Bernardo García Domínguez (Latin American Studies & New College)  
Juan P. Marsiaj (Latin American Studies)  
V́ctor R. Rivas (Latin American Studies)  
Ramón Antonio (Arturo) Victoriano (Language Studies)  
Donald Kingsbury (Political Science & Latin American Studies)

### Professors Emeriti

Albert Berry (Economics)  
Jock Galloway (Geography)  
Peter Blanchard (History)  
Ricardo Sternberg (Spanish and Portuguese)

## Introduction

The Latin American Studies program at the University of Toronto provides students in the social sciences and humanities an opportunity to engage and deepen their understanding of Latin American regions, their histories, politics, cultures, economies and societies. Courses encourage students to situate both their special interests and the contemporary debates in fields such as anthropology, political science, geography, literature, history, or sociology within a broader interdisciplinary framework, while at the same time committing themselves to an understanding of the historical, cultural and political experiences of Spanish and Portuguese America. Through an engagement with different texts and faculty expertise, this program trains students in current themes such as postcolonial thinking, critical readings of colonial histories, literary and anthropological genres, comparative politics, politics of indigeneity and human rights, as well as in environmental policies and political economy of Latin America and the Americas as a transnational whole. With the possibility to carry out curricula experience in Latin America and internship stages in Canada, this program also offers an important lead for career development experiences on Latin America. This knowledge is increasingly necessary for Canada, as the country enters into new trade, political, environmental, and academic agreements with our emerging hemispheric partners.

Students seeking counselling and information should visit the LAS website: <http://las.utoronto.ca> and/or contact the Program Coordinator at [las.coord@utoronto.ca](mailto:las.coord@utoronto.ca)

## Latin American Studies Programs

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### Latin American Studies Major (Arts program)

There are no specific first-year requirements. However, first-year students are encouraged to take a Spanish or Portuguese language course (SPA100Y1, SPA219Y1, SPA220Y1, SPA320Y1, PRT100Y1, PRT110Y1, PRT219Y1, or PRT220Y1), which counts towards the Latin American Studies Major.

(7 FCEs or equivalent. Includes a minimum of 2 FCEs at the 300+-level, at least 0.5 FCE of which must be at the 400-level.)

A. Course work: Students must successfully complete seven full courses or their equivalents sponsored or approved by LAS, as well as satisfy the requirements of their departmental specialization.

Of the required courses:

1. LAS200H1 and LAS201H1 (previously LAS200Y1).
2. LAS300H1 or LAS301H1. Please note that if the subject matter and/or instructor has changed, it will be possible to take, and be credited for, LAS300H1 or LAS301H1 more than once.
3. JQR360H1 or an alternative, but similar, 0.5 FCE course on a combination of quantitative and qualitative reasoning / research design can be taken in consultation with LAS administration.
4. LAS400H1, LAS401H1, or an equivalent 0.5 FCE fourth year-level course, approved by LAS administration.

B. Language: Students must successfully complete (with a minimum grade of 65%) at least the second level of language instruction in Spanish or Portuguese by the end of the third year of study (SPA220Y1 or PRT220Y1). Spanish Heritage speakers must successfully complete (with a grade of at least 65%) SPA219Y1 (previously SPA319Y1), as this course is considered an equivalent of SPA220Y1. Portuguese Heritage speakers must successfully complete (with a minimum grade of 65%) PRT219Y1, as this course is considered an equivalent of PRT220Y1.

Students can also demonstrate equivalent proficiency in the given language through completion of 1 FCE of Spanish and/or Portuguese courses in Latin American topics as approved by LAS administration at a second-year level of instruction or higher.

## Latin American Studies Minor (Arts program)

There are no specific first-year requirements. However, first-year students are welcome to take a Spanish or Portuguese language course (SPA100Y1, SPA219Y1, SPA220Y1, SPA320Y1, PRT100Y1, PRT110Y1, PRT219Y1, or PRT220Y1), which counts towards the Latin American Studies Minor.

(4 FCEs or their equivalent, including LAS200H1, LAS201H1, and at least one full course at the 300+ level.)

1. LAS200H1 and LAS201H1 (previously LAS200Y1).
2. LAS300H1 or LAS301H1.
3. 2.5 FCEs chosen from LAS courses of the list of approved courses eligible for programme credit. A minimum of 0.5 FCE must be from the Social Sciences; another 0.5 FCE must be from the Humanities. (LAS300H1 can be used to cover the Social Science requirement and LAS301H1, towards the Humanities requirement).

Spanish or Portuguese language study is recommended, but not a requirement.

## Courses eligible for programme credit

The following is a list of undergraduate courses offered by academic units affiliated with LAS. Courses not appearing below may be considered for credit in a Latin American Studies program with permission of the Director. For up-to-date information on this list, please check our website: <http://las.utoronto.ca>

Students are responsible for checking the co- and prerequisites for all courses in this list. For updates on courses being offered by affiliated units, please check individual departmental websites.

### Anthropology

ANT316H1 Ancient Cultures of Mesoamerica  
 ANT320H1 Ancient Cultures of the Andes  
 ANT340H1 Anthropology of Latin America  
 ANT407H1 Inka and Aztec States

### Diaspora and Transnational Studies

DTS200Y1 Introduction to Diaspora and Transnational Studies  
 DTS300H1 Research Design for Diaspora and Transnational Studies

### Economics

ECO324H1 Economic Development  
 ECO403H1 Topics in Development Economics and Policy

### Forest Conservation

FOR201H1 Conservation of Tropical and Subtropical Forests

### Geography

GGR101H1 Ancient Civilizations and their Environments  
 GGR216H1 Global Cities

GGR341H1 Changing Geography of Latin America

JGE321H1 Multicultural Perspectives on the Environment

### History

HIS291H1 Latin America: The Colonial Period (previously HIS291Y1)  
 HIS292H1 Latin America: The National Period (previously HIS292Y1)  
 HIS294Y1 Caribbean History and Culture: Indigenous Era to 1886

HIS301Y1 Imperial Spain  
 HIS333Y1 Revolution in 20<sup>th</sup> Century Latin America  
 HIS359H1 Regional Politics and Radical Movements in the 20th Century Caribbean  
 HIS390Y1 Latin America in the Age of Revolution

### Music

MUS305H1 Latin American and Caribbean Music

### New College Caribbean Studies

NEW120Y

NEW220H

NEW221H

NEW223Y1 Caribbean Literature and Society

NEW324Y1 Caribbean Thought II

JLN327H1 Regional Perspectives on the Hispanic Caribbean

JLN427H1 Advanced Topics: The Hispanic Caribbean

JQR360H1 The Canadian Census: Populations, Migrations and Demographics

### Political Science

POL305Y1 Politics and Society in Latin America

POL442H1 Topics in Latin American Politics

### Portuguese

PRT100Y1 Beginners Portuguese  
 PRT110Y1 Elementary Portuguese  
 PRT220Y1 Intermediate Portuguese  
 PRT255H1 The Brazilian Puzzle: Culture and Identity  
 PRT258H1 Introduction to Luso-Brazilian Studies  
 PRT320Y1 Composition and Oral Practice  
 PRT351H1 Literature and the Age of Discovery (formerly PRT351Y1)  
 PRT355H1 Topics in Brazilian Studies  
 PRT357H1 Modern and Contemporary Brazilian Literature  
 PRT358H1 Transatlantic Africa and Brazil  
 PRT365H1 The Rise of Modern Identity  
 PRT443H1 Machado de Assis: The Creation of the Modern Self (formerly PRT342H1/PRT455Y1)  
 PRT454Y1 The Luso-Brazilian Identity  
 PRT458H1 The Luso-Brazilian Short Story

### St. Michael's College, Christianity and Culture

SMC207H1 Christianity in Latin America

### Spanish

SPA100Y1 Spanish for Beginners  
 SPA219Y1 Spanish for Bilingual and Native Speakers (previously SPA319Y1)  
 SPA220Y1 Intermediate Spanish  
 SPA258H1 Introduction to Hispanic Literary Studies  
 SPA259H1 Introduction to Hispanic Cultural Studies  
 SPA320Y1 Advanced Spanish  
 SPA326H1 Latin American Varieties of Spanish Through the Media  
 SPA375H1 Latin American Cinema  
 SPA381H1 Nation, Identity and Literary Modernism in Spanish-America  
 SPA382H1 Spanish American Women in Art, Film and Literature  
 SPA384H1 Avant-Garde Movements in Spanish America  
 SPA385H1 Literature and Social Change in Spanish America  
 SPA386H1 Literary Landscapes of the Mexican Revolution  
 SPA387H0 Contemporary Mexican Literature  
 SPA422H1 Sociolinguistics of Spanish

# Latin American Studies

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SPA467H1 Topics in Spanish-American Culture  
SPA468H1 Topics in Modern Spanish-American Literature  
SPA471H1 The Historical Novel in Spanish America  
SPA480H1 Theories of Culture in Latin America  
SPA482H1 20th Century Spanish American Narrative  
SPA486H1 Contemporary Caribbean Literatures and Identities  
SPA487H1 The Culture of Revolution  
SPA488H1 Central America Postwar Narrative

## UTM Courses

FAH356H5 Colonial Latin American Art and Architecture  
GGR369H5 The Changing Geographies of Latin America  
HIS290H5 Introduction to Latin American History  
HIS330H5 Politics and Political Change in Latin America  
HIS345H5 Popular Culture in Latin America  
HIS390H5 Revolutions and Nations in Latin America  
HIS391H5 Mexico from Aztec to Zapatista  
HIS454H5 Race, Gender and Nation in Modern Latin America  
HIS490H5 Religion and Society in Latin America  
POL438Y5 Topics in Comparative Politics: Latin America  
SOC332H5 Race and Ethnicity 1  
SPA100Y5 Spanish for Beginners  
SPA220Y5 Intermediate Spanish  
SPA259H5 Introduction to Hispanic Culture  
SPA320Y5 Advanced Spanish

## UTSC Courses

ANTB18H3 Development, Inequality and Social Change in Latin America  
HISC38H3 Mexico Through American Eyes  
HISD08H3 Borderlands and Beyond: Thinking About a North American History  
LGGA30H3 Introductory Spanish I  
LGGA31H3 Introductory Spanish II  
LGGB32H3 Intermediate Spanish I  
LGGB33H3 Intermediate Spanish II  
LGGC30H3 Advanced Spanish: Language, Culture and Literature  
POLB90H3 Comparative Development in International Perspective  
POLB91H3 Comparative Development in Political Perspective  
POLC90H3 Development Studies: Political and Historical Perspectives  
POLC91H3 Latin America: Dictatorship and Democracy  
POLC94H3 Globalization, Gender and Development  
POLC99H3 Latin America: The Politics of the Dispossessed

## Latin American Studies Courses

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### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### LAS200H1 Latin America: History, Civilization and Culture- 19th Century [Formerly LAS200Y1] [24L/12T]

An introductory course studying the development of Latin American societies from their precolumbian past to the 19<sup>th</sup> century building of modern nations. Cultural, historical, political, and social topics are examined combining historical documents with art, music and other texts from popular culture.

Exclusion: IAS200Y1, LAS200Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### LAS201H1 Latin American History, Civilization, and Culture: 20th Century - Present. [Formerly LAS200Y1] [24L/12T]

An introductory course studying the development of Latin American societies from the 20<sup>th</sup> century to the present. Cultural, historical, political, and social topics are examined combining historical documents with art, music and other texts from popular culture.

Exclusion: IAS200Y1 and LAS200Y1

Recommended Preparation: LAS200H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

### LAS300H1 Topics in the Social Sciences [24S]

The goal of this course is to critically analyze the current economic, social, and political realities of Latin America, based on an insightful knowledge of its past and present. Topics of the course vary depending on the needs of the program and the interests of students.

Prerequisite: IAS200Y1/LAS200Y1/(LAS200H1, 201H1)/POL305Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### LAS301H1 Topics in the Humanities [24S]

The goal of this course is to critically analyze the Latin American social imaginaries as expressed in art, literature and/or film, based on close readings of texts. Topics of the course vary depending on the needs of the program and the interests of students.

Prerequisite: IAS200Y1/LAS200Y1/LAS201H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### LAS302H1 Topics in Latin American Studies (The Hispanic Caribbean) [24S]

This interdisciplinary course examines Cuba's relevance and legacy from the mid-nineteenth century to the present. It explores tensions of Cuban life in counterpoint with its creative rendering in the arts and literature, through a variety of fresh approaches in fields such as cultural studies, historical sociology, anthropology, and sociology of religion.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

### JQR360H1 The Canadian Census: Populations, Migrations and Demographics [24L/12T]

Examines the Canadian population census through the experience of diasporic groups in Canada. Approaches the census as a statistical tool, an historical source and an ideological project of citizenship and nationalism. Uses census data to explore mathematical and statistical concepts and to integrate numerical ways of thinking with qualitative analysis. (Jointly sponsored by African Studies, Diaspora and Transnational Studies, Caribbean Studies, Equity Studies and Latin American Studies).

Prerequisite: DTS200Y1/HIS230H1/HIS231H1/LAS200H1/LAS201H1/NEW120Y1/NEW150Y1/NEW220H1/NEW221H1/NEW224Y1/NEW240Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### LAS400H1 Topics in Latin American Studies [24S]

An upper level seminar. Topics of the course vary from year to year, depending on the needs of the program and the interests of students. Offered in alternate years.

Prerequisite: LAS200Y1/(LAS200H1, 201H1) & LAS300H1/301H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

## **LAS401H1 Latinos in Canada [48T/24S]**

A historical survey of migration from Latin American countries to Canada, this course examines mediation strategies of Latinos as they adjust to a new home: negotiation of national identities, political participation, entrepreneurship, cultural representations, and charitable work. Students engage in service with organization working with/in LatAm communities.

Prerequisite: LAS200H1, LAS201H1, one LAS 300-level course, interview

Recommended Preparation: JQR360: The Canadian Census: Populations, Migrations, and Demographics

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **LAS410H1 Independent Study**

This course provides an opportunity for students to do academic research related to Latin American issues under the supervision of a faculty member. The intent is that the student, aided and advised by the supervisor, will read relevant literature, and plan, execute, analyze and report on an original and independent investigation of an appropriate topic. For application forms, please visit the "Resources" section of the programme's website. Not eligible for CR/NCR option.

Prerequisite: LAS200Y/(LAS200H1, 201H1) and LAS300H/LAS301H

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

## Life Sciences

The following Life Science departments and programs are listed in this Calendar:

- Biochemistry
- Biology
- Cell & Systems Biology
- Ecology & Evolutionary Biology
- Human Biology
- Immunology
- Laboratory Medicine & Pathobiology
- Molecular Genetics & Microbiology
- Nutritional Sciences
- Pharmaceutical Chemistry
- Pharmacology & Toxicology
- Physiology
- Psychology

Many of the Life Science programs are collaborative programs given by the Faculty of Arts and Science and departments in the Faculty of Medicine. The Life Sciences all focus on the scientific study of life. The study of biological processes has enormous importance for:

Understanding one's own body and those of other organisms sharing our planet, both in health and sickness;

Analysing the behaviour of humans and other organisms;

Understanding the interdependent web of living organisms on the planet, and their evolutionary relationships;

Preparing for ethical, social and political questions arising from our increasing ability to modify living systems;

Enhancing our ability to protect the delicate and complex ecological balance that sustains this world.

Today, the biological sciences are experiencing a revolution. Important discoveries occur almost weekly as scientists and students around the world develop and use techniques, theories and approaches. Increasingly, we need people with advanced knowledge and training who can contribute to these discoveries and their application. Equally, we need people who know enough about life sciences generally to make informed judgments about critical issues such as global warming, population growth, the emergence of drug resistance and new diseases, and the degradation of the environment.

On the St. George campus, undergraduate education, graduate education and research in the Life Sciences is carried out in departments within the Faculty of Arts and Science and the Faculty of Medicine.

The programs offered in the Life Sciences are listed below. Admission to all programs occurs after completion of 4.0 credits. Admission to some programs is limited. Please see individual program listings for admission criteria and procedures. Also check the the Arts & Science Program Enrolment web site for details and application procedures.

For students with career goals in the health sciences, please see the "Admission to Other University Faculties/Programs" section under "Admission" in this Calendar.

### Specialist Programs

Biochemistry, Biological Chemistry (Chemistry), Bioinformatics and Computational Biology (Biochemistry), Biology, Biophysics (Physics), Cell and Molecular Biology (Cell & Systems Biology), Developmental Biology (Cell & Systems Biology), Ecology and Evolutionary Biology (Ecology & Evolutionary Biology), Environment and Health (School of the Environment), Genes Genetics and Biotechnology (Human Biology),

Global Health (Human Biology), Health and Disease (Human Biology), Immunology, Molecular Genetics & Microbiology, Molecular Biophysics (Biochemistry), Neuroscience (Human Biology), Pathobiology, Pharmaceutical Chemistry, Pharmacology, Physiology, Psychology, Psychology Research, Toxicology.

### Major Programs

Animal Physiology (Cell & Systems Biology), Biochemistry, Biodiversity and Conservation Biology (Ecology & Evolutionary Biology), Biology, Cell and Molecular Biology (Cell & Systems Biology), Ecology & Evolutionary Biology, Environmental Biology (Ecology & Evolutionary Biology), Environment and Health (School of the Environment), Genes Genetics & Biotechnology (Human Biology), Genome Biology (Biology), Global Health (Human Biology), Health & Disease (Human Biology), Health Care Ethics (Human Biology), Human Biology, Immunology, Neuroscience (Human Biology), Nutritional Sciences, Pharmacology, Physiology, Psychology, Toxicology.

### Minor Programs

Biology, Environmental Biology (Ecology & Evolutionary Biology), NUS Environmental Biology (Ecology & Evolutionary Biology), Immunology, Physiology, Psychology.

### Animal Use in Laboratories

Laboratory investigations are part of life science programs at the University of Toronto. Programs in life sciences at the University of Toronto include courses that involve observation, handling, or experimentation on animals or on samples derived from animals. The use of animals in teaching and research is regulated by ethical and procedural guidelines and protocols. These are approved on an ongoing basis by the University Animal Care Committee, and follow provincial and federal government rules. We recognize, however, that some students may have strong reservations about personal exposure to any use of animal material in teaching. Students who want to avoid registration in programs or courses that include such labs are, therefore, encouraged to check in advance with the departments involved.

## Faculty

### Professors Emeriti

J.K. Chambers, MA, Ph D  
 B.E. Drescher, BA, Ph D  
 P.A. Reich, MS, Ph D  
 R. Wardhaugh, MA, Ph D  
 E.A. Cowper, AM, Ph D

### University Professor and Chair

K.D. Rice, MA, Ph D

### Associate Professor, Undergraduate Coordinator, and Associate Chair

A. Kochetov, MA, Ph D

### Associate Professor and Graduate Coordinator

M. Ippolito, MA, Ph D

### Professors

A. Johns, MA, Ph D  
 D. Massam, MA Ph D  
 A.T. Perez-Leroux, MA, Ph D  
 S.A. Tagliamonte, MA, Ph D

### Associate Professors

M.C. Cuervo, MA, Ph D  
 N. Nagy, Ph D  
 D. Heller, MA, Ph D

### Assistant Professors

P. Jurgec, MA, Ph D  
 S. Bejar, MA, Ph D  
 G. Thomas, MA, Ph D  
 M. Grant, Ph D

### Adjunct Professor

M.L. Chasin, M Sc, AuD

### Lecturer

E.M. Gold, MA, Ph D

Linguistics can trace its roots back to the ancient Sanskrit grammarians, and the study of language is probably as old as language itself. However, the twentieth century has produced an explosion in the scientific study of language. As our understanding of the nature and structure of human language develops, linguistics is becoming relevant to many other areas of research such as Cognitive Science, Artificial Intelligence, Speech-Language Pathology, Audiology, Psychology, and Philosophy.

On its own, linguistics represents an invaluable key to the nature of the mind and the diverse elements of human culture; as a tool, linguistics is unmatched in preparing one for the learning and teaching of languages and for integrating language with technology.

Part-time students should note that most of the summer and evening courses available to them are offered on a rotating basis only. Consequently, students wishing to take such courses should enroll in them at the earliest opportunity after completing the necessary prerequisites.

In addition to the undergraduate curriculum within the Department of Linguistics, there are courses relating to linguistics offered in other departments such as the language departments, Anthropology, Computer Science, Philosophy, and Psychology, and in the Cognitive Science and Artificial Intelligence program.

Students seeking counselling and information should contact the Undergraduate Coordinator (416-946-3808/lin.ungr@chass.utoronto.ca).

## Linguistics Programs

Enrolment in the following Linguistics programs is open to students who have completed 4 FCEs. The Specialist program is suitable for students who have a strong interest or aptitude for linguistics. Linguistics naturally combines as a major or minor with many disciplines, including, but not limited to, Psychology, Philosophy, Computer Science, Cognitive Science, French, Spanish and Portuguese, Slavic languages, German and Italian.

### Linguistics Specialist (Arts program)

(12 full courses or their equivalent)

Language Requirement (2 FCEs): Two years of study or its equivalent of one non-Germanic, non-Romance language in courses using the spoken language (courses must be approved by the Undergraduate Coordinator). We encourage you to begin this language study in your first or second year.

Required Courses (5.5 FCEs):

First Year: LIN101H1, LIN102H1

Second Year: LIN228H1, LIN229H1, LIN232H1, LIN241H1, LIN251H1

Third and Fourth Years: LIN322H1, LIN331H1, JAL401H1 plus at least one of JLP374H1 or JLP315H1

Elective Courses (4.5 FCEs):

A total of 4.5 FCEs in LIN/JAL/JFL/JLP/JLS (excluding LIN200H1, LIN203H1, LIN204H1) including:

- a 1.5 FCEs at the 300+ level

- a .5 FCE at the 400 level

Up to 1 FCE may be from other departments. Approved courses include ANT329H1, ANT425H1, ANT427H1; COG250Y1; CSC384H1, CSC401H1, CSC448H1, CSC485H1; FIN220H1, FIN305H1; FRE272H1, FRE273H1, FRE274H1, FRE376H1, FRE378H1, FRE379H1, FRE379H1, FRE383H1, FRE386H1, FRE387H1, FRE388H1, FRE471H1, FRE487H1, FRE488H1, FRE489H1; GER400H1, GER426H1, GER462H1; HPS250H1, HPS322H1, HPS352H1; ITA360H1, ITA363H1; NML315H1, NML463H1; PHL210Y1, PHL245H1, PHL310H1, PHL311H1, PHL325H1, PHL326H1, PHL340H1, PHL342H1, PHL345H1, PHL347H1, PHL351H1, PHL355H1, PHL405H1, PHL451H1, PHL479H1, PHL480H1, PHL481H1; SLA255H1, SLA380H1, SLA452Y1; SPA322H1, SPA324H1, SPA421H1, SPA422H1, SPA423H1; VIC223Y1. Other courses might also qualify; consult the Department of Linguistics for approval.

### Linguistics Major (Arts program)

(7 full courses or their equivalent)

First Year: LIN101H1, LIN102H1

Second Year: LIN228H1, LIN229H1, LIN232H1, LIN241H1, LIN251H1

# Linguistics

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Third and Fourth Years: A total of 3.5 FCEs in LIN/JAL/JFL/JLP/JLS (excluding LIN200H1, LIN203H1, LIN204H1) including:

- at least one of JLP374H1 or JLP315H1
- 0.5 FCE at the 400 level
- a further 1 FCE at the 300+ level

## Linguistics Minor (Arts program)

(4 full courses or their equivalent)

First Year: LIN101H1, LIN102H1

Higher Years: Three FCE's in LIN/JAL/JFL/JLP/JLS (excluding LIN200H1) at least one of which must be at the 300+ level

## Linguistics Courses

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### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### LIN100Y1 Introduction to General Linguistics [48L/24T]

Offered for the last time in Summer 2016. Lectures on fundamental principles with illustrations from English and from a broad spectrum of other languages. Practice in elementary analytic techniques.

Distribution Requirement: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### LIN101H1 Introduction to Linguistics: Sound Structure (Formerly LIN100Y1) [24L/12T]

Fundamental principles of linguistics with particular attention to sound structure and its acquisition, processing, and variation; practice in elementary analytic techniques using data from a broad spectrum of languages.

Exclusion: LIN100Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### LIN102H1 Introduction to Linguistics: Sentence Structure and Meaning (Formerly LIN100Y1) [24L/12P]

Fundamental principles of linguistics with particular attention to sentence and meaning structure, their acquisition, processing, and variation; practice in elementary analytic techniques using data from a broad spectrum of languages.

Exclusion: LIN100Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### LIN200H1 Introduction to Language [24L/12T]

A general-interest course on language. Possible topics include: the structure of language; how language changes over time, the social and psychological aspects of language, language and culture, the origin of language, writing systems, and language acquisition. (This course cannot be used as an entrance to programs in linguistics, and cannot be used as a prerequisite to any linguistics courses unless otherwise indicated.)

Exclusion: LIN101H1, LIN102H1, ANT253H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### LIN201H1 Canadian English [24L]

A study of English spoken in Canada. Topics include: vocabulary items, usage surveys, non-standard dialect enclaves, regional variation and historical development. Students will develop original research projects.

Prerequisite: LIN101H1, LIN102H1/LIN200H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### LIN203H1 English Words [24L/12T]

English has a rich vocabulary. We will learn how it has developed over time, and investigate aspects of the meaning and pronunciation of words. Most of all, we will study how words are put together, so that students will be able to recognize and analyze unfamiliar words.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### LIN204H1 English Grammar [24L/12T]

How the English language works: students analyze a wide variety of English grammatical structures and learn how they vary across dialects and change through time.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### LIN228H1 Phonetics [24L/12T]

Investigation of the sounds most commonly used in languages from an articulatory and acoustic point of view, with practice in their recognition and production. Students will learn the International Phonetic Alphabet (IPA) and practice transcribing a wide variety of speech sounds.

Recommended Preparation: LIN101H1/LIN200H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### LIN229H1 Sound Patterns in Language [24L/12T]

The nature and organization of phonological systems, with practical work in analysis.

Prerequisite: LIN101H1, LIN228H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### LIN232H1 Syntactic Patterns in Language [24L/12T]

The nature and organization of syntactic systems; their relation to semantic systems and the linguistic organization of discourse; practical work in analysis.

Prerequisite: LIN102H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)



**LIN241H1 Introduction to Semantics [24L/12T]**

An introduction to meaning within linguistics and the interpretation of language in context. Topics include logical and semantic relations, pragmatic concepts such as presupposition and implicature, the nature of thematic roles, quantifiers and scope relations, the expressions of temporal and modal relations in natural language.

Prerequisite: LIN102H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**LIN251H1 Introduction to Sociolinguistics [24L/12T]**

How does linguistic variation construct identity? Introduction to recent sociolinguistic literature on language contact, multilingualism, code-switching, expressions of ethnic solidarity and regional identity, sex and gender differentiation, dialect geography, sociophonetics, perceptual dialectology, diffusion of norms in mobile populations, documentation of variation in lesser studied languages, and changes across the life-span.

Prerequisite: LIN101H1, LIN102H1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**LIN299Y1 Research Opportunity Program**

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Social Science

Breadth Requirement: None

**LIN305H1 Quantitative Methods in Linguistics [36L]**

Principles of research design, data collection, and a wide variety of statistical techniques for research in various subfields of linguistics.

Prerequisite: LIN101H1, LIN102H1 and one full course in LIN/JAL/JFL/JLP

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**LIN306H1 Language Diversity and Language Universals [24L]**

This course examines cross-linguistic typological features found in the languages of the world. Special attention is given to describing morphological and syntactic patterns found cross-linguistically. The goal of the course is to draw on the range of variation in order to uncover language universals. (Not offered every year)

Prerequisite: LIN232H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**JLP315H1 Language Acquisition [36L]**

Infants' abilities at birth, prelinguistic development, the first words, phonological, syntactic and semantic development. Social variables influencing development of language, bilingualism, models of development, language play. (Sponsored by the Departments of Linguistics and Psychology, but administered solely by the Dept. of Linguistics).

Prerequisite: One full course equivalent at the 200+-level in

LIN/JAL/JUP/PSL/PSY/COG

Exclusion: PSY315H5

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**LIN322H1 Phonological Theory [36L]**

Basic issues in current phonological theory. Problems focusing on analysis and theory. (Students who want to pursue graduate studies in linguistics are strongly advised to include this course in their program.)

Prerequisite: LIN229H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**LIN323H1 Acoustic Phonetics [24L]**

Introduction to the acoustics of the vocal tract, including acoustic properties of speech and its analysis using instrumental techniques.

Prerequisite: LIN101H1, LIN102H1, LIN228H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**JAL328H1 Writing Systems [24L]**

Introduction to writing systems; their historical development, their relationship to language, and their role in culture and society. (Given by the Departments of Anthropology and Linguistics) (Not offered every year)

Prerequisite: ANT100Y1/LIN101H1/LIN200H1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**LIN331H1 Syntactic Theory [36L]**

An introduction to the foundations and formal framework of current generative grammar, concentrating on Chomsky's Minimalist theory. (Students who want to pursue graduate studies in linguistics are strongly advised to include this course in their program.)

Prerequisite: LIN232H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**LIN333H1 Morphological Patterns in Language [36L]**

The nature and organization of morphological systems, with practical work in analysis.

Prerequisite: LIN229H1, LIN232H1

Exclusion: LIN231H1, LIN231H5

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**LIN341H1 Semantic Theory [36L]**

The study of natural language semantics and the relation between interpretation and syntactic structure. Topics include predication and quantification, scope and anaphora, problems of discourse analysis, the interpretation of different types of pronouns, and ellipsis.

Prerequisite: LIN241H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**LIN351H1 Sociolinguistic Patterns in Language [24L/12T]**

An exploration of linguistic variation and its social implications, especially the quantitative study of phonological and grammatical features and their correlations with age, sex, ethnicity, and other social variables.

Prerequisite: LIN251H1, or permission of the instructor

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

# Linguistics

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## **JAL353H1 Conversational Structures [36L]**

An introduction to the detailed observation of ordinary conversational interaction, and to some of the main ways in which such interaction is organized. The focus is on developing the capacity to discern orderliness in the details of everyday interaction, and beginning independent research in this area. (Given by the Departments of Anthropology and Linguistics)

Prerequisite: LIN101H1, LIN102H1/LIN200H1/ANT253H1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **JAL355H1 Language and Gender [24L]**

An introduction to some of the principal questions of feminist theory, as viewed from sociolinguistics. Topics include: socialization into gendered discourse patterns, cultural and ethnic differences in gendered interactions; the role of language and gender in legal, medical and labour settings; multilingualism, migration, imperialism and nationalism; sexuality, desire and queer linguistics, language, gender and globalization.

Prerequisite: One FCE at the 200-level in LIN/ANT/JAL/SOC/WGS Recommended

Preparation: ANT204H1/ANT253H1/SOC200H1/SOC214H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **LIN362H1 Historical Linguistics [36L]**

An introduction to diachronic linguistics. Theories of language change; the comparative method, internal reconstruction, linguistic geography, the origin of languages; language death.

Prerequisite: LIN229H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **JLP374H1 Psychology of Language [36L]**

Human and other animal communication, structure of human language, word meaning and semantic memory, psychological studies of syntax, bilingualism, language and thought, language errors and disorders. (Sponsored by the Departments of Linguistics and Psychology, but administered solely by the Dept. of Linguistics).

Prerequisite: One FCE from LIN228H1, LIN229H1, LIN232H1, LIN241H1, PSY260H1, PSY270H1, PSY280H1, PSY290H1, COG250Y1

Exclusion: PSY374H5, PLIC55H3

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **LIN398H0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **LIN399Y0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **JAL401H1 Field Linguistics [48P]**

Practice in language analysis based on elicited data from a native speaker of a foreign language, emphasizing procedures and techniques. (Given by the Departments of Anthropology and Linguistics)

Prerequisite: Completion of LIN322H1 and LIN331H1 or permission of the instructor

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **LIN405H1 Advanced Quantitative Methods in Linguistics [36L]**

This course introduces advanced statistical modeling techniques using the statistical software R, tailored specifically to the needs of linguistic research.

Prerequisite: LIN305H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **LIN409H1 Structure of a Specific Language [24L]**

Topics may include: the phonological, morphological, syntactic, and semantic systems; the writing system; a brief diachronic sketch; variation and sociolinguistic aspects. (Not offered every year).

Prerequisite: LIN228H1, LIN229H1, LIN232H1 + 1 FCE at THE 300+ level in LIN/JAL/JFL/JLP/JLS

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **LIN423H1 Phonetic Analysis [36S]**

This course provides students with hands-on experience with main methods of linguistic phonetic (acoustic and articulatory) analysis through project-based group work and training in writing up experimental results.

Prerequisite: LIN323H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **LIN429H1 Research in Phonology [24S]**

Research in Phonological Theory, including guided instruction in how to undertake critical reading of primary literature, develop an original topic, write a research paper, an abstract, a handout, and give an oral presentation. Not eligible for CR/NCR option.

Prerequisite: LIN322H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **LIN432H1 Advanced Morphology [24L]**

Current research involving morphology, including the role of morphology in the grammar, the nature of inflectional paradigms, affixes affecting grammatical relations. Each year one topic will be a special focus and will be dealt with at length. (Not offered every year)

Prerequisite: LIN333H1

Corequisite: LIN331H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **LIN439H1 Research in Syntax [24S]**

Research in Syntactic Theory, including guided instruction in how to undertake critical reading of primary literature, develop an original topic, write a research paper, an abstract, a handout, and give an oral presentation. Not eligible for CR/NCR option.

Prerequisite: LIN331H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **LIN441H1 Intensional Semantics [24L]**

Topics in intensional semantics, including formal semantics of tense, aspect, modality, and attitude verbs. (Not offered every year)

Prerequisite: LIN341H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **LIN451H1 Urban Dialectology [24L]**

Ways in which urban sub-cultures differ in their use of language. How speakers dialects reflect their ethnicity, group affiliation, and other social categories. Practice in dialect analysis based on data from the speech community, emphasizing procedures and techniques.

Prerequisite: LIN351H1/LIN256H1 plus 2 FCE at the 200+ level in LIN/JAL/JLP

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **LIN456H1 Language Variation and Change: Theory and Analysis [36L]**

The theory and practice of sociolinguistics. The inter-relationship between language and society from the perspective of collecting, organizing, and analyzing patterns in natural speech data, including field methods and quantitative methods for correlating linguistic and social variables.

Prerequisite: LIN351H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **LIN458H1 Revitalizing Languages [24L]**

A study of language endangerment and language revitalization efforts, focusing on Aboriginal languages of Canada. Topics include language classification and a survey of major features of the languages, what it means for a language to be endangered, the factors that contribute to language shift, and efforts to reverse language shift, including discussion of literacy and dictionaries.

Prerequisite: LIN101H1, LIN102H1 plus 2 FCE at the 200+ level in LIN/JAL

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **JLP471H1 Advanced Psycholinguistics [24S]**

Seminar in advanced topics in psycholinguistics. Content varies from year to year. (Sponsored by the Departments of Linguistics and Psychology, but administered solely by the Dept. of Linguistics).

Prerequisite: JLP374H1

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **JLS472H1 Child Language Disorders [36L]**

Students are introduced to the etiologies and characteristics of speech and language disorders in children, associated with autism, intellectual disabilities, and specific language impairment. Theoretical underpinnings of the major intervention approaches for children with speech and language disorders are discussed. (Given by the Departments of Linguistics and Speech Language Pathology)

Prerequisite: LIN101H1, LIN102H1, LIN228H1, and 1 FCE at the 300+ level

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **JLS473H1 Adult Speech and Language Disorders [36L]**

Students are introduced to the etiologies and characteristics of speech and language disorders in adults, associated with aphasia, neurodegenerative disorders, and head injuries. The effects of communication handicaps on the individual and theoretical underpinnings of the major intervention approaches for adults are discussed. (Given by the Departments of Linguistics and Speech Language Pathology)

Prerequisite: LIN101H1, LIN102H1, and one FCE at the 300+ level

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **JLS474H1 Disorders of Speech and Language [36L]**

Normal and deviant development of speech and language; a survey of the disorders of human communication; an overview of intervention for disorders of speech, voice, language, swallowing and hearing; the effects of human communication handicaps on the individual, family, and community; theoretical and philosophical aspects of disordered communication. (Given by the Departments of Linguistics and Speech Language Pathology) (Not offered every year).

Prerequisite: JLP315H1/JLP374H1, and one FCE at the 300+ level

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **JLS475H1 Literacy and Reading Disorders [36L]**

An introduction to the typical development of emergent literacy skills, including oral language, phonological awareness, narratives, and emergent writing in children; a discussion of the effects of language disorders on emergent literacy skills; a survey of approaches to intervention for children's emergent literacy skills. (Given by the Departments of Linguistics and Speech Language Pathology)

Prerequisite: LIN101H1, LIN102H1, and one FCE at the 300+ level

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **JLS476H1 Linguistics in the Workforce: Clinical Practice and Research [36S]**

This course exposes students to research findings and methods that are highly pertinent to the fields of audiology and speech-language pathology, offering them with an extended service learning component in research laboratories or clinical settings. Successful completion of this course would provide students with advanced study in hearing and communication disorders that will be useful in their applications to audiology or speech-language pathology programs and in their future study of audiology or speech-language pathology. Not eligible for CR/NCR option.

Prerequisite: LIN101H1, LIN102H1, and one FCE at the 200+ level

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **JFL477H1 Issues in French and Linguistics I [24S]**

An advanced seminar on issues of current theoretical relevance in linguistics, with a special reference to French. This course is taught in English. For course descriptions, see the Departmental web site at: [http://www.french.utoronto.ca/undergraduate/courses/french\\_linguistics](http://www.french.utoronto.ca/undergraduate/courses/french_linguistics).

Prerequisite: Any two 300+ series LIN or FRE linguistics courses.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

# Linguistics

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## **JFL478H1 Issues in French and Linguistics II [24S]**

An advanced seminar on issues of current theoretical relevance in linguistics with special reference to French. This course is taught in English. (Not offered in 2016-17; offered in alternate years).

Prerequisite: Any 300+ series LIN or FRE Linguistics course  
Prerequisite: Any two 300+ series LIN or FRE Linguistics course  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **LIN481H1 Introduction to Analysis and Argumentation [36L]**

Argumentation, practice in constructing and evaluating hypotheses, and critical evaluation of representative articles. Emphasis on the structure of arguments rather than on the analysis of a particular language.

Prerequisite: LIN322H1/LIN331H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **LIN495Y1 Individual Project [TBA]**

A research or reading project undertaken by the student under the supervision of a staff member. Open only when a faculty member is willing and available to supervise. Not eligible for CR/NCR option.

Prerequisite: Permission of the Department  
Distribution Requirement Status: None  
Breadth Requirement: None

## **LIN496H1 Individual Project [TBA]**

A research or reading project undertaken by the student under the supervision of a staff member. Open only when a faculty member is willing and available to supervise. Not eligible for CR/NCR option.

Prerequisite: Permission of the Department  
Distribution Requirement Status: Humanities or Social Science  
Breadth Requirement: None

## **LIN497Y1 Individual Project [TBA]**

A research or reading project undertaken by the student under the supervision of a staff member. Open only when a faculty member is willing and available to supervise. Not eligible for CR/NCR option.

Prerequisite: Permission of the Department  
Distribution Requirement Status: Humanities or Social Science  
Breadth Requirement: None

## **LIN498H1 Individual Project [TBA]**

A research or reading project undertaken by the student under the supervision of a staff member. Open only when a faculty member is willing and available to supervise. Not eligible for CR/NCR option.

Prerequisite: Permission of the Department  
Distribution Requirement Status: Humanities or Social Science  
Breadth Requirement: None

## **LIN499H1 Individual Project [TBA]**

A research or reading project undertaken by the student under the supervision of a staff member. Open only when a faculty member is willing and available to supervise. Not eligible for CR/NCR option.

Prerequisite: Permission of the Department  
Distribution Requirement Status: Humanities or Social Science  
Breadth Requirement: None

## Introduction

Materials science is the study of the structure, properties and applications of all types of materials including metals, ceramics, glasses and polymers. Currently many exciting scientific developments are in the materials field. Notable advances have been made recently in studies of amorphous metals, the quasicrystalline state, liquid crystals, semiconductors, nanostructured materials, high critical temperature superconductors, biomaterials, high strength polymers, materials processing techniques such as ion implantation and laser melting, and in new categories of engineered materials such as advanced industrial ceramics or composite materials.

Materials science is interdisciplinary, drawing on the basic sciences of chemistry and physics and on more applied subjects such as metallurgy, ceramics and polymer science. Its tools and techniques include electron microscopy, x-ray diffraction, surface analysis using Auger emission spectroscopy, x-ray photoelectron spectroscopy, etc.

Introduction to Materials Science, MSE 101H1, is designed to appeal to a wide variety of student interests. Other materials science courses are available to students having the prescribed prerequisites and the approval of the Undergraduate Student Counsellor. The specialist program in Materials Science is coordinated jointly by the Departments of Chemistry and Materials Science and Engineering. For further information on the program, consult the coordinators listed in the Materials Science Program section below.

## Materials Science Programs

### Materials Science Specialist (Science program)

Consult Professor Eugenia Kumacheva, Department of Chemistry.

This program draws both on the basic sciences of chemistry and physics, and on the more applied areas such as metallurgy or ceramics. Courses dealing with these latter fields are offered through the Department of Materials Science in the Faculty of Applied Science and Engineering. This would be an appropriate program for students with career interests in solid state, polymer or composite materials industries, or for graduate work in either chemistry or materials science, with an appropriate choice of options. Students may follow the Materials Chemistry path by taking research course CHM 499Y1 or the Materials Science and Engineering path by taking research course MSE 498Y1.

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required courses will be eligible to enrol. Consult see the Arts & Science Program Enrolment web site for application procedures.

Courses for admission: CHM135H1/CHM139H1 and CHM136H1/CHM138H1 or CHM151Y1 with a minimum mark of 63%.

(14 full courses or their equivalent, including at least one 400-series course)

First Year: (BIO120H1, BIO130H1/BIO220H1); CHM151Y1 (strongly recommended)/(CHM135H1/CHM139H1, CHM136H1/CHM138H1); (MAT135H1, MAT136H1)/MAT137Y1

First or Second Year: (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

Second Year and Higher Years:

1. MSE101H1
2. (CHM220H1/CHM222H1, CHM221H1/CHM223H1)/CHM225Y1, CHM238Y1, CHM247H1/CHM249H1

3. MSE219H1, MSE335H1
4. CHM325H1, CHM327H1, CHM338H1, CHM343H1/CHM348H1, CHM426H1, CHM434H1
5. At least two of the following: MSE316H1, MSE318H1, (MSE342H1, MSE343H1), MSE351H1
6. At least two of the following: MSE430H1, MSE440H1, MSE459H1, MSE451H1, MSE461H1
7. Materials Chemistry path: CHM499Y1 Introduction to Chemistry Research.  
Materials Science and Engineering path: MSE498Y1 Design & Research Project

NOTE: Please read prerequisites and exclusions carefully, particularly the minimum mark requirement of 63% in chemistry courses. All prerequisites must be fully completed before a course can be taken. Courses that are prerequisites cannot be taken simultaneously with the courses for which they are a prerequisite (i.e., they are not "co-requisites"). Students from other institutions must show their transcripts to the department if they are using prior courses as prerequisites. The same rules apply.

NOTE: Please read prerequisites and exclusions carefully, particularly the minimum mark requirement of 63% in chemistry courses. All prerequisites must be fully completed before a course can be taken. Courses that are prerequisites cannot be taken simultaneously with the courses for which they are a prerequisite (i.e., they are not "co-requisites"). Students from other institutions must show their transcripts to the department if they are using prior courses as prerequisites. The same rules apply.

## Materials Science Courses

### Notes

1. The MSE courses below are administered by the Faculty of Applied Science and Engineering, and are subject to the rules and regulations of that Faculty, including those for term dates, examination periods and deferral practices.
2. The CHM courses listed for the Materials Science program are described in the Chemistry section of this Calendar.
3. Enrollment in MSE courses is done through your own College Registrar. It is not necessary to petition as the courses listed below have been pre-approved for this Specialist Program.
4. Deferment of Final Exams is NOT generally granted in the Faculty of Applied Science and Engineering.

### MSE101H1 Introduction to Materials Science [39L/13T/13P]

This is an introductory course in materials science examining the fundamentals of atomic structure, the nature of bonding in materials, crystal structure and defects, and phase equilibria. These basic principles provide the foundation for an exploration of structure-property relationships in metals, ceramics, and polymers, with emphasis on mechanical properties. The properties of materials then form the basis for an introduction to materials selection in design.

Prerequisite: OAC/Grade 12 U Chemistry, Physics, and Calculus  
Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MSE219H1 Structure and Characterization of Materials**

Introduction to two and three-dimensional crystallography and crystal structures of solids. Topics include: Pearson and Hermann-Mauguin symbols, reciprocal space, point group and space group symmetry analysis, stereographic projections. Introduction to tensor analysis of crystalline material properties, and symmetry breakdown by imperfections in crystals. Experimental techniques used to interpret structure and chemistry of solids and their defects will be covered theoretically and in the laboratory including: X-ray diffractometry, optical, electron and scanning probe microscopy, and surface/bulk spectroscopies based on optical, X-ray, electron and ion-beam analysis methods.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MSE335H1 Materials Physics [39L/13T]**

Application of solid state physics to describe properties of materials. Thermal properties of solids: lattice vibrations (phonons), heat capacity, thermal conductivity. Electrical properties of metals: simple circuits, resistivity of metals (classical and quantum descriptions), Seebeck, Peltier, and Thomson effects. Electrical properties of semiconductors: band structure and occupancy, conductivity, Hall effect, simple devices. Electrical properties of insulators: polarization, capacitance, optical properties, ferroelectric and piezoelectric materials. Magnetic properties: diamagnetism and paramagnetism, ferromagnetic and ferrimagnetic materials, magnetic domains, B-H curves.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MSE316H1 Mechanical Behaviour of Materials [39L/13T/20P]**

The mechanical behaviour of engineering materials including metals, alloys, ceramics and polymeric materials. The following topics will be discussed: macro- and micro-structural response of materials to external loads; load-displacement and stress-strain relationships, processes and mechanisms of elastic, visco-elastic, plastic and creep deformation, crystallographic aspects of plastic flow, effect of defects on mechanical behaviour, strain hardening theory, strengthening mechanisms and mechanical testing.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MSE318H1 Phase Transformations [39L/13T/20P]**

Thermodynamics and phase stability. Free energy diagrams. Phase transformations in unary systems: primary crystallization, amorphization, crystallization of amorphous materials, recrystallization. Phase transformations in binary systems: solidification, precipitation from solid solution, binary invariant reactions. Diffusional transformations, nucleation and growth, diffusionless or martensitic transformations. Second order transformations. Spinodal, massive and order-disorder transformations. Influence of phase transformations on microstructure and properties.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MSE342H1 Nanomaterials [26L/13T]**

An introduction to nanostructured materials. Topics include: the different classes of nanomaterials, synthesis and characterization methods, changes in physical properties on the nanometer scale, areas of application of nanostructured materials and materials issues in nanotechnology. (Quarter term course taught over the entire Fall term, worth .25 credits).

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MSE343H1 Biomaterials [26L/13T]**

The course will provide an overview of the applications of materials (metals, polymers, ceramics, composites and modified tissue-based materials) for surgical implant fabrication. The important considerations in selection of materials for fabrication of these devices with an introduction to the biological responses expected with implantation will also be discussed. The concept of biocompatibility will be introduced as well as the essential elements of biology related to an understanding of this criterion for biomaterial selection and implant design. (Quarter term course taught over the entire Fall term, worth .25 credits).

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MSE351H1 Design and Simulation of Materials Processes [36L/12T/24P]**

Various phenomena involved in materials processing and design will be modeled using a software package based on the finite element method. Examples will include aspects of solid state diffusion, structural stress, heat transfer, fluid flow and chemical reactions. The problems will involve unsteady state as well as 3 dimensional systems. Multi-physics phenomena such as heating of an electric component by an electric current, resulting in a change in physical properties affecting thermal properties will also be introduced. The main objective of this course is to introduce students to the use of a commercial software package to solve fairly common but complex physical and chemical phenomena related to the materials industry.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MSE430H1 Electronic Materials [26L/13T]**

Materials parameters and electronic properties of semiconductors are discussed as basic factors in the engineering of semiconductor devices. Materials parameters are related to preparation and processing methods, and thus to the electronic properties. The implications of materials parameters and properties on selected simple devices are discussed.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MSE440H1 Biomaterial Processing and Properties [39L/13T]**

Currently used biomaterials for formation of surgical implants and dental restorations include selected metals, polymers, ceramics, and composites. The selection and processing of these materials to satisfy biocompatibility and functional requirements for applications in selected areas will be presented. Materials used for forming scaffolds for tissue engineering, and strategies for repair, regeneration and augmentation of degenerated or traumatized tissues will be reviewed with a focus on biocompatibility issues and required functionality for the intended applications.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MSE451H1 Advanced Physical Properties of Structural Nanomaterials [39L/13T/26P]**

This course deals with the physical properties of bulk nanostructured materials. Included are mechanical properties (elastic behavior, tensile and compressive strength, creep, wear and fatigue properties) electrical properties (electrical transport phenomena, electrical resistivity) magnetic properties (paramagnetic, diamagnetic, soft and hard ferromagnetic, superparamagnetic and antiferromagnetic properties), thermodynamic properties (interfacial enthalpy, thermal stability, phase transformations, heat capacity). The considerable differences observed for nanocrystalline solids compared to conventional polycrystalline and amorphous solids will be discussed in terms of the microstructural differences for these materials.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MSE459H1 Synthesis of Nanostructured Materials [39L/26P]**

Various synthesis techniques to produce nanostructured materials will be introduced. These include methods involving the vapor phase (physical and chemical vapor deposition, organometallic chemical vapor deposition), the liquid phase (rapid solidification, spark erosion), the solid phase, (mechanical attrition, equal channel deformation) as well techniques producing these structures from solution (electrodeposition, electroless processing, precipitation). Secondary processing techniques to produce final products or devices will also be discussed.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MSE461H1 Engineered Ceramics**

The unique combinations of physical, electrical, magnetic, and thermomechanical properties exhibited by advanced technical ceramics has led to a wide range of applications including automobile exhaust sensors and fuel cells, high speed cutting tool inserts and ball bearings, thermal barrier coatings for turbine engines, and surgical implants. This course examines the crystal and defect structures which determine the electrical and mass transport behaviours and the effects of microstructure on optical, magnetic, dielectric, and thermomechanical properties. The influence of these structure-property relations on the performance of ceramic materials in specific applications such as sensors, solid oxide fuel cells, magnets, and structural components is explored.

Not offered in 2015-16.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MSE498Y1 Design and Research Project [156P]**

The students, alone or preferably organized in small groups, select a project involving original research and design work which is normally closely related to the current work of a staff member, and in close collaboration with an external partner (e.g. local industry, hospital, government lab). The students conceive and carry out a research plan under the supervision of the academic staff member usually with an external liaison person as a resource person. The project must contain a significant design component. The project work may be carried out in the department, at the external site, or both locations. The final grade will be based on interim and final written reports, oral presentations at the end of each term and a final poster presentation.

Prerequisite: permission of the Department

Exclusion: CHM499Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## Faculty

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### Professor and Chair of the Department

K. Murty, B Sc, Ph D, FRSC

### Professors and Associate Chairs

R. Jerrard, M Sc, Ph D (U)

R. Rotman, BA, Ph D

### Associate Professor and Associate Chair (Undergraduate)

M. Pugh, BSc, Ph D

### University Professors

J.G. Arthur, MA, Ph D, FRSC, FRS

J. Friedlander, MA, Ph D, FRSC (UTSC)

I.M. Sigal, BA, Ph D, FRSC

### Professors

D. Bar-Natan, B Sc, Ph D

E. Bierstone, MA, Ph D, FRSC

I. Binder, B Sc, M Sc, Ph D (UTM)

J. Bland, M Sc, Ph D

A. Braverman, B Sc, Ph D

R.O. Buchweitz, Dipl Maths, Dr Rer Nat (UTSC)

A. Burchard, B Sc, Ph D

G. Elliott, B Sc, Ph D, FRSC

M. Goldstein, B Sc, Ph D (UTSC)

V. Ivrii, MA, Ph D, Dr Math, FRSC

L. Jeffrey, AB, Ph D, FRSC (UTSC)

Y. Karshon, B Sc, Ph D (UTM)

K. Khanin, M Sc, Ph D (UTM)

B. Khesin, M Sc, Ph D

A. Khovanskii, M Sc, Ph D

H. Kim, B Sc, Ph D

S. Kudla, B A, MA, Ph D, FRSC

R. McCann BSc, Ph D, FRSC

E. Meinrenken, B Sc, Ph D, FRSC

P. Milman, Dipl Maths, Ph D, FRSC

F. Murnaghan, M Sc, Ph D

A. Nabutovsky, M Sc, Ph D

A. Nachman, B Sc, Ph D

D. Panchenko, B Sc, M Sc, Ph D

J. Quastel MSc, Ph D

J. Repka, B Sc, Ph D (U)

R. Rotman BA, Ph D

L. Seco, BA, Ph D (UTM)

P. Selick, B Sc, MA, Ph D (UTSC)

C. Sulem, M Sc, Dr D'Etat, FRSC

S. Todorovic, B Sc, Ph D

B. Virag, BA, Ph D (UTSC)

W.A.R. Weiss, M Sc, Ph D (UTM)

M. Yampolsky, B Sc, Ph D (UTM)

### Associate Professors

S. Alexakis, BA, Ph D

M. Gualtieri, B Sc, Ph D

J. Kamnitzer, B Sc, Ph D

V. Kapovitch, B Sc, Ph D

M. Pugh, B Sc, Ph D

K. Rafi, B Sc, Ph D

J. Scherk, D Phil (UTSC)

S.M. Tanny, B Sc, Ph D (UTM)

### Associate Professors, Teaching Stream

D. Burbulla, B Sc, B Ed, MA

A. Igelfeld, M Sc

A. Lam, M Sc

### Assistant Professors

F. Herzig, BA, Ph D

J. Tsimerman, Ph D

H. Wu, MD, Ph D

K. Zhang, B Sc, Ph D (UTM)

B. Rossman, BA, MA, Ph D

### Assistant Professors, Teaching Stream

B. Galvao-Souza, Ph D

A. Gracia-Saz, Ph D

### Lecturers

S. Homayouni, B Sc, Ph D

N. Jung, BA, MSc, Ph D

E.A.P. LeBlanc, MA, Ph D

J. Tate, B Sc, B Ed

S. Uppal, M Sc

### Professors Emeriti

M.A. Akcoglu, M Sc, Ph D, FRSC

E.J. Barbeau, MA Ph D (U)

T. Bloom, MA, Ph D, FRSC

B. Brainerd, MS, Ph D

M. D. Choi, MA, Ph D, FRSC

H.C. Davis, MA, Ph D (N)

E.W. Ellers, Dr Rer Nat

I.R. Graham, B Sc, Ph D (UTM)

P.C. Greiner, MA, Ph D, FRSC

S. Halperin, M Sc, Ph D, FRSC

W. Haque, MA, Ph D FRSC

V. Jurdjevic, MS, PhD

I. Kupka, AM, Ph D, Dr s Sc M

J.W. Lorimer, M Sc, Ph D (U)

D.R. Masson, M Sc, Ph D (U)

J. McCool, B Sc, Ph D

E. Mendelsohn, M Sc, Ph D (UTSC)

K. Murasugi, MA, D Sc, FRSC

P.G. Rooney, B Sc, Ph D, FRSC

P. Rosenthal, MA, Ph D, LLB

D.K. Sen, M Sc, Dr s Sc

R.W. Sharpe, MA, Ph D (UTSC)

S.H. Smith, B Sc, Ph D

F. D. Tall, AB, Ph D (UTM)

### Associate Professor Emeritus

N.A. Derzko, B Sc, Ph D

### Senior Lecturer Emeritus

F. Recio, MSc, Ph D

Mathematics is the study of shape, quantity, pattern and structure. It serves as a tool for our scientific understanding of the world. Knowledge of mathematics opens gateways to many different professions such as



economics, finance, computing, engineering, and the natural sciences. Aside from practical considerations, mathematics can be a highly satisfying intellectual pursuit, with career opportunities in teaching and research.

The department counts many of Canada's leading research mathematicians among its faculty. Our mathematics programs are flexible, allowing students to select courses based on specialization and interest. Contents range from calculus and linear algebra in the non-specialist programs to more advanced topics such as real and complex analysis, ordinary and partial differential equations, differential geometry, topology, commutative algebra, graph theory, mathematical logic, number theory, and functional analysis.

The department offers eight specialist programs in addition to the major and minor programs.

In the **Mathematics, Applied Mathematics, Mathematics and Physics, and Mathematics and Philosophy** specialist programs, students acquire an in-depth knowledge and expertise in mathematical reasoning and the language of mathematics, with its emphasis on rigor and precision. These programs are designed for students wishing to pursue graduate studies; most of the graduates of these programs continue on to graduate school with some of them gaining admission to the world's best graduate schools.

The **Mathematical Applications in Economics and Finance** specialist program is designed to prepare students for direct entry into the world of finance. It can also serve as a gateway to an MBA or a Master of Finance degree, possibly followed by an eventual doctorate.

The **Mathematics and its Applications** specialist programs offer three areas of concentration: teaching, physical science, and probability/statistics. These specialist programs are designed as 'enhanced double majors.' The required courses for these concentrations are almost identical for the first two years, but they diverge in the upper years. Students in these programs can also continue on to graduate studies.

The **Major and Minor** programs are intended for students who want to combine mathematical skills with work in other subjects. These programs require less coursework than the specialist programs, but still require the completion of some upper year mathematics courses.

Students interested in becoming K-12 teachers should consider applying to the combined degree program --- a six-year program that leads to an Honours Bachelor of

Science (HBSc) from the University of Toronto and a Master of Teaching (MT) from the Ontario Institute for Studies in Education (OISE). The HBSc part of this program involves completing a Math Major, a Minor in Education and Society (offered by Victoria College) and a Minor in an area that would lead to a second "teachable" subject. Please see the Victoria College website for more information.

The Professional Experience Year program (PEY: see <http://engineeringcareers.utoronto.ca/students/pey/>) is available to eligible full-time Specialist and Major students after their second or third year of study. The PEY program is an optional 12-16 month work term providing industrial experience. It gives students an opportunity to apply their skills in the context of a paid internship.

The Department of Mathematics offers introductory courses for incoming students to foster the development of mathematics skills.

**PUMP (Preparing for University Mathematics Program)** is a non-credit course that equips students with the necessary background knowledge required to succeed in first year mathematics courses. It is designed for students who have not taken the appropriate high school mathematics prerequisites for university calculus and linear algebra. It is also useful for students who wish to close any existing gap between high school math and University level math courses or anyone who wishes to review high school math before attempting University level math or other science courses.

**MAT138H1 (Introduction to Proofs)** has been introduced into the curriculum as a preparation for MAT157Y1, MAT240H1, MAT247H1, MAT237Y1, and other proof-oriented advanced courses. The course covers the reading and comprehension of mathematical statements, analyzing definitions and properties, formulation of arguments, and strategies for proofs.

Visit <http://www.math.toronto.edu/cms/potential-students-ug/> for up-to-date information on the availability of PUMP and MAT138H1.

Some of the more advanced first- and second-year courses have "change dates" during the first few weeks of the academic year. The "change date" occurs after the general "add date" for courses and before the "drop date" for courses. For example, a student enrolled in Mat157Y1 can change their enrolment to MAT137Y1 or MAT135H1 at any time on or before the change date. For deadlines and further details, see <http://www.math.toronto.edu/cms/change-dates>

# Mathematics

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Associate Chair for Undergraduate Studies: Professor M. Pugh

Enquiries and student counseling: Bahen Centre, Room 6291

Departmental Office: Bahen Centre, Room 6290 (416-978-3323)

Websites: <http://www.math.toronto.edu/cms/potential-students-ug/>

<http://www.math.toronto.edu/cms/current-students-ug/>

## Mathematics Programs

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Students with a good grade in MAT223H1 (80%) and MAT224H1 (80%) and MAT137Y1 (75%) (or (MAT135H1, MAT136H1) (85%)) may apply to the Mathematics Undergraduate Office for permission to enter a Mathematics program requiring MAT157Y1. For such students, MAT138H1 is highly recommended.

### Mathematics Specialist (Science program)

(12.5 FCE, including at least 1.5 FCE at the 400-level)

The Specialist Program in Mathematics is directed toward students who hope to pursue mathematical research as a career.

First Year:

MAT157Y1, MAT240H1, MAT247H1

Second Year:

MAT257Y1, MAT267H1

Second and Higher Years:

1. At least 0.5 FCE with a significant emphasis on ethics and social responsibility: ENV333H1/ETH201H1/ETH210H1/ETH220H1/HPS200H1/IMC200H1/JPH441H1/PHL265H1/PHL273H1/PHL275H1/PHL281H1 or another H course approved by the Department.  
Note: Students may use the CR/NCR option with this H course and have it count toward the Mathematics Specialist program. Students in the VIC program may also use VIC172Y1.

2. MAT327H1

Third and Fourth Years:

1. MAT347Y1, MAT354H1, MAT357H1, MAT363H1/MAT367H1 (MAT363H1 can be taken in the second year, if desired)  
2. 2.0 FCE of: MAT309H1, MAT351Y1, ANY 400-level APM/MAT  
3. 3.0 FCE of APM/MAT at the 300+ level, including at least 2.0 FCE at the 400 level (these may include options above not already chosen)  
4. MAT477H1

NOTE:

1. The Department recommends that PHY151H1 and PHY152H1 be taken in the First Year, and that CSC148H1 and STA257H1 be taken during the program. If you do not have a year-long course in

programming from high school, the Department strongly recommends that you take CSC108H1 prior to CSC148H1.

2. Students planning to take specific fourth year courses should ensure that they have the necessary second and third year prerequisites.

3. Students with a CGPA of 3.5 and above may apply to have graduate level math courses count towards their 400-level course requirements.

### Applied Mathematics Specialist (Science program)

(13.0-13.5 FCE, including at least 1.5 FCE at the 400-level)

The Specialist Program in Applied Mathematics is directed toward students who hope to pursue applied mathematical research as a career.

First Year:

MAT157Y1, MAT240H1, MAT247H1;  
(CSC108H1,CSC148H1)/CSC150H1

Second Year:

MAT257Y1, MAT267H1; (STA257H1, STA261H1)

Second and Higher Years:

1. At least 0.5 FCE with a significant emphasis on ethics and social responsibility: ENV333H1/ETH201H1/ETH210H1/ETH220H1/HPS200H1/IMC200H1/JPH441H1/PHL265H1/PHL273H1/PHL275H1/PHL281H1 or another H course approved by the Department.

Note: Students may use the CR/NCR option with this H course and have it count toward the program. Students in the VIC program may also use VIC172Y1.

Third and Fourth Years:

1. MAT351Y1; MAT327H1, MAT347Y1, MAT354H1, MAT357H1, MAT363H1/MAT367H1 (MAT363H1 can be taken in the second year, if desired); STA347H1  
2. At least 1.5 FCE chosen from: MAT332H1, MAT344H1, MAT454H1, MAT457H1, MAT458H1, MAT464H1; STA302H1, STA457H1; CSC336H1, CSC436H1, CSC446H1, CSC456H1  
3. 1.0 FCE from: APM421H1, APM426H1, APM441H1, APM446H1, APM461H1, APM462H1, APM466H1  
4. MAT477H1

NOTE:

1. The Department recommends that PHY151H1 and PHY152H1 be taken in the First Year, and that CSC148H1 and STA257H1 be taken during the program. If you do not have a year-long course in programming from high school, the Department strongly recommends that you take CSC108H1 prior to CSC148H1.

2. Students planning to take specific fourth year courses should ensure that they have the necessary second and third year prerequisites.

3. Students with a CGPA of 3.5 and above may apply to have graduate level math courses count towards their 400-level course requirements.

### Mathematics and Physics Specialist (Science program)

(14.5-15.5 FCE, including at least 1.0 FCE at the 400-level)

First Year:

MAT157Y1, MAT240H1, MAT247H1; PHY151H1, PHY152H1

Second Year:

MAT257Y1, MAT267H1; PHY224H1, PHY250H1, PHY252H1, PHY254H1, PHY256H1

Second and Higher Years:

1. At least 0.5 FCE with a significant emphasis on ethics and social responsibility: ENV333H1/ETH201H1/ETH210H1/ETH220H1/HPS200H1/IMC200H1/JPH441H1/PHL265H1/PHL273H1/PHL275H1/PHL281H1 or another H course approved by the Department.  
 Note: Students may use the CR/NCR option with this H course and have it count toward the program. Students in the VIC program may also use VIC172.

2. Note: PHY252H1 and PHY324H1 may be taken in the 2nd or 3rd year.

Third Year:

- MAT351Y1; MAT334H1/MAT354H1, MAT357H1
- One of: MAT327H1, MAT347Y1, MAT363H1/MAT367H1 (MAT363H1 can be taken in the second year, if desired)
- PHY324H1, PHY350H1, PHY354H1, PHY356H1

Fourth Year:

- Two of: APM421H1, APM426H1, APM446H1, APM441H1
- Two of: PHY450H1, PHY452H1, PHY454H1, PHY456H1, PHY460H1
- One of: MAT477H1; PHY424H1, PHY478H1, PHY479Y1

NOTE:

- Students who are intending to apply to graduate schools in mathematics would be well-advised to take MAT347Y1.
- Students planning to take specific fourth year courses should ensure that they have the necessary second and third year prerequisites.
- Students with a CGPA of 3.5 and above may apply to have graduate level math courses count towards their 400-level course requirements.

## Mathematics and Philosophy Specialist (Science program)

Consult the Undergraduate Coordinators of the Departments of Mathematics and Philosophy.

(12.0 FCE including at least 1.0 FCE at the 400-level)

First Year:

MAT157Y1, MAT240H1, MAT247H1; PHL232H1 or PHL233H1

Higher Years:

- MAT257Y1, MAT327H1, MAT347Y1, MAT354H1/MAT357H1
- PHL345H1, MAT309H1/PHL348H1
- Four of: PHL325H1, PHL331H1, PHL332H1, PHL346H1, PHL347H1, PHL349H1, PHL355H1, PHL451H1, PHL480H1
- 1.0 FCE from PHL200Y1/PHL205H1/PHL206H1/PHL210Y1
- PHL265H1/PHL275H1
- Additional 2.0 FCE from PHL or MAT to a total of 12.0 FCE

NOTE: Students with a CGPA of 3.5 and above may apply to have graduate level math courses count towards their 400-level course requirements.

## Mathematics & Its Applications Specialist (Teaching)

(11.5 - 12 FCE, including at least 1.0 FCE at the 400 level)

Core Courses:

First Year:

(CSC108H1,CSC148H1)/CSC150H1; MAT137Y1/MAT157Y1, MAT223H1/MAT240H1

Second Year:

MAT224H1/MAT247H1, MAT235Y1/MAT237Y1/MAT257Y1, MAT246H1 (waived for students taking MAT157Y1), MAT244H1/MAT267H1;STA257H1

Note:

1. MAT237Y1/MAT257Y1 is a direct or indirect prerequisite for many courses in each of the areas of concentration except the Teaching Concentration. Students are advised to take MAT237Y1/MAT257Y1 unless they have planned their program and course selection carefully and are certain that they will not need it.

Second and Higher Years:

1. At least 0.5 FCE with a significant emphasis on ethics and social responsibility: ENV333H1/ETH201H1/ETH210H1/ETH220H1/HPS200H1/IMC200H1/JPH441H1/PHL265H1/PHL273H1/PHL275H1/PHL281H1 or another H course approved by the Department.

Note: Students may use the CR/NCR option with this H course and have it count toward the program. Students in the VIC program may also use VIC172Y1.

Higher Years:

MAT301H1, MAT334H1

NOTE:

1. Students planning to take specific fourth year courses should ensure that they have the necessary second and third year prerequisites.

Teaching Concentration:

For course selection, note that OISE requires students to have a second teachable subject.

- MAT329Y1, HPS/MAT390H1, HPS/MAT391H1
- Two of: MAT332H1/MAT344H1, MAT335H1, MAT337H1, MAT363H1/MAT367H1
- Two of: MAT309H1, MAT315H1; STA302H1/STA347H1
- MAT401H1/MAT402H1 and 0.5 FCE at the 400-level from MAT, APM, STA

## Mathematics & Its Applications Specialist (Physical Science)

(12.5-13.5 FCE, including at least 1.0 FCE at the 400 level)

Core Courses:

First Year:

(CSC108H1,CSC148H1)/CSC150H1; MAT137Y1/MAT157Y1, MAT223H1/MAT240H1

Second Year:

MAT224H1/MAT247H1, MAT235Y1/MAT237Y1/MAT257Y1, MAT246H1 (waived for students taking MAT157Y1), MAT244H1/MAT267H1;STA257H1

Note:

1. MAT237Y1/MAT257Y1 is a direct or indirect prerequisite for many courses in each of the areas of concentration except the Teaching Concentration. Students are advised to take MAT237Y1/MAT257Y1 unless they have planned their program and course selection carefully and are certain that they will not need it.

Second and Higher Years:

1. At least 0.5 FCE with a significant emphasis on ethics and social responsibility: ENV333H1/ETH201H1/ETH210H1/ETH220H1/HPS200H1/IMC200H1/JPH441H1/PHL265H1/PHL273H1/PHL275H1/PHL281H1 or another H course approved by the Department.

Note: Students may use the CR/NCR option with this H course and have it count toward the program. Students in the VIC program may also use VIC172.

Higher Years:

MAT301H1, MAT334H1

NOTE:

1. Students planning to take specific fourth year courses should ensure that they have the necessary second and third year prerequisites.

# Mathematics

## Physical Sciences Concentration:

1. PHY151H1, PHY152H1; AST221H1
2. Three of: AST222H1; PHY250H1, PHY252H1, PHY254H1, PHY256H1
3. APM346H1/MAT351Y1
4. Three of: AST320H1, AST325H1; MAT337H1, MAT363H1/MAT367H1; PHY350H1, PHY354H1, PHY356H1, PHY357H1, PHY358H1
5. Two of: APM421H1, APM426H1, APM441H1, APM446H1; PHY407H1, PHY408H1, PHY456H1

## Mathematics & Its Applications Specialist (Probability/Statistics)

(11.5-13.0 FCE, including at least 1.0 FCE at the 400 level)

### Core Courses:

#### First Year:

(CSC108H1, CSC148H1)/CSC150H1; MAT137Y1/MAT157Y1, MAT223H1/MAT240H1

#### Second Year:

MAT224H1/MAT247H1, MAT235Y1/MAT237Y1/MAT257Y1, MAT246H1 (waived for students taking MAT157Y1), MAT244H1/MAT267H1; STA257H1

#### Note:

1. MAT237Y1/MAT257Y1 is a direct or indirect prerequisite for many courses in each of the areas of concentration except the Teaching Concentration. Students are advised to take MAT237Y1/MAT257Y1 unless they have planned their program and course selection carefully and are certain that they will not need it.

#### Second and Higher Years:

1. At least 0.5 FCE with a significant emphasis on ethics and social responsibility: ENV333H1/ETH201H1/ETH210H1/ETH220H1/HPS200H1/IMC200H1/JPH441H1/PHL265H1/PHL273H1/PHL275H1/PHL281H1 or another H course approved by the Department. Note: Students may use the CR/NCR option with this H course and have it count toward the program. Students in the VIC program may also use VIC172Y1.

#### Higher Years:

MAT301H1, MAT334H1

#### NOTE:

1. Students planning to take specific fourth year courses should ensure that they have the necessary second and third year prerequisites.

## Probability/Statistics Concentration:

1. APM346H1/MAT351Y1/APM462H1; MAT337H1; STA261H1, STA302H1, STA347H1, STA352Y1/(STA452H1, STA453H1)
2. Additional 1.0 FCE at the 300+level from APM/MAT/STA
3. Two of: STA437H1, STA442H1, STA447H1, STA457H1

## Mathematical Applications in Economics and Finance Specialist (Science Program)

(12-12.5 FCE, including at least 1.5 FCE at the 400-level)

#### First Year:

ECO100Y1; MAT137Y1/MAT157Y1, MAT223H1, MAT224H1

***(Please check the requirements for ECO206Y1 to ensure that you pass these first year courses with grades that allow registration in ECO206Y1)***

#### Second Year:

ECO206Y1; MAT237Y1, MAT244H1, MAT246H1 (waived for students taking157Y1); STA257H1, STA261H1

#### Second and Higher Years:

1. At least 0.5 FCE with a significant emphasis on ethics and social responsibility: ENV333H1/ETH201H1/ETH210H1/ETH220H1/HPS200H1/IMC200H1/JPH441H1/PHL265H1/PHL273H1/PHL275H1/PHL281H1 or another H course approved by the Department. Note: Students may use the CR/NCR option with this H course and have it count toward the program. Students in the VIC program may also use VIC172Y1.

#### Third Year:

1. APM346H1; ECO358H1; ECO359H1; MAT337H1; STA302H1/ECO375H1; STA347H1

2. One of: MAT332H1, MAT344H1, MAT334H1, MAT475H1

#### Fourth Year:

APM462H1, APM466H1; STA457H1

#### NOTE:

1. Students planning to take specific fourth year courses should ensure that they have the necessary third year prerequisites.

## Mathematics Major (Science program)

(7.5 full courses or their equivalent. These must include at least 2.5 full course equivalent (FCE) at the 300+ level. Of those 2.5 FCE, at least 0.5 FCE must be at the 400 level).

#### First Year:

(MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1, MAT223H1/MAT240H1

#### Second Year:

MAT224H1/ MAT247H1, MAT235Y1/ MAT237Y1/MAT257Y1, MAT244H1, MAT246H1

#### NOTE:

1. MAT224H1 may be taken in first year

#### Second and Higher Years:

1. At least 0.5 FCE with a significant emphasis on ethics and social responsibility: ETH210H1/ETH220H1/HPS200H1/JPH441H1/PHL265H1/PHL273H1/PHL275H1/PHL281H1 or another H course approved by the Department. Note: Students may use the CR/NCR option with this H course and have it count toward the program.

#### Higher Years:

1. MAT301H1, MAT309H1/MAT315H1, MAT334H1
2. Additional 0.5 FCE at the 200+ level from: ACT240H1/ACT230H1; APM236H1; MAT309H1/MAT315H1/MAT335H1/ MAT337H1; STA247H1/STA257H1
3. Additional 0.5 FCE at the 300+level from: APM346H1, APM462H1; MAT309H1, MAT315H1, MAT332H1/MAT344H1, MAT335H1, MAT337H1, MAT363H1, MAT475H1; HPS390H1, HPS391H1; PSL432H1
4. MAT401H1/MAT402H1 or any other MAT/APM 400-level course

#### NOTES:

1. Students using MAT157Y1 towards the first year program requirements must replace the exclusion course MAT246H1 with a different H level MAT/APM course at the 200+ level.
2. In the major program, higher level courses within the same topic are acceptable substitutions. With a judicious choice of courses, usually including introductory computer science, students can fulfill the requirements for a double major in mathematics and one of several other

disciplines.

3. Students planning to take specific fourth year courses should ensure that they have the necessary second and third year prerequisites.

4. Students interested in becoming K-12 teachers should consider applying to the combined degree program --- a six-year program that leads to an Honours Bachelor of Science (H B Sc) from the University of Toronto and a Master of Teaching (M T) from the Ontario Institute for Studies in Education (OISE). The HBSc part of this program involves completing a Math Major, a Minor in Education and Society (offered by Victoria College) and a Minor in an area that would lead to a second "teachable" subject. Please see the Victoria College website for more information.

## Mathematics Minor (Science program)

(4.0 FCE)

1. (MAT135H1, MAT136H1)/MAT137Y1
2. MAT221H1(80%+)/MAT223H1, MAT235Y1/MAT237Y1, MAT224H1/MAT244H1/MAT246H1/APM236H1 Note: MAT221H1/MAT223H1 should be taken in first year
3. Additional 1.0 FCE at the 300+ level from APM/MAT/HPS390H1/HPS391H1/PSL432H1

NOTE:

1. In the minor program, higher level courses within the same topic are acceptable substitutions.
2. Students planning to take specific third and fourth year courses should ensure that they have the necessary first, second and third year prerequisites.

## Joint Programs

Computer Science and Mathematics, see Computer Science

Economics and Mathematics, see Economics

Statistics and Mathematics, see Statistics

Combined Degree Program: STG, Honours Bachelor of Science, Major in Mathematics/Master of Teaching

## Combined Degree Program (CDP) in Science and Education: Mathematics (Major), HBSc/MT

### Combined Degree Program (CDP) in Science and Education: Mathematics (Major), Honours Bachelor of Science/Master of Teaching

The Combined Degree Program in Arts/Science and Education is designed for students interested in studying the intersections of teaching subjects and Education, coupled with professional teacher preparation. Students earn an Honours Bachelor's degree from the Faculty of Arts and Science (St. George) and an accredited professional Master of Teaching (MT) degree from the Ontario Institute for Studies in Education (OISE). They will be recommended to the Ontario College of Teachers for an Ontario Teacher's Certificate of Qualifications as elementary or secondary school teachers. The CDP permits the completion of both degrees in six years with 1.0 FCE that may be counted towards both the undergraduate and graduate degrees.

### Program requirements:

1. Minor in Education and Society, Victoria College

2. Major in Mathematics (first teaching subject)

3. Minor in an area corresponding to the second teaching subject as determined by OISE (see [http://pepper.oise.utoronto.ca/~jhewitt/mtresources/intermediate\\_senior\\_teaching\\_subject\\_prerequisites\\_2016-17.pdf](http://pepper.oise.utoronto.ca/~jhewitt/mtresources/intermediate_senior_teaching_subject_prerequisites_2016-17.pdf))

See here for additional information on the CDP, including admission, path to completion and contact information.

## Mathematics Courses

### Applied Mathematics/Mathematics Courses

#### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professional staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

#### JMB170Y1 Biology, Models, and Mathematics [48L/24T]

Applications of mathematics to biological problems in physiology, genetics, evolution, growth, population dynamics, cell biology, ecology, and behaviour. Mathematical topics include: power functions and regression; exponential and logistic functions; binomial theorem and probability; calculus, including derivatives, max/min, integration, areas, integration by parts, substitution; differential equations, including linear constant coefficient systems; dynamic programming; Markov processes; and chaos. This course is intended for students in Life Sciences.

Corequisite: BIO120H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

#### JUM202H1 Mathematics as an Interdisciplinary Pursuit [24L/12T]

A study of the interaction of mathematics with other fields of inquiry: how mathematics influences, and is influenced by, the evolution of science and culture. Art, music, and literature, as well as the more traditionally related areas of the natural and social sciences may be considered. (Offered every three years)

JUM202H1 is particularly suited as a Science Distribution Requirement course for Humanities and Social Science students.

Exclusion: JUM102H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

#### JUM203H1 Mathematics as a Recreation [24L/12T]

A study of games, puzzles and problems focusing on the deeper principles they illustrate. Concentration is on problems arising out of number theory and geometry, with emphasis on the process of mathematical reasoning. Technical requirements are kept to a minimum. A foundation is provided for a continuing lay interest in mathematics. (Offered every three years)

JUM203H1 is particularly suited as a Science Distribution Requirement course for Humanities and Social Science students.

Exclusion: JUM103H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

# Mathematics

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## **JUM205H1 Mathematical Personalities [24L/12T]**

An in-depth study of the life, times and work of several mathematicians who have been particularly influential. Examples may include Newton, Euler, Gauss, Kowalewski, Hilbert, Hardy, Ramanujan, Gödel, Erdős, Coxeter, Grothendieck. (Offered every three years)

JUM205H1 is particularly suited as a Science Distribution Requirement course for Humanities and Social Science students.

Exclusion: JUM105H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **Applied Mathematics Courses**

### **APM236H1 Applications of Linear Programming [36L]**

Introduction to linear programming including a rapid review of linear algebra (row reduction, matrix inversion, linear independence), the simplex method with applications, the duality theorem, complementary slackness, the dual simplex method and the revised simplex method.

Note: this course does not involve computer programming (despite the course's name).

Prerequisite: MAT221H1/MAT223H1/MAT240H1 (Note: no waivers of prerequisites will be granted)

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### **APM306Y1 Mathematics and Law (formerly JUM206Y1) [72L]**

This course examines the relationship between legal reasoning and mathematical logic; provides a mathematical perspective on the legal treatment of interest and actuarial present value; critiques ethical issues; analyzes how search engine techniques on massive databases transform legal research and considers the impact of statistical analysis and game theory on litigation strategies.

Prerequisite: (MAT135H1/MAT136H1)/MAT137Y1/MAT157Y1, MAT221H1/MAT223H1/MAT240H1

Exclusion: JUM206Y1

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2) + The Physical and Mathematical Universes (5)

### **APM346H1 Partial Differential Equations [36L]**

Sturm-Liouville problems, Green's functions, special functions (Bessel, Legendre), partial differential equations of second order, separation of variables, integral equations, Fourier transform, stationary phase method.

Prerequisite: MAT235Y1/MAT237Y1/MAT257Y1, MAT244H1/MAT267H1

Exclusion: MAT351Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### **APM396H1 Independent Readings in Applied Mathematics [TBA]**

Independent study under the direction of a faculty member. Topic must be outside undergraduate offerings. Similar workload to a 36L course. Not eligible for CR/NCR option.

Prerequisite: Minimum GPA 3.5 for APM and MAT courses. Permission of the Associate Chair for Undergraduate Studies and of the prospective supervisor.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **400-SERIES COURSES**

NOTE: Some courses at the 400-level are cross-listed as graduate courses and may not be offered every year. Please see the Department's

graduate brochure for more details.

### **APM421H1 Mathematical Foundations of Quantum Mechanics [36L]**

Key concepts and mathematical structure of Quantum Mechanics, with applications to topics of current interest such as quantum information theory. The core part of the course covers the following topics:

Schroedinger equation, quantum observables, spectrum and evolution, motion in electro-magnetic field, angular momentum and  $O(3)$  and  $SU(2)$  groups, spin and statistics, semi-classical asymptotics, perturbation theory. More advanced topics may include: adiabatic theory and geometrical phases, Hartree-Fock theory, Bose-Einstein condensation, the second quantization, density matrix and quantum statistics, open systems and Lindblad evolution, quantum entropy, quantum channels, quantum Shannon theorems.

Prerequisite: (MAT224H1, MAT337H1)/MAT357H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### **APM426H1 General Relativity [36L]**

Einstein's theory of gravity. Special relativity and the geometry of Lorentz manifolds. Gravity as a manifestation of spacetime curvature. Einstein's equations. Cosmological implications: big bang and inflationary universe. Schwarzschild stars: bending of light and perihelion precession of Mercury. Topics from black hole dynamics and gravitational waves. The Penrose singularity theorem.

Prerequisite: MAT363H1/MAT367H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### **APM441H1 Asymptotic and Perturbation Methods [36L]**

Asymptotic series. Asymptotic methods for integrals: stationary phase and steepest descent. Regular perturbations for algebraic and differential equations. Singular perturbation methods for ordinary differential equations: W.K.B., strained co-ordinates, matched asymptotics, multiple scales. (Emphasizes techniques; problems drawn from physics and engineering)

Prerequisite: APM346H1/MAT351Y1, MAT334H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### **APM446H1 Applied Nonlinear Equations [36L]**

Partial differential equations appearing in physics, material sciences, biology, geometry, and engineering. Nonlinear evolution equations. Existence and long-time behaviour of solutions. Existence of static, traveling wave, self-similar, topological and localized solutions. Stability. Formation of singularities and pattern formation. Fixed point theorems, spectral analysis, bifurcation theory. Equations considered in this course may include: Allen-Cahn equation (material science), Ginzburg-Landau equation (condensed matter physics), Cahn-Hilliard (material science, biology), nonlinear Schroedinger equation (quantum and plasma physics, water waves, etc). mean curvature flow (geometry, material sciences), Fisher-Kolmogorov-Petrovskii-Piskunov (combustion theory, biology), Keller-Segel equations (biology), and Chern-Simmons equations (particle and condensed matter physics).

Prerequisite: APM346H1/MAT351Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## APM461H1 Combinatorial Methods [36L]

A selection of topics from such areas as graph theory, combinatorial algorithms, enumeration, construction of combinatorial identities.

Prerequisite: MAT224H1/MAT247H1, MAT137Y1/MAT157Y1, MAT301H1/MAT347Y1

Recommended Preparation: MAT344H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## APM462H1 Nonlinear Optimization [36L]

An introduction to first and second order conditions for finite and infinite dimensional optimization problems with mention of available software.

Topics include Lagrange multipliers, Kuhn-Tucker conditions, convexity and calculus variations. Basic numerical search methods and software packages which implement them will be discussed.

Prerequisite: MAT223H1, MAT224H1, MAT235Y1,

Recommended Preparation: MAT336H1/MAT337H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## APM466H1 Mathematical Theory of Finance [36L]

Introduction to the basic mathematical techniques in pricing theory and risk management: Stochastic calculus, single-period finance, financial derivatives (tree-approximation and Black-Scholes model for equity derivatives, American derivatives, numerical methods, lattice models for interest-rate derivatives), value at risk, credit risk, portfolio theory.

Prerequisite: APM346H1, STA347H1

Corequisite: STA457H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## APM496H1 Independent Readings in Applied Mathematics [TBA]

Independent study under the direction of a faculty member. Topic must be outside current undergraduate offerings. Similar workload to a course that has 36 lecture hours. Not eligible for CR/NCR option.

Prerequisite: minimum GPA 3.5 for APM and MAT courses. Permission of the Associate Chair for Undergraduate Studies and of the prospective supervisor

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## Mathematics Courses

NOTES:

1. Transfer students who have received MAT1\*\*H1 –Calculus with course exclusion to MAT133Y1/MAT135H1 may take MAT137Y1 without forfeiting the half credit in Calculus. Students who have credit for MAT135H1 may take MAT137Y1, but only by forfeiting the half credit.

2. Courses no longer in the calendar: For the purpose of course requirements, prerequisites, or exclusions,

- (125H1,126H1)/135Y1 will be considered as 135H1,136H1,
- 123H1,124H1 will be considered as MAT133Y1.

For other courses no longer in the calendar, students should consult with the undergraduate advisor.

3. MAT133Y1, MAT135H1, MAT137Y1, MAT138H1, MAT157Y1, MAT221H1, MAT223H1, MAT240H1 require high school level calculus.

4. The Mathematics Department enforces prerequisites for APM236H1, MAT136H1, MAT224H1, MAT235Y1, MAT237Y1, MAT244H1, MAT337H1, and others.

## MAT133Y1 Calculus and Linear Algebra for Commerce [72L]

Mathematics of finance. Matrices and linear equations. Review of differential calculus; applications. Integration and fundamental theorem; applications. Introduction to partial differentiation; applications.

NOTE: please note Prerequisites listed below. Students without the proper prerequisites for MAT133Y1 may be deregistered from this course.

**Note that for Rotman Commerce students there is no Breadth Requirement status for this course --- see the Rotman Commerce entry in the calendar for how that program addresses breadth requirements. Also, MAT133Y is not a valid prerequisite for a number of more advanced quantitative courses.**

**A student who took MAT133Y may need to subsequently take MAT135H and MAT136H as "extra" or take MAT137Y or MAT157Y in order to proceed in non-Commerce PoSts.**

Prerequisite: High school level calculus

Exclusion: MAT135H1, MAT136H1, MAT137Y1, MAT157Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## MAT135H1 Calculus 1(A) [36L/12T]

Review of trigonometric functions, trigonometric identities and trigonometric limits. Functions, limits, continuity. Derivatives, rules of differentiation and implicit differentiation, related rates, higher derivatives, logarithms, exponentials. Trigonometric and inverse trigonometric functions, linear approximations. Mean value theorem, graphing, min-max problems, l'Hôpital's rule; anti-derivatives. Examples from life science and physical science applications.

Prerequisite: High school level calculus

Exclusion: MAT133Y1, MAT136H1, MAT137Y1, MAT157Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## MAT136H1 Calculus 1(B) [36L/12T]

Definite Integrals, Fundamental theorem of Calculus, Areas, Averages, Volumes. Techniques: Substitutions, integration by parts, partial fractions, improper integrals. Differential Equations: Solutions and applications. Sequences, Series, Taylor Series. Examples from life science and physical science applications.

Prerequisite: MAT135H1

Exclusion: MAT133Y1, MAT137Y1, MAT157Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## MAT137Y1 Calculus [72L/24T]

A conceptual approach for students with a serious interest in mathematics. Attention is given to computational aspects as well as theoretical foundations and problem solving techniques. Review of Trigonometry. Limits and continuity, mean value theorem, inverse function theorem, differentiation, integration, fundamental theorem of calculus, elementary transcendental functions, Taylor's theorem, sequence and series, power series. Applications.

Prerequisite: High school level calculus

Exclusion: MAT135H1, MAT136H1, MAT157Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

# Mathematics

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## **MAT138H1 Introduction to Proofs [36L/12T]**

The reading and understanding mathematical statements, analyzing definitions and properties, formulating conjectures and generalizations, providing and writing reasonable and precise arguments, modelling and solving proofs. This course is an excellent preparation for MAT157Y1, MAT237Y1, MAT240H1, and other proof-oriented courses.

Prerequisite: High school level calculus

Exclusion: MAT157Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT157Y1 Analysis I [72L/48T]**

A theoretical course in calculus; emphasizing proofs and techniques, as well as geometric and physical understanding. Trigonometric identities. Limits and continuity; least upper bounds, intermediate and extreme value theorems. Derivatives, mean value and inverse function theorems. Integrals; fundamental theorem; elementary transcendental functions.

Techniques of integration. Taylor's theorem; sequences and series;

uniform convergence and power series.

Prerequisite: High school level calculus

Exclusion: MAT137Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT221H1 Applied Linear Algebra [36L/12T]**

An application-oriented approach to linear algebra, based on calculations in standard Euclidean space. Systems of linear equations, matrices, Gauss-Jordan elimination, subspaces, bases, orthogonal vectors and projections. Matrix inverses, kernel and range, rank-nullity theorem.

Determinants, eigenvalues and eigenvectors, Cramer's rule, diagonalization. This course has strong emphasis on building computational skills in the area of algebra. Applications to curve fitting, economics, Markov chains and cryptography.

Prerequisite: High school level calculus

Exclusion: MAT223H1, MAT224H1, MAT240H1, MAT247H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT223H1 Linear Algebra I [36L/12T]**

Systems of linear equations, matrix algebra, real vector spaces, subspaces, span, linear dependence and independence, bases, rank, inner products, orthogonality, orthogonal complements, Gram-Schmidt, linear transformations, determinants, Cramer's rule, eigenvalues, eigenvectors, eigenspaces, diagonalization.

Prerequisite: High school level calculus

Exclusion: MAT240H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT224H1 Linear Algebra II [36L/12T]**

Fields, complex numbers, vector spaces over a field, linear transformations, matrix of a linear transformation, kernel, range, dimension theorem, isomorphisms, change of basis, eigenvalues, eigenvectors, diagonalizability, real and complex inner products, spectral theorem, adjoint/self-adjoint/normal linear operators, triangular form, nilpotent mappings, Jordan canonical form.

Prerequisite: MAT221H1(80%)/MAT223H1/MAT240H1

Exclusion: MAT247H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT235Y1 Calculus II [72L]**

Parametric equations and polar coordinates. Vectors, vector functions and space curves. Differential and integral calculus of functions of several variables. Line integrals and surface integrals and classic vector calculus theorems. Examples from life sciences and physical science applications.

Prerequisite: (MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1

Exclusion: MAT237Y1, MAT257Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT237Y1 Multivariable Calculus [72L]**

Sequences and series. Uniform convergence. Convergence of integrals. Elements of topology in  $\mathbb{R}^2$  and  $\mathbb{R}^3$ . Differential and integral calculus of vector valued functions of a vector variable, with emphasis on vectors in two and three dimensional euclidean space. Extremal problems, Lagrange multipliers, line and surface integrals, vector analysis, Stokes' theorem, Fourier series, calculus of variations.

Prerequisite: MAT137Y1/MAT157Y1/(MAT135H1,

MAT136H1(90%)),MAT223H1/MAT240H1

Exclusion: MAT235Y1, MAT257Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT240H1 Algebra I [36L/24T]**

A theoretical approach to: vector spaces over arbitrary fields, including  $\mathbb{C}$  and  $\mathbb{Z}_p$ . Subspaces, bases and dimension. Linear transformations, matrices, change of basis, similarity, determinants. Polynomials over a field (including unique factorization, resultants). Eigenvalues, eigenvectors, characteristic polynomial, diagonalization. Minimal polynomial, Cayley-Hamilton theorem.

Prerequisite: High school level calculus

Corequisite: MAT157Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT244H1 Introduction to Ordinary Differential Equations [36L]**

First order ordinary differential equations: Direction fields, integrating factors, separable equations, homogeneous equations, exact equations, autonomous equations, modeling. Existence and uniqueness theorem. Higher order equations: Constant coefficient equations, reduction of order, Wronskian, method of undetermined coefficients, variation of parameters. Solutions by series and integrals. First order linear systems, fundamental matrices. Non-linear equations, phase plane, stability. Applications in life and physical sciences and economics.

Prerequisite: (MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1,

MAT223H1/MAT240H1

Corequisite: MAT235Y1/MAT237Y1/MAT257Y1

Exclusion: MAT267H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT246H1 Concepts in Abstract Mathematics [36L/12T]**

Designed to introduce students to mathematical proofs and abstract mathematical concepts. Topics may include modular arithmetic, sizes of infinite sets, and a proof that some angles cannot be trisected with straightedge and compass.

Prerequisite: MAT133Y1/(MAT135H1,

MAT136H1)/MAT137Y1,MAT223H1

Exclusion: MAT157Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)



## **MAT247H1 Algebra II [36L]**

A theoretical approach to real and complex inner product spaces, isometries, orthogonal and unitary matrices and transformations. The adjoint. Hermitian and symmetric transformations. Spectral theorem for symmetric and normal transformations. Polar representation theorem. Primary decomposition theorem. Rational and Jordan canonical forms. Additional topics including dual spaces, quotient spaces, bilinear forms, quadratic surfaces, multilinear algebra.

Prerequisite: MAT240H1

Corequisite: MAT157Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT257Y1 Analysis II [72L/48T]**

Topology of  $\mathbb{R}^n$ ; compactness, functions and continuity, extreme value theorem. Derivatives; inverse and implicit function theorems, maxima and minima, Lagrange multipliers. Integration; Fubini's theorem, partitions of unity, change of variables. Differential forms. Manifolds in  $\mathbb{R}^n$ ; integration on manifolds; Stokes' theorem for differential forms and classical versions.

Prerequisite: MAT157Y1, MAT240H1, MAT247H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT267H1 Advanced Ordinary Differential Equations [36L/12T]**

A theoretical course on Ordinary Differential Equations. First-order equations: separable equations, exact equations, integrating factors. Variational problems, Euler-Lagrange equations. Linear equations and first-order systems. Fundamental matrices, Wronskians. Non-linear equations. Existence and uniqueness theorems. Method of power series. Elementary qualitative theory; stability, phase plane, stationary points. Oscillation theorem, Sturm comparison. Applications in mechanics, physics, chemistry, biology and economics.

Prerequisite: MAT157Y1, MAT247H1

Corequisite: MAT257Y1

Exclusion: MAT244H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT271H1 Insights from Mathematics [36L/6T]**

This breadth course is accessible to students with limited mathematical background. Various mathematical techniques will be illustrated with examples from humanities and social science disciplines. Some of the topics will incorporate user friendly computer explorations to give participants the feel of the subject without requiring skill at calculations.

Note: This course cannot be used to satisfy requirements of program in the math department.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT282H1 Topics in Mathematics [36L]**

A course in mathematics on a topic outside the current undergraduate offerings. For information on the specific topic to be studied and possible additional prerequisites, go to <http://www.math.toronto.edu/cms/current-students-ug/>

Prerequisite: 1.0 FCE in 100-level MAT courses. Possible additional topic-specific prerequisites.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT295H1 Independent Reading in Mathematics [TBA]**

Independent study under the direction of a faculty member. Topic must be outside undergraduate offerings. Similar workload to a 36L course. Not eligible for CR/NCR option.

Prerequisite: Minimum GPA of 3.5 in APM and MAT courses.

Permission of the Associate Chair for Undergraduate Studies and of the prospective supervisor.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT296H1 Independent Reading in Mathematics [TBA]**

Independent study under the direction of a faculty member. Topic must be outside undergraduate offerings. Workload equivalent to a 36L course. Not eligible for CR/NCR option.

Prerequisite: Minimum GPA of 3.5 in APM and MAT courses.

Permission of the Associate Chair for Undergraduate Studies and of the prospective supervisor.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT297Y1 Research Project in Mathematics [TBA]**

Independent research under the direction of a faculty member. Similar workload to a 72L course. Not eligible for CR/NCR option.

Prerequisite: Minimum GPA of 3.5 in APM and MAT courses.

Permission of the Associate Chair for Undergraduate Studies and of the prospective supervisor

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT299Y1 Research Opportunity Program**

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: None

## **300-Series Courses**

### **MAT301H1 Groups and Symmetries [36L]**

Congruences and fields. Permutations and permutation groups. Linear groups. Abstract groups, homomorphisms, subgroups. Symmetry groups of regular polygons and Platonic solids, wallpaper groups. Group actions, class formula. Cosets, Lagrange theorem. Normal subgroups, quotient groups. Classification of finitely generated abelian groups. Emphasis on examples and calculations.

Prerequisite: MAT224H1/MAT247H1, MAT235Y1/MAT237Y1,

MAT246H1/CSC236H1/CSC240H1. (These Prerequisites will be waived for students who have MAT257Y1)

Exclusion: MAT347Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### **MAT309H1 Introduction to Mathematical Logic [36L]**

Predicate calculus. Relationship between truth and provability; Gödel's completeness theorem. First order arithmetic as an example of a first-order system. Gödel's incompleteness theorem; outline of its proof. Introduction to recursive functions.

Prerequisite: MAT223H1/MAT240H1, MAT235Y1/MAT237Y1,

MAT246H1/CSC236H1/CSC240H1 (These Prerequisites will be waived for students who have MAT257Y1)

Exclusion: CSC438H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

# Mathematics

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## **MAT315H1 Introduction to Number Theory [36L]**

Elementary topics in number theory: arithmetic functions; polynomials over the residue classes modulo  $m$ , characters on the residue classes modulo  $m$ ; quadratic reciprocity law, representation of numbers as sums of squares.

Prerequisite: (MAT223H1/MAT240H1, MAT235Y1/MAT237Y1, MAT246H1/CSC236H1/CSC240H1)/MAT157Y1/MAT247H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT327H1 Introduction to Topology [36L]**

Metric spaces, topological spaces and continuous mappings; separation, compactness, connectedness. Fundamental group and covering spaces. Brouwer fixed-point theorem. Students in the math specialist program wishing to take additional topology courses are advised to obtain permission to take MAT1300H, MAT1301H.

Prerequisite: (MAT157Y1, MAT247H1)/(MAT224H1/MAT247H1, MAT237Y1, MAT246H1 and permission of the instructor).

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT329Y1 Concepts in Elementary Mathematics [72L]**

This course is aimed at students intending to become elementary school teachers. Emphasis is placed on the formation and development of fundamental reasoning and learning skills required to understand and to teach mathematics at the elementary level. Topics may include: Problem Solving and Strategies, Sets and Elementary Logic, Numbers and Elements of Number Theory, Introductory Probability and Fundamentals of Geometry.

The course may include an optional practicum in school classrooms.

Prerequisite: MAT137Y1/MAT138H1/MAT223H1/MAT246H1 and any 7.0 FCE with a CGPA of at least 2.5

Recommended Preparation: Participation in the practicum requires the presentation of an Ontario Police Report that declares suitability to work with minors and other special groups.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT332H1 Introduction to Graph Theory [36L]**

This course will explore the following topics: Graphs, subgraphs, isomorphism, trees, connectivity, Euler and Hamiltonian properties, matchings, vertex and edge colourings, planarity, network flows and strongly regular graphs. Participants will be encouraged to use these topics and execute applications to such problems as timetabling, tournament scheduling, experimental design and finite geometries.

Prerequisite: MAT224H1/MAT247H1

Corequisite: Recommended Corequisite: MAT301H1/MAT347Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT334H1 Complex Variables [36L]**

Theory of functions of one complex variable, analytic and meromorphic functions. Cauchy's theorem, residue calculus, conformal mappings, introduction to analytic continuation and harmonic functions.

Prerequisite: MAT223H1/MAT240H1, MAT235Y1/MAT237Y1/MAT257Y1

Exclusion: MAT354H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT335H1 Chaos, Fractals and Dynamics [36L]**

An elementary introduction to a modern and fast-developing area of mathematics. One-dimensional dynamics: iterations of quadratic polynomials. Dynamics of linear mappings, attractors. Bifurcation, Henon map, Mandelbrot and Julia sets. History and applications.

Prerequisite: MAT137Y1/MAT157Y1/200-level calculus, MAT223H1/MAT240H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT336H1 Elements of Analysis [36L/12T]**

This course provides the foundations of analysis and rigorous calculus for students who will take subsequent courses where these mathematical concepts are central of applications, but who have only taken courses with limited proofs. Topics include topology of  $\mathbb{R}^n$ , implicit and inverse function theorems and rigorous integration theory.

Prerequisite: MAT223H1/MAT240H1, MAT235Y1/MAT237Y1

Exclusion: MAT257Y1, MAT337H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT337H1 Introduction to Real Analysis [36L]**

Construction of Real Numbers. Metric spaces; compactness and connectedness. Sequences and series of functions, power series; modes of convergence. Interchange of limiting processes; differentiation of integrals. Function spaces; Weierstrass approximation; Fourier series. Contraction mappings; existence and uniqueness of solutions of ordinary differential equations. Countability; Cantor set; Hausdorff dimension.

Prerequisite: MAT224H1/MAT247H1,

MAT235Y1/MAT237Y1, MAT246H1; NOTE: These Prerequisites will be waived for students who have MAT257Y1

Exclusion: MAT357H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT344H1 Introduction to Combinatorics [36L]**

Basic counting principles, generating functions, permutations with restrictions. Fundamentals of graph theory with algorithms; applications (including network flows). Combinatorial structures including block designs and finite geometries.

Prerequisite: MAT223H1/MAT240H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT347Y1 Groups, Rings and Fields [72L/24T]**

Groups, subgroups, quotient groups, Sylow theorems, Jordan-Hölder theorem, finitely generated abelian groups, solvable groups. Rings, ideals, Chinese remainder theorem; Euclidean domains and principal ideal domains: unique factorization. Noetherian rings, Hilbert basis theorem. Finitely generated modules. Field extensions, algebraic closure, straight-edge and compass constructions. Galois theory, including insolvability of the quintic.

Prerequisite: MAT257Y1/(MAT247H1 and permission of the instructor)

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**MAT351Y1 Partial Differential Equations [72L]**

Diffusion and wave equations. Separation of variables. Fourier series. Laplace's equation; Green's function. Schrödinger equations. Boundary problems in plane and space. General eigenvalue problems; minimum principle for eigenvalues. Distributions and Fourier transforms. Laplace transforms. Differential equations of physics (electromagnetism, fluids, acoustic waves, scattering). Introduction to nonlinear equations (shock waves, solitary waves).

Prerequisite: MAT267H1

Corequisite: MAT334H1/MAT354H1

Exclusion: APM351Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**MAT354H1 Complex Analysis I [36L]**

Complex numbers, the complex plane and Riemann sphere, Möbius transformations, elementary functions and their mapping properties, conformal mapping, holomorphic functions, Cauchy's theorem and integral formula. Taylor and Laurent series, maximum modulus principle, Schwarz' lemma, residue theorem and residue calculus.

Prerequisite: MAT257Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**MAT357H1 Foundations of Real Analysis [36L]**

Function spaces; Arzela-Ascoli theorem, Weierstrass approximation theorem, Fourier series. Introduction to Banach and Hilbert spaces; contraction mapping principle, fundamental existence and uniqueness theorem for ordinary differential equations. Lebesgue integral; convergence theorems, comparison with Riemann integral,  $L^p$  spaces. Applications to probability.

Prerequisite: MAT257Y1/(MAT327H1 and permission of instructor)

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**MAT363H1 Geometry of Curves and Surfaces [36L]**

Curves and surfaces in 3-spaces. Frenet formulas. Curvature and geodesics. Gauss map. Minimal surfaces. Gauss-Bonnet theorem for surfaces. Surfaces of constant curvature.

Prerequisite: MAT224H1/MAT247H1, MAT237Y1/MAT257Y1

(MAT257Y1 can be taken concurrently)

Exclusion: MAT367H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**MAT367H1 Differential Geometry [36L]**

Manifolds, partitions of unity, submersions and immersions, vector fields, vector bundles, tangent and cotangent bundles, foliations and Frobenius' theorem, multilinear algebra, differential forms, Stokes' theorem, Poincare-Hopf theorem

Prerequisite: MAT257Y1/(MAT224H1, MAT237Y1, MAT246H1, and permission of instructor)

Recommended Preparation: Multivariable calculus (MAT257Y1), Linear algebra (MAT240H1, MAT247H1)

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**MAT382H1 Topics in Mathematics [36L]**

A course in mathematics on a topic outside the current undergraduate offerings. For information on the specific topic to be studied and possible additional prerequisites, go to <http://www.math.toronto.edu/cms/current-students-ug/>

Prerequisite: 2.5 FCE in 100-level or 200-level APM or MAT courses.

Possible additional topic-specific prerequisites.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**MAT390H1 History of Mathematics up to 1700 [36L]**

A survey of ancient, medieval, and early modern mathematics with emphasis on historical issues. (Offered in alternate years)

Prerequisite: At least 1.0 FCE in APM/MAT at the 200 level.

Exclusion: HPS309H1, HPS310Y1, HPS390H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**MAT391H1 History of Mathematics after 1700 [24L/12T]**

A survey of the development of mathematics from 1700 to the present with emphasis on technical development. (Offered in alternate years)

Prerequisite: At least 1.0 FCE in APM/MAT at the 200 level.

Exclusion: HPS309H1, HPS310H1, HPS391H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**MAT395H1 Independent Reading in Mathematics [TBA]**

Independent reading under the direction of a faculty member. Topic must be outside current undergraduate offerings. Similar workload to a 36L course. Not eligible for CR/NCR option.

Prerequisite: Minimum GPA of 3.5 in APM and MAT courses.

Permission of the Associate Chair for Undergraduate Studies and of the prospective supervisor

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**MAT396H1 Independent Reading in Mathematics [TBA]**

Independent study under the direction of a faculty member. Topic must be outside undergraduate offerings. Similar workload to a 36L course. Not eligible for CR/NCR option.

Prerequisite: Minimum GPA of 3.5 in APM and MAT courses.

Permission of the Associate Chair for Undergraduate Studies and of the prospective supervisor

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**MAT397Y1 Research Project in Mathematics [TBA]**

Independent research under the direction of a faculty member. Workload similar to a 72L course. Not eligible for CR/NCR option.

Prerequisite: Minimum GPA of 3.5 in APM and MAT courses.

Permission of the Associate Chair for Undergraduate Studies and of the prospective supervisor.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**MAT398H0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: None

# Mathematics

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## **MAT399Y0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: None

## **400-Series Courses**

### Note

Some courses at the 400-level are cross-listed as graduate courses and may not be offered every year. Please see the Department's graduate brochure for more details.

## **MAT401H1 Polynomial Equations and Fields [36L]**

Commutative rings; quotient rings. Construction of the rationals. Polynomial algebra. Fields and Galois theory: Field extensions, adjunction of roots of a polynomial. Constructibility, trisection of angles, construction of regular polygons. Galois groups of polynomials, in particular cubics, quartics. Insolubility of quintics by radicals.

Prerequisite: MAT301H1

Exclusion: MAT347Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT402H1 Classical Geometries [36L]**

Euclidean and non-euclidean plane and space geometries. Real and complex projective space. Models of the hyperbolic plane. Connections with the geometry of surfaces.

Prerequisite: MAT301H1/MAT347Y1,

MAT235Y1/MAT237Y1/MAT257Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT409H1 Set Theory [36L]**

Set theory and its relations with other branches of mathematics. ZFC axioms. Ordinal and cardinal numbers. Reflection principle. Constructible sets and the continuum hypothesis. Introduction to independence proofs. Topics from large cardinals, infinitary combinatorics and descriptive set theory.

Prerequisite: MAT357H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT415H1 Algebraic Number Theory [36L]**

A selection from the following: finite fields; global and local fields; valuation theory; ideals and divisors; differentials and discriminants; ramification and inertia; class numbers and units; cyclotomic fields; diophantine equations.

Prerequisite: MAT347Y1 or permission of instructor

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT417H1 Analytic Number Theory [36L]**

A selection from the following: distribution of primes, especially in arithmetic progressions and short intervals; exponential sums; Hardy-Littlewood and dispersion methods; character sums and L-functions; the Riemann zeta-function; sieve methods, large and small; diophantine approximation, modular forms.

Prerequisite: MAT334H1/MAT354H1/permission of instructor

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT425H1 Differential Topology [36L]**

Smooth manifolds, Sard's theorem and transversality. Morse theory. Immersion and embedding theorems. Intersection theory. Borsuk-Ulam theorem. Vector fields and Euler characteristic. Hopf degree theorem. Additional topics may vary.

Prerequisite: MAT257Y1, MAT327H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT436H1 Introduction to Linear Operators [36L]**

The course will survey the branch of mathematics developed (in its abstract form) primarily in the twentieth century and referred to variously as functional analysis, linear operators in Hilbert space, and operator algebras, among other names (for instance, more recently, to reflect the rapidly increasing scope of the subject, the phrase non-commutative geometry has been introduced). The intention will be to discuss a number of the topics in Pedersen's textbook *Analysis Now*. Students will be encouraged to lecture on some of the material, and also to work through some of the exercises in the textbook (or in the suggested reference books).

Prerequisite: 5.0 FCE from MAT, including MAT224H1/MAT247H1 and MAT237Y1/MAT257Y1.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT437H1 K-Theory and C\* Algebras [36L]**

The course will begin with a description of the method (K-theoretical in spirit) used by Murray and von Neumann to give a rough initial classification of von Neumann algebras (into types I, II, and III). It will centre around the relatively recent use of K-theory to study Bratteli's approximately finite-dimensional C\*-algebras---both to classify them (a result that can be formulated and proved purely algebraically), and to prove that the class of these C\*-algebras---what Bratteli called AF algebras---is closed under passing to extensions (a result that uses the Bott periodicity feature of K-theory). Students will be encouraged to prepare oral or written reports on various subjects related to the course, including basic theory and applications.

Prerequisite: MAT436H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT445H1 Representation Theory [36L]**

A selection of topics from: Representation theory of finite groups, topological groups and compact groups. Group algebras. Character theory and orthogonality relations. Weyl's character formula for compact semisimple Lie groups. Induced representations. Structure theory and representations of semisimple Lie algebras. Determination of the complex Lie algebras.

Prerequisite: MAT347Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT448H1 Introduction to Commutative Algebra and Algebraic Geometry [36L]**

Basic notions of algebraic geometry, with emphasis on commutative algebra or geometry according to the interests of the instructor. Algebraic topics: localization, integral dependence and Hilbert's Nullstellensatz, valuation theory, power series rings and completion, dimension theory. Geometric topics: affine and projective varieties, dimension and intersection theory, curves and surfaces, varieties over the complex numbers. This course will be offered in alternating years.

Prerequisite: MAT347Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT449H1 Algebraic Curves [36L]**

Projective geometry. Curves and Riemann surfaces. Algebraic methods. Intersection of curves; linear systems; Bezout's theorem. Cubics and elliptic curves. Riemann-Roch theorem. Newton polygon and Puiseux expansion; resolution of singularities. This course will be offered in alternating years.

Prerequisite: MAT347Y1, MAT354H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT454H1 Complex Analysis II [36L]**

Harmonic functions, Harnack's principle, Poisson's integral formula and Dirichlet's problem. Infinite products and the gamma function. Normal families and the Riemann mapping theorem. Analytic continuation, monodromy theorem and elementary Riemann surfaces. Elliptic functions, the modular function and the little Picard theorem.

Prerequisite: MAT354H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT457H1 Advanced Real Analysis I [36L]**

Lebesgue measure and integration; convergence theorems, Fubini's theorem, Lebesgue differentiation theorem, abstract measures, Caratheodory theorem, Radon-Nikodym theorem. Hilbert spaces, orthonormal bases, Riesz representation theorem, compact operators,  $L^p$  spaces, Hölder and Minkowski inequalities.

Prerequisite: MAT357H1

Exclusion: MAT457Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT458H1 Advanced Real Analysis II [36L]**

Fourier series and transform, convergence results, Fourier inversion theorem,  $L^2$  theory, estimates, convolutions. Banach spaces, duals, weak topology, weak compactness, Hahn-Banach theorem, open mapping theorem, uniform boundedness theorem.

Prerequisite: MAT457H1

Exclusion: MAT457Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT464H1 Riemannian Geometry [36L]**

Riemannian metrics. Levi-Civita connection. Geodesics. Exponential map. Second fundamental form. Complete manifolds and Hopf-Rinow theorem. Curvature tensors. Ricci curvature and scalar curvature.

Spaces of constant curvature.

Prerequisite: MAT367H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT475H1 Problem Solving Seminar [TBA]**

This course addresses the question: How do you attack a problem the likes of which you have never seen before? Students will apply Polya's principles of mathematical problem solving, draw upon their previous mathematical knowledge, and explore the creative side of mathematics in solving a variety of interesting problems and explaining those solutions to others.

Prerequisite: MAT224H1/MAT247H1,

MAT235Y1/MAT237Y1/MAT257Y1, and at least 1.0 FCE at the 300+ level in APM/MAT

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT477H1 Seminar in Mathematics [TBA]**

Seminar in an advanced topic. Content will generally vary from semester to semester. Student presentations are required.

Prerequisite: MAT347Y1, MAT354H1, MAT357H1; or permission of instructor.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT482H1 Topics in Mathematics [36L]**

A course in mathematics on a topic outside the current undergraduate offerings. For information on the specific topic to be studied and possible additional prerequisites, go to <http://www.math.toronto.edu/cms/current-students-ug/>

Prerequisite: 6.0 FCE in 100-level, 200-level, and 300-level APM and MAT courses. Possible additional topic-specific prerequisites.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT495H1 Independent Reading in Mathematics [TBA]**

Independent study under the direction of a faculty member. Topic must be outside undergraduate offerings. Workload equivalent to a 36L course. Not eligible for CR/NCR option.

Prerequisite: Minimum GPA of 3.5 in APM and MAT courses.

Permission of the Associate Chair for Undergraduate Studies and of the prospective supervisor

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT496H1 Independent Reading in Mathematics [TBA]**

Independent study under the direction of a faculty member. Topic must be outside undergraduate offerings. Workload equivalent to a 36L course. Not eligible for CR/NCR option.

Prerequisite: Minimum GPA of 3.5 in APM and MAT courses.

Permission of the Associate Chair for Undergraduate Studies and of the prospective supervisor.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **MAT497Y1 Research Project in Mathematics [TBA]**

Independent research under the direction of a faculty member. Not eligible for CR/NCR option. Similar workload to a 72L course.

Prerequisite: Minimum GPA of 3.5 in APM and MAT courses.

Permission of the Associate Chair for Undergraduate Studies and of the prospective supervisor

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## Faculty

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### Professor and Chair of the Department of Molecular Genetics

H. D. Lipshitz, Ph D

### Undergraduate Coordinator

W. W. Navarre, Ph D

### Graduate Coordinator

P. J. Roy, Ph D

### Professors

B. J. Andrews, Ph D  
I. Andrulis, Ph D  
P. Awadalla, Ph D  
B. J. Blencowe, Ph D  
C. Boone, Ph D  
G. Boulliane, Ph D  
J. Brill, Ph D  
J. Brumell, Ph D  
H. Chan, Ph D  
A. W. Cochrane, Ph D  
R. A. Collins, Ph D  
J. Culotti, Ph D  
A. Davidson, Ph D  
J. Dennis, Ph D  
J. Dick, Ph D  
P. Dirks, Ph D  
D. Durocher, Ph D  
S. Egan, Ph D  
J. Ellis, Ph D  
A. Emili, Ph D  
O. Ernst, Ph D  
L. D. Frappier, Ph D  
B. E. Funnell, Ph D  
B. Gallie, Ph D  
S. D. Gray-Owen, Ph D  
J. F. Greenblatt, Ph D  
T. Hudson, Ph D  
C. C. Hui, Ph D  
T. Hughes, Ph D  
M. Justice, Ph D  
D. Kaplan, Ph D  
L. Kay, Ph D  
H. M. Krause, Ph D  
J. Liu, Ph D  
H. McNeill, Ph D  
S. Meyn, Ph D  
F. Miller, Ph D  
M. Moran, Ph D  
L. Osborne, Ph D  
E. Pai, Ph D  
P. Ray, Ph D  
J. Rini, Ph D  
J. M. Rommens, Ph D  
J. Rossant, Ph D  
F. P. Roth, Ph D  
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F. Sicheri, Ph D  
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A. M. Spence, Ph D

I. Stagljar, Ph D  
L. Stein, Ph D  
D. van der Kooy, Ph D  
J. Wrana, Ph D  
Z. Zhang, Ph D  
M. Zhen, Ph D

### Associate Professors

G. Bader, Ph D  
A. L. Bognar, Ph D  
M. Brown, M Sc, Ph D  
B. Ciruna, Ph D  
R. Cohn, Ph D  
S. Cordes, Ph D  
L.E. Cowen, Ph D  
W. B. Derry, Ph D  
A. G. Fraser, Ph D  
A.C. Gingras, Ph D  
S. Joshi-Sukhwal, D Sc, Ph D  
P. Kim, Ph D  
B. D. Lavoie, Ph D  
M. Meneghini, Ph D  
J. Moffat, Ph D  
Q. Morris, Ph D  
W.W. Navarre, Ph D  
J. Parkinson, Ph D  
C. E. Pearson, Ph D  
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I. Scott, Ph D  
C. Smibert, Ph D  
B. Steipe, Ph D  
A. Wilde, Ph D

### Assistant Professors

A. Caudy, Ph D  
J. M. Claycomb, Ph D  
J. Dowling, Ph D  
A. W. Ensminger, Ph D  
S. Hopyan, Ph D  
X. Huang, Ph D  
R. Kafri, Ph D  
T. Kim, Ph D  
J. Lefebvre, Ph D  
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J. Park, Ph D  
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O. Rissland, Ph D  
A. Rosebrock, Ph D  
D. Schramek, Ph D  
M. Taipale, Ph D  
M. Wilson, Ph D

## Introduction

Molecular biology has revolutionized the fields of genetics and microbiology. The Department of Molecular Genetics offers Specialist and Major programs in Molecular Genetics and Microbiology, which emphasize the molecular aspects of both disciplines. Genetics, the science of heredity, and microbiology, the study of microorganisms (microbes), have long served as meeting grounds for a variety of biological disciplines. Developments in genetics and microbiology have contributed greatly to our basic understanding of the fundamental processes of life as well as to the treatment of genetic and infectious diseases.

Of particular significance in molecular genetics has been the development of techniques that permit the isolation, through cloning, of the genes responsible for specific traits, and the detailed analysis of their regulation, interactions, and products. More recently the advent of genome sequencing has fueled efforts to understand in full the information content of the genome and to assign function to every gene, using methods that allow systematic, genome-scale analyses of gene expression, the phenotypic consequences of gene disruption, and the interactions between genes and gene products. Molecular techniques have increased our ability to diagnose and understand viral and bacterial disease, and the complex microbe/host interactions that are involved. The impact of these and other technological advances extend to such diverse fields as plant and animal developmental biology, virology, immunology, cancer biology, and biotechnology. Studies at a molecular level are essential to understanding the consequences to life when fundamental processes are altered by mutation, by infection, or by the environment.

The Molecular Genetics and Microbiology Specialist program is a research-intensive program and is designed to provide strong in-depth training in science, including critical analyses of scientific concepts and literature, advanced laboratory experience, and detailed understanding and application of molecular biology. Specialists enter the program in 2nd year and then choose one of two Streams, called Genetics and Microbiology, by the start of the third year. Each Stream provides focused training, but there is considerable overlap between the streams, reflective of both the cross-disciplinary requirements of these two rapidly evolving disciplines and the impact of each on areas spanning modern biomedical science.

The Molecular Genetics and Microbiology Major program offers students fundamental training in molecular genetics and microbiology. Students tailor their own program and may focus on a microbiology major, a genetic major, or a combination; they choose a path to suit their specific interests. Students take several advanced courses in these disciplines, but the Major allows them to choose the breadth of their training by combining the MGY Major with another Major of interest.

The Department of Molecular Genetics is also a cosponsor of the Major program in Genome Biology, with the Departments of Cell and Systems Biology (CSB), and Ecology and Evolutionary Biology (EEB). See the Biology program listings for details of the Genome Biology Major.

Career opportunities for graduates include employment in research institutes, universities and other educational institutions, and industry. The programs provide excellent preparation for post-graduate research and professional programs.

Undergraduate Coordinator: Dr. W.W. Navarre (email: [mgy.info@utoronto.ca](mailto:mgy.info@utoronto.ca))

Undergraduate Office/General Inquiries: Medical Sciences Building Rm 4290 (416-978-8359; email: [undergrad.molgen@utoronto.ca](mailto:undergrad.molgen@utoronto.ca))

More information is available on our website:  
<http://www.moleculargenetics.utoronto.ca/>

## Molecular Genetics and Microbiology Programs

### Molecular Genetics and Microbiology Specialist (Science program)

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's marks in the 3.0 required first-year courses:

BIO120H1, BIO130H1, (CHM138H1, CHM139H1)/CHM151Y1, and (MAT135H1, MAT136H1)/MAT135Y1/MAT137Y1/MAT157Y1 with an average of at least 80% on these 3.0 full-course equivalents (FCEs) and a final mark of at least 75% in each course.

While it is difficult to predict what will constitute "competitive" course marks in a given year, based on previous years the estimate is: course marks = mid 80s; average = mid 80s.

Achieving these estimated marks does not guarantee admission to the program in any given year.

Note: Students must apply to this program on the Arts & Science Faculty Registrar's Office website (see the Arts & Science Program Enrolment web site for application procedures).

At later times, contact the Undergraduate Coordinator.

(14 full courses or their equivalent)

First Year:

BIO120H1, BIO130H1; (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1; (MAT135H1, MAT136H1)/MAT135Y1/MAT137Y1

First or Second Year:

(PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

Second Year:

BCH242Y1; BIO230H1/BIO255H1, HMB265H1; MGY280H1, CHM247H1, BIO220H1/STA220H1

Third Year:

Genetics Stream:

1. MGY340H1, MGY350H1, MGY311Y1, MGY314H1, MGY315H1
2. One (0.5 full-course equivalent) from BCH340H1, BCH377H1; MGY360H1, MGY377H1, MGY378H1

Microbiology Stream

1. IMM341H1, IMM351H1; MGY311Y1, MGY377H1, MGY378H1, MGY379Y1

Fourth Year:

Genetics Stream:

1. MGY420H1
- plus 2.5 credits from Genetics Lists 1 and 2, distributed as follows:
2. At least 1.5 full-course equivalent must be taken from list 1: MGY425H1, MGY428H1, MGY451H1, MGY470H1
3. Up to 1.0 full-course equivalent may be taken from list 2: BCH440H1, BCH441H1/CSB472H1, BCH447H1, BCH448H1, EEB460H1, MGY434H1, MGY440H1, MGY480Y1

Microbiology Stream:

- 2.5 credits from Microbiology Lists 1 and 2, distributed as follows:
1. At least 1.5 full-course equivalent must be taken from list 1: BCH449H1; IMM428H1, IMM430H1, IMM435H1; LMP402H1, LMP403H1, LMP436H1; MGY428H1, MGY434H1, MGY440H1, MIJ485H1; NFS485H1

# Molecular Genetics and Microbiology

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2. Up to 1.0 full-course equivalent may be taken from list 2:  
BCH441H1/CSB472H1, BCH445H1, MGY360H1, MGY420H1,  
MGY425H1, MGY470H1, MGY480Y1

## Molecular Genetics and Microbiology Major (Science program)

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's marks in the 3.0 required first-year courses:

BIO120H1, BIO130H1, (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1, and (MAT135H1, MAT136H1)/MAT135Y1/MAT137Y1/MAT157Y1, with an average of at least 70% on these 3.0 full-course equivalents (FCEs) and a final mark of at least 60% in each course.

While it is difficult to predict what will be competitive course marks and average in a given year, based on previous years, the estimate is: course marks = mid 70s; average = mid 70s.

Achieving these estimated marks does not guarantee admission to the program in any given year.

Note: Students must apply to this program on the Arts & Science Faculty Registrar's Office website (see the Arts & Science Program Enrolment web site for application procedures).

At later times, contact the Undergraduate Coordinator.

(8 full courses or their equivalent)

First Year:

BIO120H1, BIO130H1; (CHM138H1, CHM139H1)/CHM151Y1;  
(MAT135H1, MAT136H1)/MAT135Y1/ MAT137Y1

Second Year:

BCH210H1; BIO230H1/BIO255H1, BIO260H1/HMB265H1, MGY200H1

Third and Fourth Years:

BCH311H1/CSB349H1/MGY311Y1; 2.5 full-course equivalents from  
MGY314H1, MGY315H1, MGY340H1, MGY350H1, MGY360H1,  
MGY377H1, MGY378H1, MGY379Y1, MGY420H1, MGY425H1,  
MGY428H1, MGY434H1, MGY440H1, MGY451H1, MGY470H1,  
MIJ485H1 (at least 0.5 FCE must be a laboratory course and at least 0.5  
FCE must be a 400-level course, 0.5 credit additional are given if taking  
MGY311Y1 in lieu of BCH311H1/CSB349H1)

## Molecular Genetics and Microbiology Courses

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### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### MGY200H1 Current Topics in Molecular Genetics and Microbiology [24L]

Introduction to the modern era of genetics and microbiology, and its impact on human health. Topical biological problems and cutting-edge scientific approaches with examples from world-class Toronto labs. Topics include: combating HIV; emerging and recurring microbial threats; repairing spinal cord injury; cancer biology; power of stem cells; fountain of youth.

Prerequisite: BIO120H1, BIO230H1

Corequisite: BIO260H1/HMB265H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### MGY250H1 Introduction to Medical Genetics [36L]

An introduction to medical genetics including the "omics" revolution, stem cells, cancer genetics, finding disease-causing mutations, genetic counselling and gene therapy. The course material is delivered online and is approximately equivalent to 36 lecture hours. Midterm and final exam are taken on campus or at a pre-approved site off-campus.

Prerequisite: BIO120H1, BIO130H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

Available Online: consult Faculty or Graduate Unit for details

### MGY277H1 Introduction to Medical Microbiology [36L]

An online introductory survey course that explores the agents of infectious disease including bacteria, viruses, and parasites as well as the host immune response. Other topics include the fundamentals of disease diagnosis and epidemiology. This course will use web-based delivery of lectures and tutorials and utilize a range of communication tools equivalent to approximately three lectures per week. The final exam will require student attendance on the St. George campus.

Prerequisite: BIO120H1, BIO130H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

Available Online: consult Faculty or Graduate Unit for details

### MGY280H1 Second Year Specialist Research [TBA]

This course gives Specialists enrolled in the Molecular Genetics and Microbiology an opportunity to conduct an original research project in the second semester of their second year in one of the active research laboratories in the Department. Laboratory assignments are chosen during the first semester of second year by agreement with a Departmental faculty member and the Undergraduate Coordinator.

Attendance at a weekly meeting is mandatory and students will present a report at the end of term. Details can be found on the departmental website. Not eligible for CR/NCR.

Prerequisite: Admission to the Specialist in Molecular Genetics and

Microbiology Program. Student cannot have completed more than 8.5 FCE

Exclusion: MGY299Y1 and other ROP299Y1 courses

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### MGY299Y1 Research Opportunity Program

Credit course for supervised participation in faculty research project.

Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: None



## **MGY311Y1 Molecular Biology [72L]**

This course examines the design and interpretation of experiments that have led to our current understanding of the biological roles of DNA, RNA and proteins. Intended for students considering graduate or professional work in molecular biology or a related field or wanting a deeper understanding of these topics.

Prerequisite: BIO120H1, BIO230H1, BCH242Y1 (Note: BCH210H1 is acceptable with permission of instructor)

Exclusion: BCH311H1, CSB349H1, JBC372H5(UTM), PSL350H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **MGY314H1 Principles of Genetic Analysis I [12T/36P]**

Laboratory experiments in genetics, with the focus on microbial and prokaryotic genetics. Topics and experiments include mutagenesis and genetic selection, linkage and recombination, genetic crosses, gene regulation, suppressor analyses, and genetic mapping.

Prerequisite: BIO230H1, BIO260H1/HMB265H1

Exclusion: MGY312H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **MGY315H1 Principles of Genetic Analysis II [12T/36P]**

Laboratory experiments in eukaryotic genetics, using two of the most powerful eukaryotic model systems, the yeast *Saccharomyces cerevisiae* and fruit fly *Drosophila melanogaster*. The course follows MGY314H1; topics include analysis of genetic networks and pathways, meiotic segregation analysis, recombination mapping, genetic crosses, and phenotypic analyses.

Prerequisite: BIO230H1, BIO260H1/HMB265H1, MGY314H1

Exclusion: MGY312H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **MGY340H1 Molecular Genetics [36L]**

This course gives students an in-depth understanding of how genetics, the study of mutations and their resulting phenotypes, are used to probe and understand a variety of biological phenomena ranging from metabolism, to development, to cancer.

Prerequisite: BIO120H1, BIO130H1, BIO220H1, BIO230H1, BIO260H1/HMB265H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **MGY350H1 Model Organisms to Disease [36L]**

The concepts of genetics in the context of human development, disease and evolution. Topics include genetic interactions and complex traits, variation in disease phenotype, signalling and development, stem cells and epigenetic regulation.

Prerequisite: BIO120H1, BIO230H1, BIO260H1/HMB265H1

Corequisite: BCH311H1/CSB349H1/MGY311Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **MGY360H1 Whole-Genome Sequencing and Analysis Laboratory [36P]**

The principles and practice of whole-genome sequencing. Each student team will sequence an entire eukaryotic genome and analyze it. Topics will include: modern sequencing technology, yeast husbandry, genomic library construction and quality control, 'next-generation' sequencing, sequence assembly using a reference genome, principles of genome organization, mutation detection and interpretation.

Prerequisite: BIO230H1, BIO260H1/HMB265H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **MGY377H1 Microbiology I: Bacteria [36L]**

An in depth study of bacteria including their structure, their biology, their ability to adapt, and their effects on human health. Provides a foundation for advanced studies in bacterial physiology, bacterial genetics, molecular pathogenesis of disease, immunology, and environmental studies.

Prerequisite: BCH210H1/BCH242Y1; BIO120H1, BIO230H1

Exclusion: BIO370Y5 (UTM)

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **MGY378H1 Microbiology II: Viruses [36L]**

Detailed study of viruses in terms of structure, classification, replication and interaction with the host. Basis for advanced study in virology.

Requires some familiarity with immunology. A concurrent course in immunology (IMM334Y1/335Y1) is recommended.

Prerequisite: BCH210H1/BCH242Y1; BIO120H1, BIO230H1;

BIO260H1/HMB265H1

Corequisite: BCH311H1/CSB349H1/MGY311Y1

Exclusion: BIO351Y1, CSB351Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **MGY379Y1 Microbiology Laboratory [24L/72P]**

Laboratory experiments will teach important concepts and provide students with hands-on experience in working safely with medically-important bacteria and viruses. Analysis of the results will help to develop skills in data analysis. Valuable not only for advanced work in microbiology but also in related fields that make use of bacteria and viruses as research tools. Topics include molecular techniques for identification and characterization of bacteria and viruses, biofilms, antibiotic resistance, site-directed mutagenesis, communication of bacteria with each other and their environment, propagation and assay of viruses, host response to infection, viral vectors.

Prerequisite: BIO120H1, BIO230H1, BIO260H1/HMB265H1

Corequisite: MGY377H1, MGY378H1

Exclusion: MGY376H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **MGY420H1 Regulation of Gene Expression [24L]**

Regulatory mechanisms controlling gene expression in eukaryotes; students will read, discuss, and present the primary research literature in class. Topics include: assembly of the initiation complex; roles of transcription factors, co-activators and cis-acting regulatory elements; promoter escape; mechanisms that control elongation, termination and anti-termination of transcription; chromatin control of transcription.

Prerequisite: BCH311H1/CSB349H1/MGY311Y1

Exclusion: BIO477H5 (UTM)

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **MGY425H1 Signal Transduction and Cell Cycle Regulation [24L]**

This course presents and integrates molecular aspects of signal transduction and cell cycle regulation in eukaryotic cells from yeast to humans. Emphasis is on recent advances in growth factor receptor signalling, modular protein domains, and the recurrent role of protein phosphorylation and protein-protein interactions in cell regulation.

Prerequisite: BCH311H1/MGY311Y1

Distribution Requirement Status: Science

# Molecular Genetics and Microbiology

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Breadth Requirement: Living Things and Their Environment (4)

## **MGY428H1 Functional Genomics [24L]**

A broad ranging course that covers many aspects of genomics, which is the discipline of defining and attributing function to all of the heritable material of an organism on a genome-wide scale, as applied to microbes, invertebrates and vertebrates. The primary and review literature will be the basis of all lectures.

Prerequisite: BCH210H1/BCH242Y1; BIO260H1/HMB265H1;  
MGY311Y1/CSB349H1/BCH311H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **MGY434H1 Bacterial Signalling and Physiological Regulation [36L]**

An in-depth look at bacteria, their evolution and genomes, and how they sense their environment and adapt to environmental stimuli. Topics discussed include the human microbiome, modern bacterial genomics and metagenomics and how they affect diagnosis and treatment of disease, bacterial community structures including biofilms and quorum sensing, and the contribution of metabolism to disease and stress resistance.

Prerequisite: BCH210H1/BCH242Y1, BCH311H1/CSB349H1/  
MGY311Y1, MGY377H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **MGY440H1 Virus-Host Interactions [36L]**

Analysis of virus/host interactions at the molecular level with a view to understanding how viruses cause disease. Course material is based on recent research publications. Topics may include: virus entry and intracellular trafficking, activation of host cell signalling pathways, viral and host determinants of tissue tropism within the host and transmission between hosts.

Prerequisite: BCH311H1/CSB349H1/ MGY311Y1;  
CSB351Y1/MGY378H1

Recommended Preparation: IMM334Y1/IMM335Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **MGY451H1 Genetic Analysis of Development I [24L]**

Basic and advanced principles of genetic analysis applied to the study of two of the best-understood eukaryotic model organisms: the yeast *Saccharomyces cerevisiae* and the nematode worm *Caenorhabditis elegans*. We emphasize the use of genetic approaches to address problems in cell biology and development, such as the regulation of cell fate. Much of the knowledge gained from these simple organisms has proven broadly applicable, and the same principles of developmental genetic analysis underlie efforts to understand the development of more complex organisms.

Prerequisite: BIO260H1/HMB265H1,  
MGY311Y1/CSB349H1/BCH311H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **MGY452H1 Genetic Analysis of Development II [24L]**

This companion course to MGY451H1 moves on to cover the more complex animal models of development and disease - the fruit fly, zebrafish and mouse. Advanced genetic principles and approaches used in the study of these animals are introduced, and applied to highly conserved genetic and molecular processes that give rise to common structures such as the limbs, nervous system and eyes. Students completing this course should be able to understand and evaluate any study that makes use of these three major model systems.

Prerequisite: BIO260H1/HMB265H1,  
MGY311Y1/CSB349H1/BCH311H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **MGY470H1 Human and Molecular Genetics [24L]**

Current aspects of human and molecular genetics including: chromosome structure and function, inheritance of mutations and disease, the human genome and disease gene mapping, cancer genetics, mouse disease models and gene based diagnostics and therapies.

Prerequisite: BCH311H1/MGY311Y1 (Note: CSB349H1 is acceptable with permission of the instructor)

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **MGY480Y1 Special Research Project [TBA]**

An opportunity for specialized individual research in molecular genetics and microbiology by arrangement with the course coordinator. Students are required to perform an original research project and attend relevant research seminars. Not eligible for CR/NCR option.

Prerequisite: BCH371H1/MGY312H1/MGY314H1/MGY315H1/MGY376  
H1/MGY379Y1, MGY311Y1/BCH311H1/CSB349H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **MIJ485H1 Vaccines and Immunity [36L]**

Analysis of the strategies used by pathogenic microbes to evade specific and innate immune responses, and the strategies used to combat infectious disease using vaccines, with an emphasis on molecular and immunological aspects. Special topics include: molecular basis of pathogenicity and immune-evasion strategies; vaccination strategies; challenges to vaccine implementation (given jointly by the Departments of Molecular Genetics and Immunology).

Prerequisite: IMM350H1/IMM351H1 (IMM334Y1/IMM335Y1),  
MGY377H1, MGY378H1

Exclusion: MBY480H1, MGY485H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## Faculty

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### Professor

J. Wong, MA, PhD

### Associate Professor

R. Levi, BCL, LLB, LLM, SJD

### Assistant Professor

T. Kramarz, MA, MSc, PhD

## Munk One

Munk One, provided by the Munk School of Global Affairs, provides first-year students with an interdisciplinary program focused on innovation and global problem-solving, investigating the central questions that lie at the heart of teaching and research in the Munk School of Global Affairs, namely issues of global institutions, markets and civil society. Through case studies of some of the most complex challenges worldwide, students in Munk One will examine innovations that have succeeded and failed, when innovation occurs, how innovation can be fostered, and how obstacles to innovation can be overcome. Students, faculty members, and practitioners working together draw on the breadth of interdisciplinary research and teaching in the Munk School to examine problems and solutions for complex global problems.

The Munk One experience integrates small group seminars with hands-on research and analysis of global problems. Limited to an enrolment of 25, students in Munk One enroll in the two (2.0 FCE) courses offered in the Program. The seminar courses promote small-group discussion and emphasize research, analytical, and presentation skills. A lab course gives students the unique opportunity to tackle real-world problems with faculty and graduate students, building connections with their coursework through research-based opportunities that identify problems around the globe and seek to address them through innovative and empirically-grounded solutions. Beyond the classroom, Munk One engages students in the dynamic global conversation occurring in the Munk School, and offers students a vast array of co-curricular offerings such as access to the Munk School's 500 events each year, insights from leading practitioners, field visits, leadership events, curated readings and films. In the summer following their first year, Munk One offers students opportunities to apply these skills in the field by taking part in courses offered in places like Argentina, Israel and Singapore.

By focusing on innovation throughout their foundational year, undergraduate students will receive early immersion in leading thinking on the current global architecture across the sciences, professional fields, humanities, and with perspectives drawn from around the world. Because of the intensive intellectual experience that Munk One will provide, we deliver these offerings through collaboration with the School's flagship Master of Global Affairs Program. The result is a unique bridging of foundational year undergraduate education with the insights being developed in the School's professional graduate program. In so doing, we expect that Munk One: Global Innovation will build a community of undergraduate students who are passionate about the increasingly interconnected and multipolar world in which we live, and who are also linked in closely with the graduate and professional student cohorts pursuing related questions across the Munk School.

The course offerings for Munk One are specifically designed to meet these goals. Global Innovation I: Issues and Perspectives emphasizes innovation as a key driver of economic growth, population health, and societal success. Relying on contemporary and historical cases across

the globe, this course engages students on the question of when innovation occurs, how to identify moments of innovation, motivates students to explore who benefits from innovation and how innovation can be fostered. Global Innovation II: Challenges and Solutions, pushes students to explore the potential problems that often limit or hamper innovation –such as the challenges of implementation and scale. In so doing, students engage directly with the problem-solving approach that is also core to the Munk School's graduate program, by relying on case studies of some of the most complex challenges worldwide, and examining interventions that have succeeded and failed to address them.

As identified above, in addition to seminar courses and co-curricular activities, students in Munk One will each be placed in research labs working on real-world global problems, such as digital governance, environment, global health, ethnic conflict and security, and economic development. Through these laboratory opportunities students will work with interdisciplinary teams to conduct research, develop reports, participate in roundtables, and learn how to identify and address complex global problems. These labs uniquely provide students a platform to draw from and refine their Foundational Year experience. Students will gain experience in a structured multidisciplinary approach to addressing global problems, engage in innovative global problem-solving, and drill down on substantive areas of interest within the field of global affairs.

Munk One students intending to pursue Peace, Conflict and Justice or Contemporary Asian Studies programs (undergraduate programs run through the Munk School of Global Affairs), are also eligible to count some of their Munk One coursework toward their degree requirements.

All first-year students in the faculty of Arts and Science (St. George campus) are eligible for admission. Students must submit an online application with a personal statement.

Program Director: Teresa Kramarz, [teresa.kramarz@utoronto.ca](mailto:teresa.kramarz@utoronto.ca)

Program Administrator: Kevin Rowley, [munk.one@utoronto.ca](mailto:munk.one@utoronto.ca) or 416-946-0326.

## Munk One Courses

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### MUN101H1 Global Innovation I: Issues and Perspectives [24L]

Innovation has always been a key driver of economic growth, population health, and societal success. Transformative change has historically been linked to major innovations such as urban sanitation, pasteurization, the printing press and the industrial revolution. Currently, the opportunity to enhance life chances worldwide relies on innovating for the poor, social innovation, and the ability to harness scientific and technological knowledge. What precisely is innovation? When does innovation happen? Who benefits from innovation? How can innovation be fostered, and how do innovations spread? Relying on major global transformations and country-specific case studies (for example, South Korea, Taiwan, Israel and India), this course examines the drivers of innovation, the political, social, economic, and scientific and technological factors that are critical to promoting innovation and addressing current global challenges, and the consequences of innovation. Not eligible for CR/NCR option.

Prerequisite: Admission to Munk One

Exclusion: Innis One, New One, St. Mike's One, Trinity One, UC One, Vic One, Woodsworth One

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **MUN102H1 Global Innovation II: Challenges and Solutions [24L]**

Governing public goods has been an age-old concern for social scientists and policymakers alike. This is not surprising since the provision of global public goods is riddled by problems of collective action. In this course, we focus on how to implement solutions through states, markets and communities.

The first objective is to familiarize students with the concept of global public goods, the different mechanisms that can provide these goods and the challenges that emerge from lacking incentives to secure their provision. To this end, the course will introduce theories from sociology, political science, philosophy, and history to help us understand different types of governance mechanisms and how they may be used to scale global solutions. Theories can help us explain the tensions between cooperating for the public good at the expense of sacrificing individual goals, or why certain areas of our lives, like the Internet, seem to produce public goods without any formal mechanism of cooperation.

The second objective is to use the class and subject of study as an arena to model and practice the kind of learning that is expected of university students. The main skills that the course will help students target and develop are: research (finding, evaluating and assimilating reliable information); writing (developing ideas into logically written arguments); and critical analysis of arguments presented in the readings and debated in class (this includes identifying the key assumptions that are implicit in different theories as well as inherent in our own positions on various questions related to governance). Not eligible for CR/NCR option.

Prerequisite: Admission to Munk One

Exclusion: Innis One, New One, St. Mike's One, Trinity One, UC One, Vic One, Woodsworth One

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **MUN105Y1 Global Problem-Solving: Laboratory Opportunities [48L]**

This course teaches students how to conduct analytically rigorous social science research to improve their insights into complex global problems and devise innovative solutions to address them. A unique feature of this class is that students have the opportunity to learn by doing. Students work hands-on in one of several labs dealing with some of the most intractable global problems of our time in the areas of the environment, health, digital governance, security and the gap between rich and poor.

By the end of this course students will be able to:

1. Experience and practice the process of social science **research**
2. **Narrow** the scope of a complex global challenge into a manageable research problem that can be tackled over the course of the semester
3. Improve their knowledge and **insights** on a particular global problem
4. Develop a viable, compelling and implementable **solution** that can help address an aspect of a global problem
5. **Pitch** a solution in a compelling way to a jury of experts in global affairs

Students will work with their peers in small seminar classes and lab group settings, mentored by graduate teaching assistants specializing in global affairs, expert faculty and senior policy advisors dedicated to addressing global issues in the fields of the environment, health, security, digital governance and political economy. Not eligible for CR/NCR option.

Prerequisite: Admission to Munk One

Exclusion: Exclusion: Innis One, New One, St. Mike's One, Trinity One, UC One, Vic One, Woodsworth One

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## Faculty

### Professors

R. Elliott, MA, Ph D (M)  
 J. Haines, MA, Ph D (T)  
 J. Kippen, Ph D (T)  
 M.A. Parker, MM, Ph D (M)  
 C. Clark, MA, Ph D (T)  
 G.S. Johnston, MA, Ph D

### Associate Professor

J. Pilzer, MA, Ph D

### Assistant Professors

F. Hemmasi, MA, Ph D  
 J. Packman, MA, Ph D

## Faculty: Music Theory and Composition

### Professors

C. Hatzis, M Mus, Ph D  
 D. McLean, MA, Ph D

### Associate Professors

R. McClelland, Ph D  
 N. Palej, DMA

### Assistant Professor

S. Vande Moortele, MA, PhD

### Senior Lecturers

J. Kruspe, Mus Bac  
 G. Kulesha  
 D. Patrick, Mus M  
 A. Rapoport, MA, Ph D  
 M. Sallmen, MA, Ph D

### Lecturer

L. Kuzmenko, Mus Bac

## Faculty: Performance

### Full Professors

H. Apfelstadt, Ph D  
 G. Foote, MA  
 G. MacKay, M Mus, DM

### Associate Professor

T. Promane, Hons Dip Mus

### Senior Lecturer

J. Reynolds, M Mus, Ph D

## Introduction

In the Faculty of Arts and Science, Music is approached as one of the liberal arts and taught as cultural history. This humanistic emphasis aims at a high degree of correlation with other disciplines such as Fine Art,

Cultural Anthropology, Languages and Literatures, History, and Philosophy. Note that unlike students in the Mus.Bac. program at the Faculty of Music, students in the Specialist and Major programs are not given individual applied music instruction (e.g. piano or voice lessons). They are, however, offered a thorough grounding in musicology, and strong training in both ethnomusicology and music theory, with the option of increasing their exposure to the latter two disciplines via their upper-year option courses.

The courses with the prefix MUS are open to any student of the University. Even students with a strong music background should find them stimulating explorations of the world of music.

Students wishing to enter the Specialist or Major Program should examine the courses listed under HMU History of Music and TMU Theory of Music in the Faculty of Music Calendar. First-year specialist/major courses are available to a small number of students, who are admitted to them by audition and interview during Registration week. Those interested in ethnomusicology and the study of world music may audition on the basis of their comparable accomplishments in a non-Western instrumental or vocal performing tradition. All students are required to have completed Advanced Rudiments and Basic Harmony from the Royal Conservatory of Music or acceptable equivalents as prerequisites, prior to the audition-interview. Knowledge of Western music history and theory ensures that students are not disadvantaged when facing the curricular requirements of the program. In this program the humanistic and historical approach is supported by courses in music theory which provide craft and analytical tools. The Specialist Program provides excellent preparation for a variety of professional activities including music criticism, library science, positions in the publishing, broadcasting, and recording industries, as well as for graduate studies in musicology, ethnomusicology, and music theory, leading to careers in university teaching. The program leads to the degree of Bachelor of Arts (honours). For programs leading to the degree of Bachelor of Music, the student should consult the Calendar of the Faculty of Music.

Students are encouraged to attend events sponsored by the Faculty of Music such as the Thursday Noon and Faculty Artists' Series, opera productions and numerous concerts. For information refer to [www.music.utoronto.ca](http://www.music.utoronto.ca) or telephone 416-978-3744.

Faculty of Music Representative: Professor R. McClelland, Associate Dean, Edward Johnson Building, Room 256 (416-946-0802); email: [ryan.mcclelland@utoronto.ca](mailto:ryan.mcclelland@utoronto.ca)

Enquiries: Jennifer Panasiuk, Admissions Officer, Edward Johnson Building, Room 145 (416-978-3741); email: [undergrad.music@utoronto.ca](mailto:undergrad.music@utoronto.ca)

## Music Programs

Enrolment in HMU and TMU courses, and, therefore, in the Specialist and Major programs, is limited to students who pass the audition-interview, held on September 6, 2016. Students are required to complete and submit the Student Profile available on-line at [www.music.utoronto.ca](http://www.music.utoronto.ca) prior to August 12, 2016. Hard copies are available from the Faculty of Music Registrar's Office. You will then be assigned an audition time. Prospective candidates must perform at the Royal Conservatory of Music Grade Eight level, and demonstrate that they have RCM Advanced Rudiments (formerly Grade Two Rudiments) and RCM Basic Harmony (formerly Grade Three Harmony) or equivalents. Students interested in pursuing the Major or Specialist with the Ensemble option are required to pass an additional audition-interview for ensemble placement. Please refer to MUS120Y1. An information sheet is available at the Faculty of Music and online at [www.music.utoronto.ca](http://www.music.utoronto.ca) under "Music for Arts & Science Students". (Note: No audition is required for the Music Minor program, see below.)

# Music

## Music Specialist (Arts program)

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(10 full courses or equivalent)

### First Year:

HMU111H1, HMU126H1, TMU115H1, TMU140Y1 (2.5 FCE)

### Higher Years:

1. HMU225H1, HMU240H1 or HMU245H1, TMU240Y1 (2.0 FCE)
2. Six of the following half-courses: HMU425H1, HMU426H1, HMU430H1, HMU431H1, HMU432H1, HMU433H1, HMU435H1, HMU450H1 (3.0 FCE)
3. 1.5 FCE in music history (HMU) or music theory (TMU) with at least 1.0 FCE at the 300-level (1.5 FCE)
4. 1.0 FCE at the 100-level or above in a language other than English (1.0 FCE)

## Music Specialist with Ensemble Option (Arts program)

Enrolment in HMU and TMU courses, and, therefore, in the Specialist and Major programs, is limited to students who pass the audition-interview, held September 6, 2016. Students are required to complete and submit the Student Profile available on-line at [www.music.utoronto.ca](http://www.music.utoronto.ca) prior to August 12, 2016. Hard copies are available from the Faculty of Music Registrar's Office. You will then be assigned an audition time. Prospective candidates must perform at the Royal Conservatory of Music Grade Eight level, and demonstrate that they have RCM Advanced Rudiments (formerly Grade Two Rudiments) and RCM Basic Harmony (formerly Grade Three Harmony) or equivalents. Students interested in pursuing the Major or Specialist with the Ensemble option are required to pass an additional audition-interview for ensemble placement. Please refer to MUS120Y1. An information sheet is available at the Faculty of Music and online at [www.music.utoronto.ca](http://www.music.utoronto.ca) under "Music for Arts & Science Students". (Note: No audition is required for the Music Minor program, see below.)

(11.5 full courses or equivalent)

### First Year:

HMU111H1, HMU126H1, MUS120Y1, TMU115H1, TMU140Y1 (3.5 FCE)

### Higher Years:

1. HMU225H1, HMU240H1 or HMU245H1, TMU240Y1 (2.0 FCE)
2. MUS220Y1 (1.0 FCE)
3. Six of the following half courses: HMU425H1, HMU426H1, HMU430H1, HMU431H1, HMU432H1, HMU433H1, HMU435H1 (3.0 FCE)
4. 1.0 FCE in music history (HMU) or music theory (TMU) at the 300+ level (1.0 FCE)
5. 1.0 FCE at the 100-level or above in a language other than English

(1.0 FCE)

## Music Major (Arts program)

Enrolment in HMU and TMU courses, and, therefore, in the Specialist and Major programs, is limited to students who pass the audition-interview, held on September 6, 2016. Students are required to complete and submit the Student Profile available on-line at [www.music.utoronto.ca](http://www.music.utoronto.ca) prior to August 12, 2016. Hard copies are available from the Faculty of Music Registrar's Office. You will then be assigned an audition time. Prospective candidates must perform at the Royal Conservatory of Music Grade Eight level, and demonstrate that they have RCM Advanced Rudiments (formerly Grade Two Rudiments) and RCM Basic Harmony (formerly Grade Three Harmony) or equivalents. (Note: No audition is required for the Music Minor program, see below.)

(7 full courses or equivalent)

### First Year:

HMU111H1, HMU126H1, TMU115H1, TMU140Y1 (2.5 FCE)

### Higher Years:

1. HMU225H1, TMU240Y1 (1.5 FCE)
2. 2.0 FCE in music history (HMU), including at least one half-course at the 300+ level and one half-course at the 400-level (2.0 FCE)
3. 1.0 FCE at the 300+ level in music history (HMU) or music theory (TMU) (1.0 FCE)

## Music Major with Ensemble Option (Arts program)

Enrolment in HMU and TMU courses, and, therefore, in the Specialist and Major programs, is limited to students who pass the audition-interview, held on September 6, 2016. Students are required to complete and submit the Student Profile available on-line at [www.music.utoronto.ca](http://www.music.utoronto.ca) prior to August 12, 2016. Hard copies are available from the Faculty of Music Registrar's Office. You will then be assigned an audition time. Prospective candidates must perform at the Royal Conservatory of Music Grade Eight level, and demonstrate that they have RCM Advanced Rudiments (formerly Grade Two Rudiments) and RCM Basic Harmony (formerly Grade Three Harmony) or equivalents. Students interested in pursuing the Major or Specialist with the Ensemble option are required to pass an additional audition-interview for ensemble placement. Please refer to MUS120Y1. An information sheet is available at the Faculty of Music and online at [www.music.utoronto.ca](http://www.music.utoronto.ca) under "Music for Arts & Science Students". (Note: No audition is required for the Music Minor program, see below.)

(8 full courses or equivalent)

### First Year:

HMU111H1, HMU126H1, MUS120Y1, TMU115H1, TMU140Y1 (3.5 FCE)

### Higher Years:

1. HMU225H1, TMU240Y1 (1.5 FCE)
2. MUS220Y1 (1.0 FCE)
3. 1.0 FCE in music history (HMU) at the 300+ level, including at least one half-course at the 400-level (1.0 FCE)
4. 1.0 FCE at the 300+ level in music history (HMU) or music theory (TMU) (1.0 FCE)

**Music History & Culture Minor**

(4 full courses or equivalent)

1. MUS110H1, MUS111H1
2. MUS200H1 or an alternative 200-level course in world music (MUS209H1, MUS211H1, MUS212H1, or MUS215H1)
3. 2.5 MUS courses from the list below, including one full course at the 300+ level. Either MUS120Y1 or MUS220Y1 can be counted towards the 2.5 MUS courses

**Music Courses**

**First Year Seminars**

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

**MUS courses offered in 2016-2017**

**MUS110H1 Introduction to Music History and Culture [24L]**

Introduction to form, style and the interrelationship of music and culture. A basic ability to read music is required.

Exclusion: HMU111H1, VPMA80H3

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**MUS120Y1 Vocal and Instrumental Ensembles I [144P]**

Students rehearse and perform in concerts and reading sessions as assigned by the Faculty of Music. Provides experience in choral groups, orchestra, or in concert band and large wind groups of diverse instrumentation. Development of musicianship skills through performance of large ensemble works; emphasis on sight-reading, ear-training, and musical knowledge.

Attendance at all sessions is required. Placement audition and permission of the Department required.

Download the excerpt that is relevant to the instrument you would like to audition on; excerpts will be available at [www.music.utoronto.ca](http://www.music.utoronto.ca) beginning early July. Complete and return the MUS120Y1 & MUS220Y1 Audition Request Form before August 12, 2016.

Once your request form is received, you will be notified of your audition time. Placement audition will be held on September 7, 2016 in the Edward Johnson Building. The audition will be 10 minutes in length.

Exclusion: MUS291Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**MUS209H1 Performing Arts of South Asia [24L]**

Survey of classical, devotional, folk and popular musics and dances from the Indian subcontinent and their toll in the sociocultural life of the region.

No prior background in music or ability to read music is required.

Exclusion: HMU111H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**MUS211H1 The World of Popular Music [24L]**

A survey of popular music traditions from various regions of the world with particular emphasis on the sociocultural contexts in which those musics are created and appreciated. Explores the role of the recording industry, media, festivals, and local institutions in shaping these music cultures both at home and in the international arena. No prior background in music or ability to read music is required.

Exclusion: HMU111H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**MUS220Y1 Vocal and Instrumental Ensembles II [144P]**

Students rehearse and perform in concerts and reading sessions as assigned by the Faculty of Music. Provides experience in choral groups, orchestra, or in concert band and large wind groups of diverse instrumentation. Development of musicianship skills through performance of large ensemble works; emphasis on sight-reading, ear-training, and musical knowledge. Attendance at all sessions is required. Placement audition and permission of the Department required. Download the excerpt that is relevant to the instrument you would like to audition on; excerpts will be available at [www.music.utoronto.ca](http://www.music.utoronto.ca) beginning early July. Complete and return the MUS120Y1 & MUS220Y1 Audition Request Form before August 12, 2016. Once your request form is received, you will be notified of your audition time. Placement audition will be held on September 7, 2016 in the Edward Johnson Building. The audition will be 10 minutes in length.

Prerequisite: MUS120Y1. Placement audition and permission of the Department required.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**MUS240H1 Heavy Music**

An investigation of different world genres of "heavy music" as creations of sounding figures of social order, practices of destruction, practices of personal and collective power, social critique, parody, and so on. Includes obvious suspects—metal, punk, gangsta rap—but also opera, military musics, ritual musics, and others.

Prerequisite: None

Corequisite: None

Exclusion: HMU111H1

Recommended Preparation: None

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**MUS308H1 Handel [24L]**

Handel's life and music will be examined in its cultural contexts.

Exclusion: HMU111H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**MUS335H1 A Social History of the Piano [24L]**

A survey of the changing roles and gendered associations of the piano c.1700 to the present day. Examples from the western art music tradition are compared to the acculturating force of the piano in other cultures, representations in the visual arts and film, and contemporary contexts of piano performance.

Exclusion: VPMB76

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## Future MUS Offerings

### **MUS111H1 Historical Survey of Western Music**

Historical survey of Western art music from the Middle Ages to the present. A basic ability to read music is required.

Exclusion: HMU111H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **MUS200H1 Music of the World's Peoples [24L]**

A survey of musical traditions from various regions of the world, with particular emphasis on the sociocultural contexts in which those musics are created and appreciated. No prior background in music or ability to read music is required.

Exclusion: HMU111H1, VPMA99H3

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **MUS202H1 Beethoven [24L]**

A study of Beethoven's musical style in historical context, including a non-technical consideration of Beethoven's innovations based on listening to music and reading history. No prior background in music or ability to read music is required.

Exclusion: HMU111H1, VPMC85H3

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **MUS204H1 The Age of Bach & Handel [24L]**

A study of the representative major works in their social and cultural setting with emphasis on the high baroque style of Bach and Handel. No prior background in music or the ability to read music is required.

Exclusion: HMU111H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **MUS206H1 The World of Opera [24L]**

Examination of selected operas from the eighteenth to the early twentieth century. Musical and dramatic styles will be considered in their cultural context. The ability to read music is not required.

Exclusion: HMU111H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **MUS207H1 Music for Orchestra [24L]**

Study of selected orchestral works from 1700 to the present. No prior background in music or ability to read music is required.

Exclusion: HMU111H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **MUS210H1 Music in Film [24L]**

The theory and practice of how music is used in a variety of film genres, drawing on case studies from different eras in film history. Examples will be drawn primarily from European and North American cinema.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **MUS212H1 Performing Arts of the Middle East, North Africa and Central Asia [24L]**

An investigation of the social life of classical, devotional, folk and popular music and dance from across the Middle East, North Africa and Central Asia.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **MUS215H1 Performing Arts of East Asia [24L]**

An investigation of the social life of classical, devotional, theatrical, folk, and popular music and dance across East Asia.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **MUS225H1 Music: Islamic World [24L]**

A survey of the musical systems of Muslim societies from North Africa to Southeast Asia, with special focus on the broader cultural contexts in which they are created, used, and appreciated. No prior background in music or ability to read music is required.

Exclusion: HMU111H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **MUS230H1 Music of the 1960s [24L]**

Examination of musical and cultural aspects of the decade, with emphasis on North America. No prior background in music or ability to read music is required.

Exclusion: HMU111H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **MUS235H1 Survivors' Music [24L]**

Investigating music's myriad roles in the lives of survivors of violence and traumatic experience, for example, in health and recovery, witnessing, and advocacy—and the hidden histories these musics reveal. We encounter survivors of the Holocaust, Hiroshima, the Japanese "comfort women" system, and quotidian domestic and sexual violence.

Exclusion: HMU111H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **MUS300H1 Music, Media and Technology [24L]**

This course explores some of the ways in which music has been shaped through history, and particularly during the last 100 years, by technology and the media. Special attention will be paid to the record industry, broadcasting, and cinema. Examples from popular and art music traditions of the world will be used to illustrate the symbolic relationship between music and media. No prior background in music or ability to read music is required.

Exclusion: HMU111H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **MUS302H1 Symphony [24L]**

Masterpieces in the symphonic genre from the eighteenth to the twentieth centuries. No prior background in music or ability to read music is required.

Exclusion: HMU111H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)



## **MUS303H1 Music in the Contemporary World [24L]**

The modern musical repertoire, including popular and traditional music from various parts of the world, will be studied from a variety of theoretical perspectives. No prior background in music or ability to read music is required.

Exclusion: HMU111H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **MUS305H1 Latin American and Caribbean Music [24L]**

A survey of popular, folk, and religious music from Latin America and the Caribbean. Each practice will be considered in its socio-cultural context with attention to the histories and discourses of racial and cultural mixing that deeply inform everyday life in nation-states including Peru, Brazil, Haiti, and Jamaica among others.

Exclusion: HMU111H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **MUS306H1 Popular Music in North America [24L]**

A selected survey of North American popular music from the 1930s through present. Students will develop a critical framework for listening to and analyzing popular music in historical and social context by focusing on aspects of performance, representation, composition, mass media, aesthetics, and commodification. No prior background in music or ability to read music is required.

Exclusion: HMU111H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **MUS315H1 North American Vernacular Music [24L]**

Explores vernacular music in North America, considering how musical performances and festivals of vernacular music map local, regional, and ethnic identities in North America. Specific case studies will include Scottish Highland, Tejano Conjunto, Métis Fiddling, Powwow, and Zydeco. No prior background in music or ability to read music is required.

Exclusion: HMU111H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **MUS321H1 The Beatles [24L]**

In *The Ultimate Encyclopedia Of Rock*, it was written of the The Beatles that "From three-minute pop classics to the psychedelic extravaganza of 'Sgt. Pepper', their songs soundtracked the Sixties. They were the greatest group in history. They probably always will be". In addition to a survey of the group's history, their recordings, and their films, this course aims to answer two basic questions: (1) what made the songs of The Beatles so successful? (2) in what ways did the band's artistic output "soundtrack" the 1960s? No prior background in music or ability to read music is required.

Exclusion: HMU111H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **MUS325H1 The Age of Haydn & Mozart [24L]**

Selected works from the second half of the eighteenth century by Haydn, Mozart, and their contemporaries will be examined in cultural and historical context. No prior background in music or ability to read music is required.

Exclusion: HMU111H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **MUS330H1 Music, Violence, and War [24L]**

An inquiry into the social life of music in situations of violence, war, social domination, and traumatic experience. Case studies include music and African-American slavery, the First World War, Nazi Germany and the Holocaust, the Asia-Pacific War, Khmer Rouge Cambodia, the Iraq Wars and others.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **MUS340H1 20th Century Music for Theatre [24L]**

An examination of the role that music has played in modern Western theatre, with specific case studies drawn from one or more of the following genres: ballet, modern dance, musical theatre, opera, spoken theatre.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **MUS408H1 Wagner [24L]**

A study of the life and works of the composer Richard Wagner, and of his influence on European cultural life from his time to the present day.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **Victoria College Courses**

The following courses offered by Victoria College can be counted towards the Music History & Culture Minor: VIC270H1 (Listening: A Critical History), VIC281H1 (Popular Music, Technology, and the Human), VIC370H1 (Music and the Imagination), VIC470H1 (Soundscapes).

## **HMU, TMU Faculty of Music Courses**

### **HMU111H1 Introduction to Music and Society [24L/12T]**

An examination of musical thought and practice in Western and non-Western traditions.

Prerequisite: Permission of Department

Corequisite: TMU115H1, TMU140Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **TMU115H1 Musical Skills I & II [24L/36T]**

Reading and listening skills for diatonic and chromatic materials. Topics include sight singing, rhythm reading, keyboard harmony, and dictation.

Prerequisite: Permission of Department

Corequisite: TMU140Y1; HMU111H1

Exclusion: TMU132H1, TMU133H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **TMU140Y1 Music Theory I & II [48L/24T/24P]**

Diatonic harmony, including principles of voice leading and harmonic progression. Chromatic harmony, including modulation, mixture, Neapolitan and augmented sixths. Course requirements include part-writing, analysis, and keyboard harmony/skills.

Prerequisite: Advanced Rudiments, Basic Harmony (RCM), Grade 8 level performing audition, permission of Department

Corequisite: HMU111H1; TMU115H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## Note

HMU111H1, TMU115H1, and TMU140Y1 are Prerequisites for all other HMU/TMU courses which are offered annually. Full details on these and other courses may be found in the Calendar of the Faculty of Music.

## Faculty

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### Professors Emeriti

E. Birnbaum, BA, Dipl OAS  
P.E. Dion, L Th, L SS, Ph D  
L.V. Golombek, MA, Ph D, FRSC (ROM)  
A.K. Grayson, MA, Ph D, FRSC  
J.S. Holladay, BS, BD, Th D  
A. Jwaideh, MA, B Litt, D Phil  
A. Pietersma, BA, BD, Ph D  
D.B. Redford, MA, Ph D, FRSC  
E.J. Revell, MA, Ph D, FRSC (V)  
R.M. Savory, MA, Ph D, FRSC (T)  
R.F.G. Sweet, MA, Ph D

### Associate Professors Emeriti

J.R. Blackburn, MA, Ph D  
H. Dajani-Shakeel, MA, Ph D  
L. Garshowitz, MA, Ph D  
E.J. Keall, BA, Ph D (ROM)  
R. Sandler, MA, Ph D  
B.T. Lawson, MA, Ph D

### Senior Lecturer Emeritus

R.T. Lutz, MA

### Professor and Chair

T.P. Harrison, MA, Ph D

### Professors

P-A. Beaulieu, MA, Ph D  
A. Harrak, MA, Ph D  
R.D. Holmstedt, MA, Ph D  
R.J. Leprohon, MA, Ph D  
J.A. Reilly, MA, Ph D  
M.E. Subtelny, BA, Ph D  
M. Tavakoli-Targhi, MA, Ph D (UTM)

### Associate Professors

M. Brosius, D Phil  
H. Fox, MS, Ph D  
K. Goebis, MA, Ph D  
K.A. Grzymski, MA, Ph D (ROM)  
J.P. Hanssen, D Phil (UTM)  
R. Mason, MA, Ph D (ROM)  
T. Meacham, MA, Ph D  
S. Metso, MA, Ph D  
A. Mittermaier, MA, Ph D  
L. Northrup, MA, Ph D  
V. Ostapchuk, BA, Ph D  
M. Pouls Wegner, BA, Ph D  
E. Raffaelli, MA, Ph D (UTM)  
K. Ruerhdanz, Ph D (ROM)  
W. Saleh, MA, Ph D (U), Distinguished Professor of Islam

### Assistant Professors

J. Miller, MA, Ph D  
C. Reichel, MA, Ph D (ROM)  
H. Baker, MA, Ph D

### Associate Professors, Teaching Stream

A.K. Ali, MA, Ph D  
A. Taleghani, MA, Ph D (UTM)

The Department of Near and Middle Eastern Civilizations is concerned with the interdisciplinary study of the civilizations and cultures of the Near and Middle East from Neolithic times until the present, including their archaeology, history, mythology, religion and thought, art and architecture, and languages and literatures (Akkadian, Babylonian, Sumerian, ancient Egyptian, Coptic, Aramaic, Syriac, Hebrew, Arabic, Persian and Turkish). The Department's programs provide students with a unique opportunity to study non-Western complex societies and civilizations.

The Near East is generally understood to refer to the region at the eastern end of the Mediterranean and beyond, from ancient times up to the advent of Islam in the seventh century CE. The Middle East begins with the advent of Islam and refers to a much broader geographical area whose predominant Islamic culture in medieval and modern times has stretched to North Africa and Spain in the west and to Central Asia, India, and Southeast Asia in the east.

The Department welcomes students of all academic backgrounds who wish to learn about the Near and Middle East. NMC101H1, NMC102H1 and NMC104H1 introduce students to the ancient Near East, including ancient Egypt, Mesopotamia, and Israel, while NMC103H1 introduces students to the Islamic world. Students pursuing a Specialist or Major program are required to take two of these Gateway courses and are given the option to enrol in one of four streams: an open stream, an ancient stream, a medieval stream, or a modern stream.

Many courses offered in the Department do not require any knowledge of the languages of the region. However, the Department strongly believes that a deeper understanding of the civilizations and cultures of the Near and Middle East can be achieved through the study of one or more of its languages. In fact, admission to a graduate program in NMC requires the applicant to have acquired a background in the relevant languages. For more detailed information about programs and courses offered in a particular year, students should consult the Department's web site: [www.nmc.utoronto.ca](http://www.nmc.utoronto.ca).

Undergraduate Enquiries: 4 Bancroft Avenue, Room 200  
([nmc@utoronto.ca](mailto:nmc@utoronto.ca)) or Prof. Robert Holmstedt, undergraduate coordinator ([nmc.ug@utoronto.ca](mailto:nmc.ug@utoronto.ca))

## Near and Middle Eastern Civilizations Programs

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### Near and Middle Eastern Civilizations Specialist (General) (Arts program)

(11 FCEs, including at least 4 300+ FCEs, 1 FCE of which must be at the 400-level.)

At least 9 FCEs must be NMC and/or NML courses. Others may be taken only from a list of pre-approved courses offered by other departments.

1. First Year: 1 FCE from  
NMC101H1/NMC102H1/NMC103H1/NMC104H1.

2. 4 FCEs in one or two primary source languages (Akkadian, Ancient Egyptian, Biblical, Middle, or Modern Hebrew, Aramaic, Syriac, Arabic,

# Near and Middle Eastern Civilizations

Persian, Turkish), with NML designator (i.e., not literature in translation). It is recommended that language instruction begin in first year if possible.

### 3. Higher years:

3 FCEs from NMC241H1, NMC245H1, NMC254H1, NMC270H1, NMC273Y1, NMC274Y1, NMC275H1, NMC277H1, NMC278H1, NMC342H1, NMC343H1, NMC344H1, NMC346H1, NMC347H1, NMC348Y1, NMC349H1, NMC355H1, NMC356H1, NMC370H1, NMC373H1, NMC374H1, NMC376H1, NMC377Y1, NMC378H1, NMC446H1, NMC447H1, NMC448H1, NMC449H1, NMC451H1, NMC471H1, NMC472H1, NMC473H1, NMC475H1, NMC476H1, NMC477H1, NMC478H1, NMC479H1 (History & Society courses) and NMC247H1, NMC283Y1, NMC284H1, NMC285H1, NMC286H1, NMC289H1, NMC380H1, NMC381H1, NMC382Y1, NMC384H1, NMC385H1, NMC387H1, NMC388H1, NMC389H1, NMC481H1, NMC484H1 (Religion & Thought courses).

2 FCEs from NMC260H1, NMC261Y0, NMC262H1, NMC360H1, NMC361H1, NMC362Y1, NMC363H1, NMC364H1, NMC365Y1, NMC366Y1, NMC367H1, NMC368H1, NMC369Y1, NMC461Y1, NMC462Y1, NMC463H1, NMC465H1, NMC466H1, NMC467H1, NMC468H1, NMC469Y1 (Archaeology courses) and NMC246H1, NMC251H1, NMC252H1, NMC253H1, NMC255H1, NMC256H1, NMC257H1, NMC258H1, NMC259H1, NMC315H1, NMC350H1, NMC351H1, NMC353H1, NMC392H1, NMC393H1, NMC394H1, NMC396Y1, NMC450H1, NMC491H1 (Art, Architecture, & Literature courses).

1 additional FCE of NMC or NML courses or those from a list of pre-approved courses offered by other departments.

### Near and Middle Eastern Civilizations Specialist (Ancient) (Arts program)

(11 FCEs, including at least 4 300+ FCEs, 1 FCE of which must be at the 400-level.)

At least 9 FCEs must be NMC and/or NML courses. Others may be taken only from a list of pre-approved courses offered by other departments.

1. First Year: 1 FCE from NMC101H1/NMC102H1/NMC103H1/NMC104H1.

2. 4 FCEs in one or two primary source languages (Akkadian, Ancient Egyptian, Biblical, Middle, or Modern Hebrew, Aramaic, Syriac, Arabic, Persian, Turkish), with NML designator (i.e., not literature in translation). It is recommended that language instruction begin in first year if possible.

2a. The 4 FCEs in primary source languages must be from among the following languages: Akkadian, Ancient Egyptian, Biblical or Middle Hebrew, Aramaic, Syriac.

### 3. Higher years:

3 FCEs from NMC245H1, NMC247H1, NMC254H1, NMC270H1, NMC277H1, NMC343H1, NMC344H1, NMC346H1, NMC347H1, NMC349H1, NMC370H1, NMC446H1, NMC447H1, NMC448H1, NMC449H1, NMC472H1 (History & Society courses) and NMC289H1, NMC380H1, NMC382Y1 (Religion & Thought courses).

2 FCEs from NMC260H1, NMC261Y0, NMC262H1, NMC360H1, NMC361H1, NMC362Y1, NMC363H1, NMC364H1, NMC366Y1, NMC369Y1, NMC461Y1, NMC462Y1, NMC463H1, NMC465H1, NMC466H1, NMC467H1, NMC468H1 (Archaeology courses) and

NMC246H1, NMC251H1, NMC252H1, NMC253H1, NMC351H1, NMC450H1, NMC491H1 (Art, Architecture, & Literature courses).

4. 1 additional FCE in Medieval or Modern stream courses or those from a list of pre-approved courses offered by other departments.

### Near and Middle Eastern Civilizations Specialist (Medieval) (Arts program)

(11 FCEs, including at least 4 300+ FCEs, 1 FCE of which must be at the 400-level.)

At least 9 FCEs must be NMC and/or NML courses. Others may be taken only from a list of pre-approved courses offered by other departments.

1. First Year: 1 FCE from NMC101H1/NMC102H1/NMC103H1/NMC104H1.

2. 4 FCEs in one or two primary source languages (Akkadian, Ancient Egyptian, Biblical, Middle, or Modern Hebrew, Aramaic, Syriac, Arabic, Persian, Turkish), with NML designator (i.e., not literature in translation). It is recommended that language instruction begin in first year if possible. The 4 FCEs in primary source languages must be from among the following languages: Biblical or Middle Hebrew, Aramaic, Syriac, Arabic, Persian, Turkish.

### 3. Higher years:

3 FCEs from NMC270H1, NMC273Y1, NMC274Y1, NMC275H1, NMC277H1, NMC342H1, NMC348Y1, NMC374H1, NMC376H1, NMC377Y1, NMC471H1, NMC472H1 (History & Society courses) and NMC283Y1, NMC285H1, NMC286H1, NMC289H1, NMC384H1, NMC385H1, NMC387H1, NMC388H1, NMC389H1, NMC481H1, NMC484H1 (Religion & Thought courses).

2 FCEs from NMC261Y0, NMC365Y1, NMC366Y1, NMC367H1, NMC369Y1, NMC462Y1, NMC465H1, NMC469Y1 (Archaeology courses) and NMC255H1, NMC256H1, NMC258H1, NMC350H1, NMC353H1, NMC393H1, NMC394H1, NMC396Y1 (Art, Architecture, & Literature courses).

4. 1 additional FCE in Ancient or Modern stream courses or those from a list of pre-approved courses offered by other departments.

### Near and Middle Eastern Civilizations Specialist (Modern) (Arts program)

(11 FCEs, including at least 4 300+ FCEs, 1 FCE of which must be at the 400-level.)

At least 9 FCEs must be NMC and/or NML courses. Others may be taken only from a list of pre-approved courses offered by other departments.

1. First Year: 1 FCE from NMC101H1/NMC102H1/NMC103H1/NMC104H1.

2. 4 FCEs in one or two primary source languages (Akkadian, Ancient Egyptian, Biblical, Middle, or Modern Hebrew, Aramaic, Syriac, Arabic, Persian, Turkish), with NML designator (i.e., not literature in translation). It is recommended that language instruction begin in first year if possible. The 4 FCEs in primary source languages must be from among the following languages: Modern Hebrew, Arabic, Persian, Turkish.

3. Higher years:

3 FCEs from NMC241H1, NMC270H1, NMC274Y1, NMC277H1, NMC278H1, NMC348Y1, NMC355H1, NMC356H1, NMC373H1, NMC374H1, NMC377Y1, NMC378H1, NMC451H1, NMC472H1, NMC473H1, NMC475H1, NMC476H1, NMC477H1, NMC478H1, NMC479H1 (History & Society courses) and NMC283Y1, NMC284H1, NMC285H1, NMC286H1, NMC289H1, NMC381H1, NMC384H1, NMC385H1, NMC387H1, NMC389H1, NMC481H1, NMC484H1 (Religion & Thought courses).

2 FCEs from NMC261Y0, NMC367H1, NMC368H1, NMC369Y1, NMC462Y1, NMC465H1 (Archaeology courses) and NMC257H1, NMC259H1, NMC315H1, NMC392H1, NMC394H1, NMC396Y1 (Art, Architecture, & Literature courses).

4. 1 additional FCE in Ancient or Medieval stream courses or those from a list of pre-approved courses offered by other departments.

## Near and Middle Eastern Civilizations Major (General) (Arts program)

(6 FCEs including at least 2 300+-level FCEs, 1 FCE of which must be at the 400-level)

At least 5 FCEs must be NMC and/or NML courses. 1 FCE may be taken from a list of pre-approved courses offered by other departments.

1. First Year: 1 FCE from NMC101H1/NMC102H1/NMC103H1/NMC104H1.

2. Higher years:

3 to 4 FCEs from any NMC courses.

1 to 2 FCEs FCEs in language (NML courses)

## Near and Middle Eastern Civilization Major (Medieval) (Arts program)

(6 FCEs including at least 2 300+-level FCEs, 1 FCE of which must be at the 400-level)

At least 5 FCEs must be NMC and/or NML courses. 1 FCE may be taken from a list of pre-approved courses offered by other departments.

1. First Year: 1 FCE from NMC101H1/NMC102H1/NMC103H1/NMC104H1.

2. Higher years:

2 to 3 FCEs from Group B and 1 FCE from Group A/Group C.

1 to 2 FCEs in Medieval Stream languages (Biblical, Middle Hebrew, Aramaic, Syriac, Arabic, Persian, Turkish).

## Near and Middle Eastern Civilizations Major (Ancient) (Arts program)

(6 FCEs including at least 2 300+-level FCEs, 1 FCE of which must be at the 400-level)

At least 5 FCEs must be NMC and/or NML courses. 1 FCE may be taken from a list of pre-approved courses offered by other departments.

1. First Year: 1 FCE from NMC101H1/NMC102H1/NMC103H1/NMC104H1.

2. Higher years:

2 to 3 FCEs from Group A and 1 FCE from Group B/Group C.

1 to 2 FCEs in Ancient Stream languages (Akkadian, Ancient Egyptian, Biblical or Middle Hebrew, Aramaic, Syriac)

## Near and Middle Eastern Civilizations Major (Modern) (Arts program)

(6 FCEs including at least 2 300+-level FCEs, 1 FCE of which must be at the 400-level)

At least 5 FCEs must be NMC and/or NML courses. 1 FCE may be taken from a list of pre-approved courses offered by other departments.

1. First Year: 1 FCE from NMC101H1/NMC102H1/NMC103H1/NMC104H1.

2. Higher years:

2 to 3 FCEs from Group C and 1 FCE from Group A/Group B.

1 to 2 FCEs in Modern Stream languages (Modern Hebrew, Arabic, Persian, Turkish).

## Near and Middle Eastern Civilizations Course Groups

### Group A (Ancient Stream)

NMC245H1, NMC246H1, NMC247H1, NMC251H1, NMC252H1, NMC253H1, NMC254H1, NMC260H1, NMC261Y0, NMC262H1, NMC270H1, NMC277H1, NMC289H1, NMC299Y1, NMC343H1, NMC344H1, NMC346H1, NMC347H1, NMC349H1, NMC351H1, NMC360H1, NMC361H1, NMC362Y1, NMC363H1, NMC364H1, NMC366Y1, NMC369Y1, NMC370H1, NMC380H1, NMC382Y1, NMC399Y0, NMC446H1, NMC447H1, NMC448H1, NMC449H1, NMC450H1, NMC461Y1, NMC462Y1, NMC463H1, NMC465H1, NMC466H1, NMC467H1, NMC468H1, NMC472H1, NMC491H1, NMC495Y1, NMC496H1, NMC497H1, NMC499Y1

### Group B (Medieval Stream)

NMC255H1, NMC256H1, NMC258H1, NMC261Y0, NMC270H1, NMC273Y1, NMC274Y1, NMC275H1, NMC277H1, NMC283Y1, NMC285H1, NMC286H1, NMC289H1, NMC299Y1, NMC342H1, NMC348Y1, NMC350H1, NMC353H1, NMC365Y1, NMC366Y1, NMC367H1, NMC369Y1, NMC374H1, NMC376H1, NMC377Y1, NMC384H1, NMC385H1, NMC387H1, NMC388H1, NMC389H1, NMC393H1, NMC394H1, NMC396Y1, NMC399Y0, NMC462Y1, NMC465H1, NMC469Y1, NMC471H1, NMC472H1, NMC481H1,

# Near and Middle Eastern Civilizations

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NMC484H1, NMC495Y1, NMC496H1, NMC497H1, NMC499Y1

## Group C (Modern Stream)

NMC241H1, NMC257H1, NMC259H1, NMC261Y0, NMC270H1, NMC274Y1, NMC277H1, NMC278H1, NMC283Y1, NMC284H1, NMC285H1, NMC286H1, NMC289H1, NMC299Y1, NMC315H1, NMC348Y1, NMC355H1, NMC356H1, NMC367H1, NMC368H1, NMC369Y1, NMC373H1, NMC374H1, NMC377Y1, NMC378H1, NMC381H1, NMC384H1, NMC385H1, NMC387H1, NMC389H1, NMC392H1, NMC394H1, NMC396Y1, NMC399Y0, NMC451H1, NMC462Y1, NMC465H1, NMC472H1, NMC473H1, NMC475H1, NMC476H1, NMC477H1, NMC478H1, NMC479H1, NMC481H1, NMC484H1, NMC495Y1, NMC496H1, NMC497H1, NMC499Y1

## Near and Middle Eastern Civilizations Minor (Arts program)

Four FCEs, including at least one 300+ series course. All four must be NMC and/or NML courses.

## Faculty of Arts & Science Language Citation

The Department of Near & Middle Eastern Civilizations participates in the Faculty of Arts & Science's Language Citation initiative.

The study of Ancient languages is a demanding and intellectually rewarding educational experience that makes available to the modern student the rich resources of classical texts in the original languages. The "living" languages offered by NMC provide invaluable insights into the varieties of human culture and expression and offer myriad directions in which to take the study of a foreign language.

Successful study of these languages demonstrates intelligence, discipline, analytical sophistication, and an excellent memory. In each language the Language Citation recognizes a significant level of achievement in language study with a high level of academic success.

For details on the languages available for Citation and detailed requirements, contact the department directly.

Students should note that the Language Citation is not equivalent to an academic program and that enrolment in a program is not necessary in order to earn the recognition bestowed by the Citation.

## Near and Middle Eastern Civilizations Courses

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### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### Gateway Courses

These courses are designed to introduce students to the major civilizations and cultures of the Near and Middle East, ancient, medieval, and modern, and to present students with the range of possibilities for

further study in their chosen areas of interest.

### NMC101H1 Near and Middle Eastern Civilizations I: Land of the Pharaohs [24L/12T]

The course traces the history of ancient Egypt from the foundation of the Egyptian state around 3050 BCE to its incorporation into the Roman Empire. The focus is on various aspects of Egyptian culture, including the institution of kingship, the role of women, and the peculiarities of Egyptian art, literature, and religion. Emphasis is placed on the methods by which knowledge about this ancient civilization can be obtained.  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

### NMC102H1 Near and Middle Eastern Civilizations II: Heartland of Ancient Empires [24L/12T]

The history of ancient Near Eastern peoples and empires, particularly those centered in Mesopotamia. The origins and role of writing systems in the development of civilization. The cultural contributions of the Sumerians, Assyrians, Babylonians, ancient Israelites, Persians, and others, in the areas of law, administration, science, art and architecture, religion, and literature.  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

### NMC103H1 Near and Middle Eastern Civilizations III: The Islamic World [24L/12T]

An introduction to the history, lands, peoples, religions, and cultures that came under the influence of Islam and in turn, contributed to the formation of Islamic civilization. Topics covered include an overview of the geographical and ethno-linguistic scope of the Islamic world, the role of the Qur'an and Arabic language, the major Islamic empires, the production and transmission of knowledge, law and society, literary and artistic expressions, and modern developments.  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

### NMC104H1 Near and Middle Eastern Civilizations IV: The Biblical World [24L/12T]

An introduction to the history, lands, peoples, religions, literatures and cultures that produced the Hebrew Bible/Old Testament. Topics to be covered include an overview of the geography and history of Ancient Israel and Judea, the role of the Hebrew, Aramaic, and Greek languages, the literary genres reflected in biblical and some contemporary non-biblical texts, and the scholarly methods by which the Bible is studied.  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## Culture and Civilization Courses

### NMC241H1 Anthropology of the Middle East [24L]

This course offers an introduction to the contemporary Middle East from an anthropological perspective. Topics will include gender, kinship, religion, modernity, popular culture, and the study of everyday life.  
Exclusion: RLG355H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **NMC245H1 Women in the Ancient Near East [24L]**

The course examines written and archaeological sources to discuss the status and role of women in the ancient Near East, focusing in particular on the first millennium BCE.

Recommended Preparation: NMC101H1, NMC102H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **NMC246H1 Sumerian and Babylonian Literature in Translation [24L]**

Survey of the literature produced in ancient Mesopotamia in the Sumerian and Akkadian languages. Discussion of all genres, including epics, myths, lyrical poetry, hymns, wisdom literature, humorous tales, fables and proverbs. Particular emphasis on major texts such as the Epic of Gilgamesh and the Babylonian Epic of Creation.

Recommended Preparation: NMC102H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **NMC247H1 The Intellectual History of the Ancient Near East [24L]**

Survey of the intellectual life in the Ancient Near East from the emergence of writing in Mesopotamia and Egypt at the end of the third millennium BCE until the Hellenistic and Roman periods. Covers issues of orality vs. literacy, state and scribal control, notions of progress, origins and purpose of knowledge, as well as areas such as taxonomy of the natural world, astronomy, mathematics, medicine, divination.

Recommended Preparation: NMC101H1, NMC102H1, or NMC104H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **NMC251H1 Voices from Egypt: Pharaonic Cultural Texts [24L]**

Introduction to various genres of Egyptian texts, with a focus on those writings that provide information about aspects of funerary/religious beliefs and ritual, of history, politics and institutions, and of the Egyptian quest for knowledge of the world, as evinced in astronomical, medical, and mathematical sources. Literary texts will be treated in so far as they relate to the listed topics. No knowledge of the ancient Egyptian language(s) is required; all texts to be read in translation.

Recommended Preparation: NMC101H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NMC252H1 Hebrew Bible [24L]**

An introduction to the critical study of the Hebrew Bible/Old Testament and the related literature of ancient Jewish communities (Apocrypha, Pseudepigrapha, Dead Sea Scrolls). English translations used; no knowledge of Hebrew is required. (Offered alternate years)

Recommended Preparation: NMC104H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NMC253H1 Egyptian Myths [48L/24P]**

Overview of Egyptian mythical writings, starting with the myths contained in the Pyramid Texts of the 3rd Millennium BCE and ending with the narrative mythical tales of the later 2nd and 1st Millennium BCE and beyond. Definitions and historical developments will be discussed. No knowledge of the ancient Egyptian language(s) is required; all texts to be read in translation.

Recommended Preparation: NMC101H1, NMC343H1, NMC344H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NMC254H1 The Mummy: Technology and Transformation [24L]**

This course explores the significance of mummies in contexts ranging from ancient Egyptian to modern, tracing the development of Egyptian mummification techniques and the roles and uses of mummies as transformative elements allowing access to the afterlife, sources of information about ancient individuals, characters in literature and film, and objects for display in museums.

Recommended Preparation: NMC101H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **NMC255H1 Arabic Literary Classics [12L]**

Introduction to premodern Arabic literature in English translation.

Readings include: narrative works such as 1001 Nights, Kalila wa-Dimna, al-Hamadhani's maqamat, Ibn Hazm's love treatise The Ring of the Dove; poems by Labid, Jarir, Abu Nuwas, al-Mutanabbi, and Ibn Nubata; and an obscene shadow play by Ibn Daniyal.

Recommended Preparation: NMC103H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NMC256H1 1001 Nights Around the World [24L]**

Surveys the history of the 1001 Nights and its stories, from early manuscripts to modern adaptations, including film, theatre, novels, and short stories produced around the world. We read in English translation an early manuscript of the Nights, and then consider the politics and aesthetics of medieval and modern adaptations.

Recommended Preparation: NMC103H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NMC257H1 Modern Turkish Literature [24L]**

An introduction to the history and culture of modern Turkey through readings of modern Turkish literature in translation. Topics such as cultural revolution, migration, identity and gender, production and transmission of literature in today's literary market will be discussed. Readings will include a variety of genres, notably the short story, poetry, and the novel.

Recommended Preparation: NMC103H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NMC258H1 The Book of Kings: Persian Myth, History, and Art [24L]**

The Persian Book of Kings, or *Shahnameh*, composed in the 11th century by Ferdowsi, is the most important book in Iranian national culture and one of the great works of world literature. The course examines the book's presentation of the history of the pre-Islamic kings of Iran, the exploits of Iran's heroes, and the myths and legends of ancient Iran, which were frequently illustrated in manuscript copies over the centuries.

Recommended Preparation: NMC103H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NMC259H1 Survey of Modern Hebrew Literature [24L]**

An overview of modern Hebrew literature in English translation, from its self-conscious 19th century beginning in Eastern Europe to its scathing and irreverent postmodern works in contemporary Israel. We will explore the special richness of this literature in its formation of individual versus collective identity and in themes of nativity and exile.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

# Near and Middle Eastern Civilizations

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## **NMC260H1 The Archaeology of the Pre- and Protohistoric Civilizations of the Near East [36L]**

A general introduction of the archaeology of the Ancient Near East from the Prehistoric to the end of the Early Bronze Age (ca. 2000 BC), covering the regions of Anatolia, Syria-Palestine, Iran, and the high civilizations of Mesopotamia and Egypt. Emphasis will be on culture history, while exploring the complex processes of social organization and change.

Recommended Preparation: NMC101H1, NMC102H1, NMC103H1, or NMC104H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **NMC261Y0 Field Archaeology [TBA]**

Participation for 4 - 7 weeks during the summer in an approved archaeological excavation in the eastern Mediterranean/Middle East. This experience is then critiqued in a previously assigned essay researched and written under guidance upon return. Departmental permission is required in December-February prior to the fieldwork. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NMC262H1 The Archaeology of the Civilizations of the Historic Periods of the Near East**

A general introduction of the archaeology of the historic periods of the Ancient Near East from the Middle Bronze Age (ca. 2000 BC) to the Persian Period, covering the regions of Anatolia, Syria-Palestine, Iran, and the high civilizations of Mesopotamia and Egypt. Emphasis will be placed on culture history, while exploring the complex processes of social organization and change.

Recommended Preparation: NMC260H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **NMC270H1 Christians of the Middle East [24L]**

The course will introduce students to the Christian communities living in the Middle East since the distant past, identified by ecclesiastical and or ethnic terms, including Armenian, Copt, Greek-Melkite, Maronite, and Syriac. The course will discuss the plurality of their cultural, literary, and theological traditions, the social and intellectual roles of their monasteries, the contributions of their top religious authorities in diplomacy between Byzantium and the Sassanians, their position in the Islamic world and contributions to Islamic culture, philosophy, sciences, and theology, interreligious dialogues and polemics with Islam. (Offered in alternate years)

Recommended Preparation: NMC102H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **NMC273Y1 Early Islamic History: The Prophet and the Caliphates [72L]**

Features of the pre-Islamic Middle East inherited by Islamic civilization, birth of Islam, life and times of Muhammad, formation of Islamic empire and civilization, political disintegration of the caliphate, emergence of autonomous dynasties, the fall of Baghdad to Mongols in 1258 and the rise of the Mamluks.

Recommended Preparation: NMC103H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **NMC274H1 The Steppe Frontier in Eurasian and Islamic History (formerly NMC274Y1) [24L]**

A survey of the role of pastoral nomads in the formation and destruction of empires in Central Asia, Eastern Europe, and the Middle East from the Scythians and Huns to the Arabs and Turks (8th century BC to 1200 AD).

Exclusion: NMC274Y1

Recommended Preparation: NMC103H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **NMC275H1 The Mongol Empire and the World It Made (formerly NMC274Y1) [24L]**

The rise of the Mongols and creation of their world empire and its role in the making of the modern world. Political, military, cultural, and economic aspects of the formation and disintegration of the largest land empire in world history (1200-1800).

Exclusion: NMC274Y1

Recommended Preparation: NMC103H1, NMC274H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **NMC277H1 Topics in Near & Middle Eastern Civilizations [TBA]**

Topics vary from year to year, depending on instructor.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **NMC278H1 Introduction to the Modern Middle East [36L]**

Historical survey of the principal countries of the Middle East in the 19th and 20th centuries. Themes include the interplay of imperial and local interests, the emergence of national movements, and the formation of modern states.

Recommended Preparation: NMC103H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **NMC283Y1 Islam: Religion and Civilization [48L]**

The period of time covered by the course is from shortly before the birth of Islam in the 7th century to the present: God, Prophethood, Holy Book, Community, the Individual, the Shari'a, the mystical tradition, art and science, social institutions, family life, women in Islam, modernity and the impact of the West. Lectures, assignments and workshops will be framed by the close identification between "religion" and "civilization".

Exclusion: RLG204Y1

Recommended Preparation: NMC103H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NMC284H1 Judaism and Feminism [24L]**

Explores the interaction between Jewish religious and secular movements and feminism. Investigates Jewish law (halakha) and the Jewish legal (halakhic) process in terms of feminist critique. Marriage, divorce, Torah study, bat mitzvah, other ceremonies, female rabbinic ordination and womens prayer groups are some of the topics considered. (Offered in alternate years)

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)



## **NMC285H1 The Quran: Spirit and Form [24L]**

Concern is mainly with the sacred character of the Quran (koran), its preeminence in Islam. Topics include: the idea of the sacred book, the Quran and the Bible, the influence of the Quran on Islamic spirituality, literature, theology, law, philosophy, and the various approaches taken in interpreting the Quran. Knowledge of Arabic is not required. (Offered in alternate years)

Exclusion: RLG351H1

Recommended Preparation: NMC283Y1 / RLG204Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **NMC286H1 The Quran: Reading and Transformation [24L]**

This course is a continuation of NMC285H1. Students will be required to engage directly with the text in English or French translation, to discuss and write on major and minor quranic topics and themes and to study the works of other astute readers of the text. Arabic is not required or expected.

Exclusion: NMC285H1/RLG351H1

Recommended Preparation: NMC283Y1/NMC285H1/RLG204Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **NMC289H1 Introduction to Coptic Studies [24L]**

Overview of the history of the Copts from political, religious, social and economic perspectives. Literary and documentary sources will illustrate these different aspects of Coptic Civilization. The focus on Coptic Monasticism will underline the role of monasteries as conservers of the Coptic Orthodox Church tradition.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **NMC342H1 History & Sources of Egyptian Monasticism [24L]**

Presents an historical overview on the origins of Egyptian monasticism based on written sources. Comparison of written sources with archaeological artifacts reveals the relation between spiritual and material aspects of monastic life. Literary sources produced for different monastic orders -- such as sermons, canons and biographies -- will be studied.

Recommended Preparation: NMC289H1/NMC368H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **NMC343H1 History of Ancient Egypt I: Predynastic Period to Middle Kingdom [24L]**

The political and cultural history of Egypt from the later predynastic period through the Middle Kingdom; the use of both archaeological and literary evidence.

Prerequisite: NMC101H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **NMC344H1 History of Ancient Egypt II: Second Intermediate Period to Greco-Roman Period [24L]**

The political and cultural history of Egypt from the Second Intermediate Period through the Middle Greco-Roman Period; the use of both archaeological and literary evidence.

Prerequisite: NMC101H1

Recommended Preparation: NMC343H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **NMC346H1 Ancient Mesopotamia I: Sumerians and Akkadians [24L]**

The political and cultural history of the peoples of ancient South-Western Asia from 3000 BCE to the destruction of Babylon by the Hittites ca. 1600 BCE. (Offered in alternate years)

Prerequisite: NMC102H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **NMC347H1 Ancient Mesopotamia II: Assyrians and Babylonians [24L]**

The political and cultural history of the peoples of ancient South-Western Asia from ca. 1600 BCE to the conquest of Babylon by Alexander the Great in 331 BCE (Offered in alternate years)

Prerequisite: NMC102H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **NMC348Y1 History of Iran from the Sasanians to the Safavids [48L]**

The political and cultural history of Iran from Late Antiquity through the Arab conquests of the 7th–8th centuries, the rise of native Iranian dynasties in the 10th century, the domination of greater Iran by Turkic and Turko-Mongolian dynasties from the 11th century onwards, and the emergence of the Safavid state in the 16th century, a watershed in the political and religious history of pre-modern Iran. (Offered in alternate years.)

Prerequisite: NMC103H1

Recommended Preparation: NMC273Y1, NMC274Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **NMC349H1 The First World Empire: Achaemenid Persia [24L]**

The history and culture of the Achaemenid empire, from its emergence out of the former Elamite kingdom and its rise under Cyrus II in 559 BCE to the reign of Darius III and its fall in 330 BCE. The Persian idea of court and kingship, religion, and organization of the empire will also be investigated.

Prerequisite: NMC102H1

Recommended Preparation: NMC101H1, NMC247H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **NMC350H1 Christian Literature from the Middle East in Translation [24L]**

Survey of various literary genres from works produced by Armenian, Coptic, Maronite, Melkite, and Syriac authors between the 3rd and the 19th centuries CE. Genres include theology in poetry, biblical commentaries, historiography and chronicles, hagiography, songs and epics, apologetics, and travel accounts.

Prerequisite: NMC270H1

Recommended Preparation: NMC102H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NMC351H1 Dead Sea Scrolls [24L]**

This course provides an examination of the historical and cultural context in which the Dead Sea Scrolls were authored and copied, the types of writings included in the Scrolls, and the ancient Jewish groups behind these texts. It also discusses the significance of the Scrolls for understanding the textual development of the Hebrew Bible, ancient scriptural interpretation, and the thought world of the Jews during the period that gave birth to both Rabbinic Judaism and early Christianity. No knowledge of Hebrew or Aramaic is required. (Offered alternate years)

Prerequisite: NMC104H1

# Near and Middle Eastern Civilizations

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Recommended Preparation: NMC252H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **NMC355H1 The Ottoman Empire in the Age of Reform, 1808-1918 [24L]**

The last phase of the Ottoman empire has long been viewed by Orientalists and Middle East nationalists as a period of inevitable decline. More recently, cultural historians of the Middle East have framed the long 19th. century as a period of grand reforms - or Tanzimat. This course seeks to critically examine the notions of reform of the state and reform of the individual between Sultan Mahmud II's accession and the defeat of the Ottoman empire in World War I. Focusing largely on Istanbul and the Ottoman capitals' political relations with the Arab provinces, we will relate economic, social and intellectual transformations to state laws and policies, Mediterranean capitalism and the rise of sectarianism and nationalism in the Middle East.

Recommended Preparation: NMC278H1, NMC377Y1, NMC378H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **NMC356H1 Anthropology of Islam [24L]**

Combines theoretical reflections on an anthropology of Islam with ethnographic readings on Muslim practices in communities around the world.

Exclusion: RLG355H1  
Recommended Preparation: NMC241H1  
Distribution Requirement Status: Humanities or Social Science  
Breadth Requirement: Society and its Institutions (3)

## **NMC360H1 Archaeology of the Biblical World I: The Bronze Age [24L]**

The archaeology of Syria-Palestine from prehistoric times until the end of the Late Bronze Age (ca. 1200 BCE), with a special emphasis on the development of complex society, and inter-relations with the neighboring regions of Egypt and Syro-Mesopotamia. Attention will also be given to the history of archaeological research in the region, current field techniques and methods of archaeological analysis, and the relationship between archaeological evidence and contemporary written records, including the Hebrew Bible. (Offered in alternate years)

Prerequisite: NMC260H1, NMC262H1  
Recommended Preparation: NMC102H1, NMC104H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **NMC361H1 The Archaeology of the Biblical World II: The Iron Age [24L]**

The archaeology of Syria-Palestine from the collapse of the Late Bronze Age until the Persian Period, with a special emphasis on the emergence of Israel and the small territorial nation-states of the eastern Mediterranean seaboard. Particular attention will be given to the relationship between the archaeological evidence and contemporary written records, including the Hebrew Bible. (Offered in alternate years)

Prerequisite: NMC260H1, NMC262H1  
Recommended Preparation: NMC102H1, NMC104H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **NMC362Y1 Ancient Egyptian Sites [48L]**

Detailed examination of significant sites for the understanding of ancient Egyptian cultural development, encompassing the study of spatial organization, architecture, artifactual material, and archaeological evidence from each site. (Offered in alternate years)

Prerequisite: NMC343H1 and NMC344H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

## **NMC363H1 The Archaeology of Mesopotamia I 8000-2000 BC [36L]**

Comprehensive survey class on the origins of complex societies, urbanism and early states in Mesopotamia from the Neolithic period to the end of the Early Bronze Age. Covers the archaeology and material culture of Iraq and surrounding regions (western Iran, eastern Syria, southeastern Turkey).

Prerequisite: NMC260H1, NMC262H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **NMC364H1 The Archaeology of Mesopotamia II 2000-330 BC [36L]**

Comprehensive survey class on the state societies of Babylon, Assur, and Elam during the second millennium BC and on the emergence and manifestation of world empires (Assyria, Persia) in the first millennium BC. Covers the archaeology and material culture of Iraq and surrounding regions (western Iran, eastern Syria, southeastern Turkey).

Prerequisite: NMC260H1, NMC262H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **NMC365Y1 Archaeology of the Islamic World [48L]**

A survey of Islamic archaeology, covering the rise of Islam from 7th century to the end of the Fatimid period in 1171, examining sites in the Middle East, North Africa and Andalusia through the archaeological record, artifacts evidencing history, art history, urbanism and socio-ecology of early Muslim communities.

Prerequisite: NMC103H1  
Recommended Preparation: NMC260H1, NMC262H1, NMC273Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

## **NMC366Y1 Archaeology from Alexander to Muhammad [48L]**

An overview of late antique Greek, Arab and Persian material culture, as seen through the archaeological record of Syria, Iraq, and Iran.

Prerequisite: NMC101H1, NMC102H1, NMC103H1  
Recommended Preparation: NMC260H1, NMC262H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

## **NMC367H1 Archaeology & Architecture of Egyptian Monasticism [24L]**

Underlines the role of some Egyptian monasteries as active institutions carrying out numerous economic activities, and reveals the forces that enabled their survival and changing function. Exploration of these rich sites of cultural exchange, as manifested in their architecture and religious art and written material.

Recommended Preparation: NMC260H1, NMC262H1, NMC342H1, NMC368H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **NMC368H1 Coptic Art & Archaeology [24L]**

A survey of Coptic art, archaeology and architecture. The course will cover aspects of the religious, civil and daily life of the Copts: their houses, religious architecture, funerary monuments, art and artefacts  
Recommended Preparation: NMC260H1, NMC262H1, NMC289H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **NMC369Y1 Archaeological Materials and Industries [72L]**

Materials and technology help define the cultures and civilizations that use them, especially for archaeologists. Focusing on the Near and Middle East, this course is aimed at promoting understanding of the nature of materials used by the peoples of the region from the earliest prehistory until recent times. This course has a hands-on emphasis. (Offered in alternate years)  
Prerequisite: NMC101H1 or NMC102H1  
Recommended Preparation: NMC260H1, NMC262H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

## **NMC370H1 Ancient Israel [24L]**

The political and cultural history of ancient Israel from the origin of the Hebrews to the exile and restoration in the Persian period. (Offered every 3 years)  
Prerequisite: NMC104H1, NMC252H1  
Recommended Preparation: NMC101H1, NMC102H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **NMC373H1 Iran in the 20th Century [24L]**

Situated within a world historical context, this course offers a critical history of modern Iran from the establishment of the Safavid Empire in 1501 to the Islamic Revolution of 1979. While focusing on institutional and political reforms and revolutions, it also explains the making of modern Iranian political, literary, and visual cultures.  
Prerequisite: NMC103H1  
Exclusion: NMC451H1 may not be taken in the same year  
Recommended Preparation: NMC278H1, NMC348Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **NMC374H1 History of Islamic Egypt [24L]**

A survey of the history of Egypt under Islamic rule from the Arab to the Ottoman conquest (1517 C.E.), including the Fatimid, Ayyubid and Mamluk dynasties. Issues treated thematically include conversion and inter-communal relations, relations with Syria, militarization of the political structure, including the military slave (mamluk) institution, religious currents, the impact of the Crusades and Mongol invasions, commercial and diplomatic relations, the emergence of Cairo as the centre of the later mediaeval western Islamic world. (Offered every 3 years)  
Prerequisite: NMC273Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **NMC376H1 History of Islamic Spain and North Africa (640-1492) [24L]**

Muslim conquest of North Africa and Spain, history of Spain under Muslim rule to 1492. Attention given to institutional and cultural development, Islamic Spain's relations with the Islamic east and neighbours in Europe. (Offered every 3 years)  
Prerequisite: NMC273Y1  
Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **NMC377Y1 The Ottoman Empire to 1800 [48L]**

A survey of the Ottoman Empire from its late 13th/early 14th century origins as a border principality through the classical age of Mehmed the Conqueror and Süleyman the Magnificent when as a mature Islamic Empire it ruled lands in Europe, Asia, and Africa, to the internal and external challenges faced by the empire during the 17th and 18th centuries when it underwent substantial transformation. Coverage includes topics in Ottoman institutions, economy, society, and culture. (Offered in alternate years)  
Prerequisite: NMC273Y1  
Exclusion: NMC377H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **NMC378H1 Modern Arab History [36L]**

A thematic treatment of the Arab lands of the Middle East and North Africa from 1700 onward, focusing on the Ottoman and colonial periods.  
Prerequisite: NMC278H1 and permission of instructor  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **NMC380H1 Religion and Myth in the Ancient Near East [72L]**

The ancient religions of the ancient Near East are interesting for the profound insights their myths enshrine, and for the impact they had on Judaism, Christianity and Islam, as well as on Greek literature. This course will give equal attention to the religions of Mesopotamia (Sumerian, Assyro-Babylonian), and to those of Syria (especially Ugarit). (Offered in alternate years)  
Prerequisite: NMC102H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **NMC381H1 Modern Islamic Thought [24L]**

Survey of major intellectual trends in the Islamic tradition, particularly those identified with Middle Eastern Muslim thinkers, from the early 19th century to the present. Topics include reformism, modernism, hermeneutics, feminism, Islamism, and liberal and progressive trends in contemporary Muslim thought. Readings in English translation.  
Prerequisite: NMC103H1  
Recommended Preparation: NMC278H1, NMC283Y1, RLG204Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **NMC382Y1 Mummies, Myth and Magic: The Religion of Ancient Egypt [72L]**

Religious belief and practice in ancient Egypt. The course will focus on gods and mythology, which will be studied through primary sources in translation. (Offered in alternate years)  
Prerequisite: NMC101H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **NMC384H1 Life Cycle and Personal Status in Judaism [24L]**

Jewish attitudes to various personal status issues, such as the foetus, the minor, the pubescent child, and the mentally and physically challenged adult from biblical and rabbinic sources to modern Jewish positions. (Offered in alternate years)  
Recommended Preparation: NMC104H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

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## **NMC385H1 Introduction to Islamic Law [24L]**

The course surveys the history, theory, and doctrines of Islamic law, and addresses issues that are at the center of public debate across the world. Students will closely read primary sources, provide oral and written responses, and reflect on their own positionality viz debates on Islamic law. The course introduces students to the dynamics of Islamic legal reasoning in a historical and comparative perspective.

Prerequisite: NMC283Y1/RLG204Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **NMC387H1 Islamic Mystical Tradition [24L]**

Mysticism and spirituality in Islam: the Quran; doctrine; prayer; Sufism; Irfan (Shii mysticism). Themes include love, knowledge, authority, being, interpretation.

Prerequisite: NMC283Y1/RLG204Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **NMC388H1 Shii Islam I [24L]**

Subjects covered include the rise and development of the Shii version of Islamic orthodoxy from the mid-7th to the mid-13th centuries CE.

Distinctive Shii interpretations of the Quran will be examined.

Prerequisite: NMC283Y1/RLG204Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **NMC389H1 Shii Islam II [24L]**

This course continues the study of Shiism from 1258 to the present day and will include the history and teachings of the various members of the Shii family of Islamic religion.

Prerequisite: NMC283Y1/RLG204Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **NMC392H1 The Taj Mahal and Its Origins [24L]**

Monumental architecture, whether for secular or religious purposes, played a special role in Muslim societies, particularly in major centres such as Isfahan, Samarkand and Delhi. Beginning with the Taj Mahal (1632) the best-known elements of Islamic architecture the double dome, the pointed arch, glazed tiles are traced retroactively in Iran, Central Asia, and India, and their social context is studied. (Offered every three years)

Prerequisite: One full course in pre-modern history of the Muslim world or Islamic art/material culture; or one full course in pre-modern art history (FAH)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NMC393H1 Early Islamic Art & Architectures [24L]**

A survey of the arts of the Islamic world from the 7th century to the Mongol conquest in the mid-13th century. Studying objects in the ROM collections of Islamic art.

Prerequisite: One full course from FAH or NMC in medieval art/history/culture

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NMC394H1 Persianate Art & Architecture [24L]**

A continuation of NMC393H1, covering art and material culture in the eastern Islamic lands from the late 13th century CE to the modern period. Studying objects in the ROM collections of Islamic art..

Prerequisite: One full course from FAH or NMC in medieval art/history/culture

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **NMC396Y1 The Islamic City [24L]**

Architectural studies, historical sources and archaeological research are used to examine the physical and social morphology of the pre-industrial Islamic city from Central Asia to North Africa and Spain, from the 7th to the 17th centuries.

Prerequisite: One full course in Near Eastern/Islamic art and/or material culture

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **NMC446H1 The Babylonian City [24L]**

The course uses written and archaeological evidence to examine the physical form of the Babylonian city in the first millennium BC as the setting for the daily activities of its inhabitants.

Prerequisite: NMC102H1, NMC346H1/NMC347H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **NMC447H1 The Neo-Assyrian Empire [24L]**

The course studies Assyrian kingship, imperial administration, and daily life as reflected in the royal inscriptions, official correspondence, and everyday documents.

Prerequisite: NMC102H1, NMC346H1/NMC347H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **NMC448H1 Alexander and Iran [24S]**

The history of Persia after the fall of the first Persian empire and its conquest by Alexander the Great in 330 BC. We will discuss the problems of the Greek-Macedonian conquest of Iran and the impact Hellenism had on Iran and the emerging Bactrian kingdom, as well as the different ways Alexander was regarded in the early Islamic traditions.

Prerequisite: NMC102H1

Recommended Preparation: NMC247H1, NMC349H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **NMC449H1 Mesopotamian Society and Economy [24L]**

The course examines Mesopotamian society and economy from the third millennium BC to the first millennium BC using everyday cuneiform documents in translation. It focuses on the key institutions (palace, temple, private household) and traces their changing organisation and economic role over the course of Mesopotamian history.

Prerequisite: NMC102H1

Recommended Preparation: NMC346H1/NMC347H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **NMC450H1 Research Seminar on Ancient Jewish Literature [24S]**

A seminar focusing on the critical analysis of the Hebrew Bible and related ancient Jewish texts. Literary genre and critical topics will vary according to instructor's research interests. Focus will be given to developing research skills by working with accepted critical methodologies. Not eligible for CR/NCR option. (Offered every 3 years)

Prerequisite: Permission of the instructor is required.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NMC451H1 Iranian Constitutional Revolution [24S]**

Explores competing narratives of the Constitutional Revolution (1906/1911), particularly the transformation of public and private spheres and their corresponding modes of collective and personal self-presentation. Students explore revolutionary legacies, and the ways in which competing political, religious and ideological forces have attempted to shape the Revolution's memory. (Offered in alternate years)

Prerequisite: NMC278H1/NMC348Y1/NMC373H1

Exclusion: NMC373H1 may not be taken in the same year

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **NMC461Y1 Problems in the Archaeology of the Ancient Near East [36S]**

Problems in the Archaeology of the Ancient Near East

Prerequisite: 1.5 FCE from

NMC360H1/NMC361H1/NMC362Y1/NMC363H1/NMC364H1/NMC465H1/NMC466H1; 1.0 FCE from

NMC343H1/NMC344H1/NMC346H1/NMC347H1/NMC370H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

## **NMC462Y1 Polarized-light Microscopy in Archaeology [72P]**

The use of polarized-light microscopy in the examination of ceramics, stone, other materials, and microstratigraphy. Lectures in elementary optical mineralogy and case-studies are followed by lab sessions in which typical thin-sections of pottery, rocks, soils and other materials are studied. (Offered in alternate years)

Prerequisite: NMC369Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Creative and Cultural Representations (1) + The Physical and Mathematical Universes (5)

## **NMC463H1 Warfare—the Archaeology of Conflict in the Ancient Near East [36S]**

A seminar on warfare in the ancient Near East (10,000 –333 BC) using archaeological data and historical sources. Topics to be covered include origins of conflict, armies and weapons, siege techniques, urban combat, and of war.

Prerequisite: NMC260Y

Recommended Preparation: NMC102H, NMC363H

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **NMC465H1 Ceramic Analysis [6P/24S]**

A survey of methods of classification and analysis (form, fabric and style) involved in the study of archaeological ceramics, and the use of ceramics to infer patterns of production, distribution, and social organization; linking research questions with appropriate analytical techniques.

Prerequisite: ARH312Y1/NMC360H1/NMC361H1/NMC369Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Creative and Cultural Representations (1)

## **NMC466H1 Near Eastern Ceramics [6P/24S]**

An introduction to the basic corpus of Near Eastern ceramics, from the invention of pottery production in the Neolithic until the Persian period, utilizing existing collections at the University and in the Royal Ontario Museum.

Prerequisite: NMC260H1, NMC262H1, NMC465H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NMC467H1 Seminar in Egyptian Archaeology I [12S]**

Seminar focuses on the social and cultural development of Egypt from the Predynastic Period through the Middle Kingdom, engaging with major theories regarding social complexity, state formation, urbanism, social organization, and regionalism. An independent research project and hands-on experience with artifacts at the ROM are important features of the course. (Offered every 3 years.)

Prerequisite: NMC362Y1, NMC343H1, NMC344H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NMC468H1 Seminar in Egyptian Archaeology II [12S]**

Seminar focuses on the social and cultural development of Egypt from the Middle Kingdom through the Ptolemaic Period, engaging with major theories regarding urbanism, ethnicity, core-periphery relationships, cultural interaction, and social organization. An independent research project and hands-on experience with artifacts at the ROM are important features of the course. (Offered every 3 years.)

Prerequisite: NMC362Y1, NMC343H1, NMC344H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NMC469Y1 Mediaeval Middle Eastern Ceramics [72S]**

An introduction to the ceramics of the Middle or Near East from the time of Alexander until recent times. A particular emphasis will be the elite glazed wares of the mediaeval and Islamic periods. Apart from providing a history of the production of ceramics and their social and archaeological context, this course is intended to train archaeologists and art-historians in the fundamental field recognition and identification of the various types and their production origins, and the course will rely heavily on the collections of the ROM.

Prerequisite: NMC260H1, NMC262H1, and at least one other upper-level course in archaeological materials

Recommended Preparation: NMC369Y1, NMC465H1, NMC365Y1, NMC366Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

## **NMC471H1 Advanced Topics in Near and Middle Eastern Civilizations [24S]**

An advanced seminar organized around readings on a topic selected by the instructor. (Offered every 3 years)

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **NMC472H1 Theory & Method in Middle East Studies [24S]**

Examines current theoretical and methodological trends in the study of the Near/Middle East. A seminar course, it consists of presentations, discussions, lectures, guest speakers, and documentaries. No previous knowledge of methodology required. Special attention will be paid to the politics, culture, political economy, gender, and ethics of various research practices. Intended for 4th year students only.

Prerequisite: Permission of the instructor

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Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **NMC473H1 Intellectuals of the Modern Arab World [24S]**

The course is designed to re-examine the role of intellectuals in the Arab world and political events that shaped their thinking. It introduces the life and thought of some leading thinkers of the Arab world and relates their thought to the lived experience of political, social, economic and cultural change in the Middle East. Intended for upper year students. (Offered in alternate years)

Prerequisite: NML410Y1 or fluency in Arabic and 1 FCE from NMC278H1, NMC377Y1, NMC378H1

Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **NMC475H1 Orientalism & Occidentalism [24S]**

This course probes the contemporaneous formation of modern Oriental Studies in Europe and the emergence of discourses on Europe (Ifrañj/Farang) in the Middle East from the eighteenth century to the present. Special emphasis will be devoted to encounters between scholars in Western Europe, Iran, India, and the Ottoman Empire. This seminar-style course explains that Orientals gazed and returned the gaze, and in the process of cultural looking, they, like their Occidental counterparts, exoticized and eroticized the Farangi-Other. In the interplay of looks between Orientals and Occidentals, there was no steady position of spectatorship, no objective observer, and no aperspectival position. Intended for upper year students.

Prerequisite: Permission of the instructor.  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **NMC476H1 Politics of Archaeology in the Modern Middle East [24S]**

This course examines the role nineteenth and twentieth-century archaeology played in Middle Eastern politics, the culture of colonialism and in nationalist struggles. The course will first familiarize the students with the diplomatic and intellectual context of the formation of archaeology as a field of study in Europe and analyse the role archaeology played in the production of knowledge about the Middle East. Next, the course will examine the archaeological practices on the ground (and underground) and inquire what happens in the contact zone between foreign and local archaeologists. Finally, we will trace the ways in which emergent nationalist discourse challenge, appropriate and imitate the historical narratives of Western archaeology.

Prerequisite: Permission of instructor is required.  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **NMC477H1 Modern Turkey [24L]**

This seminar examines the history and politics of Turkey since 1923. It explores issues such as the Ottoman roots of Turkey's early leadership, the establishment of the republic, Atatürk's reforms and legacy, internal political and social transformations, and the country's changing geopolitical role. The course also explores some aspects of Turkish literature and culture. No knowledge of Turkish is required.

Prerequisite: NMC278H1  
Recommended Preparation: NMC274Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **NMC478H1 Modern Arab Societies [24S]**

A seminar built around thematic readings of social and economic history of the modern Arab world. Offered every other year.

Prerequisite: NMC378H1 and permission of instructor  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **NMC479H1 Nationalism in the Arab World [24S]**

A seminar that critically examines the types and varieties of national expression in Arab societies of the Middle East and North Africa, through a reading of common texts and students' individual research projects. (Offered in alternate years)

Prerequisite: NMC378H1 and permission of instructor  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **NMC481H1 Muslim Gnostics and Mystics [24L]**

This course will present for study a different prominent figure each year: Hallaj, Ghazali, Suhrawardi, Ibn Arabi, Rumi, Mulla Sadra, and so on. Attention will be given to their respective social and historical milieux, their modes of expression and experience, and the nature of their literary productions. There is no prerequisite, but students must be advanced undergraduates in the Humanities.

Prerequisite: Permission of instructor  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **NMC484H1 Gender-related Topics in Law and Religion [36L]**

Abortion, rape, family violence and similar topics from the perspective of historical and legal development, scientific theory, socio-ethical attitudes and anthropological comparison in the Bible and other ancient Near Eastern sources, through Jewish legal texts to modern responses. (Offered in alternate years)

Prerequisite: Permission of instructor  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **NMC491H1 Mesopotamian Material Culture: Art [24S]**

This course focuses on a comprehensive introduction and discussion of Mesopotamian artwork from the Neolithic to the Iron Age periods (ca. 6000 - 300 BCE). Following an introduction of major artifact classes (including sculpture, relief, and glyptics [seals and sealings]), students will learn to describe and catalogue works of Mesopotamian art, allowing them to critically use and evaluate primary and secondary publications. Systematic descriptions and labels for key characteristics such as the object materials, size, iconography, genre, style, and theme will be established to show how meaningful artifact typologies can be constructed. The potential as well as limitations of art-historical approaches for archaeological work, especially for the chronology and interpretation of archeological contexts, will be discussed and examined on selected cases. Several classes will be taught at the Royal Ontario Museum to demonstrate the handling and physical analysis of artifacts.

Prerequisite: Permission of the instructor  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

# Research Courses

## **NMC299Y1 Research Opportunity Program**

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **NMC399Y0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **NMC495Y1 Independent Studies [TBA]**

Open only when an NMC full-time faculty member is willing and available to supervise. Student must find an appropriate NMC supervisor for the desired topic and obtain the approval of the departmental Associate Chair/Undergraduate Coordinator. Obtain details and a course form from the Department Undergraduate Administrator. Not eligible for CR/NCR option.

Prerequisite: Permission of Department

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **NMC496H1 Independent Studies [TBA]**

Open only when an NMC full-time faculty member is willing and available to supervise. Student must find an appropriate NMC supervisor for the desired topic and obtain the approval of the departmental Associate Chair/Undergraduate Coordinator. Obtain details and a course form from the Department Undergraduate Administrator. Not eligible for CR/NCR option. Not eligible for CR/NCR option.

Prerequisite: Permission of Department

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **NMC497H1 Independent Studies [TBA]**

Open only when an NMC full-time faculty member is willing and available to supervise. Student must find an appropriate NMC supervisor for the desired topic and obtain the approval of the departmental Associate Chair/Undergraduate Coordinator. Obtain details and a course form from the Department Undergraduate Administrator. Not eligible for CR/NCR option. Not eligible for CR/NCR option.

Prerequisite: Permission of Department

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **NMC499Y1 Senior Thesis [TBA]**

A 40-60 page (15,000-20,000 word) research paper (100% of the final mark) written under the supervision of a full-time NMC faculty member. Not eligible for CR/NCR option.

Prerequisite: 4th year status in NMC Specialist program; supervisor's approval; departmental approval.

Exclusion: NMC495Y1/NMC496H1/NMC497H1 may not be taken in the same session

Distribution Requirement Status: Humanities

Breadth Requirement: None

## Language Courses

Note:

The Department reserves the right to place students in the course level best suited to their linguistic preparation.

### **NML110Y1 Introductory Standard Arabic [96L/24P]**

This course is designed for students with no prior knowledge of Arabic. It places equal emphasis on the development of all language skills: reading, writing, listening, and speaking. The learning philosophy underlying this approach is that proficiency in a foreign language is best achieved through consistent, deliberate, and systematic practice. From the outset, students are strongly encouraged to develop the habit of consistently practicing learned material.

Prerequisite: Priority enrollment will be given to declared NMC majors/specialists.

Exclusion: Native speakers/NML210Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **NML155H1 Elementary Modern Hebrew I [48L]**

See MHB155H1 in Religion.

### **NML156H1 Elementary Modern Hebrew II [48L]**

See MHB156H1 in Religion.

### **NML210Y1 Intermediate Standard Arabic I (formerly NML211Y) [96L/24P]**

This course assumes active knowledge of the content covered in NML110Y. It places equal emphasis on the development of all language skills. As the course progresses, students are introduced to the fundamentals of Arabic morphology and syntax. This is achieved through analysis of texts covering a wide range of topics. By the end of the course, students are expected to achieve upper intermediate level of proficiency.

Prerequisite: NML110Y1 or permission of the instructor.

Exclusion: Native speaker. Priority enrollment will be given to declared NMC majors/specialists.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **NML220Y1 Introductory Aramaic [72S]**

Introduction to Aramaic grammar. Readings from biblical Aramaic. (Offered in alternate years)

Prerequisite: NML250Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **NML230H1 Elementary Coptic I [48S]**

Introduces the student to the last stage of the Egyptian language, written mostly in Greek characters. The course will first concentrate on the grammar of the language and go on to read short texts.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

# Near and Middle Eastern Civilizations

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## **NML231H1 Elementary Coptic II [48S]**

A continuation of NML230H1.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NML240Y1 Introduction to Middle Egyptian [72L]**

Grammar and reading of selected hieroglyphic texts.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NML250Y1 Introductory Biblical Hebrew [72S]**

An introduction to biblical Hebrew prose. Grammar and selected texts.

For students with no previous knowledge of Hebrew.

Exclusion: Those who have completed Grade 8 Hebrew (or Grade 6 in Israel)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NML255H1 Intermediate Modern Hebrew I [48L]**

See MHB255H1 in Religion.

Prerequisite: MHB156H1/NML156H1

Exclusion: Those who have completed Grade 8 Hebrew (or Ulpan level 2 in Israel), MHB255H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NML256H1 Intermediate Modern Hebrew II [48L]**

See MHB256H1 in Religion.

Prerequisite: NML255H1/MHB255H1

Exclusion: Those who have completed Grade 8 Hebrew (or Ulpan level 2 in Israel), MHB256H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NML260Y1 Introductory Persian [96L]**

The fundamentals of modern standard Persian grammar, with emphasis on attaining fluency in reading and writing simple texts. Also serves as a basis for classical Persian. (Offered in alternate years)

Exclusion: Native users. Priority enrollment will be given to declared NMC majors/specialists

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NML270Y1 Introductory Turkish [96L]**

This course covers the essentials of Turkish grammar, and introduces students to reading and translation of passages of elementary difficulty.

Designed for students with no previous knowledge of Turkish. This course also serves as a basis for the study of Ottoman Turkish and other Turkic languages.

Exclusion: Native speakers

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NML305Y1 Introductory Akkadian [48S]**

Introduction to Old Babylonian. Grammar and the reading of selected texts. (Offered in alternate years)

Prerequisite: Arabic or Hebrew, normally

NML155H1/NML156H1/NML110Y1/NML250Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NML310Y1 Intermediate Standard Arabic II [96L/24P]**

This course assumes active knowledge of the content covered in NML210Y. As the course progresses, students are introduced to increasingly complex morphological and syntactic patterns of Arabic. This is achieved through analysis of texts covering a wide range of genres. By the end of the course, students are expected to achieve advanced level of proficiency.

Prerequisite: NML210Y1 or permission of the instructor.

Exclusion: Native speakers. Priority enrollment will be given to declared NMC majors/specialists.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NMC315H1 The Structure of Arabic Language (formerly NML315H1)**

This course investigates formal properties of Arabic language. It provides students with an in-depth knowledge of the grammar of the language focussing on the areas of phonetics, phonology, morphology, syntax, and the interaction between phonology and morphology.

Prerequisite: NML210Y1 or LIN100Y1, or permission of the instructor

Exclusion: NML315H1

Recommended Preparation: LIN229H1, LIN232H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NML320H1 Intermediate Aramaic: Targum [24S]**

An intensive study of various Targumim to the Pentateuch: Onkelos, Pseudo-Jonathan, Neophyti, Samaritan and Fragment Targumim.

Differences among them in vocabulary, syntax and verb usage are discussed, as well as their relationship to the Palestinian midrashim.

(Offered in alternate years)

Prerequisite: NML220Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NML340Y1 Intermediate Egyptian [72S]**

Middle Egyptian texts.

Prerequisite: NML240Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NML350H1 Intermediate Biblical Hebrew I [24S]**

A continuation of the study of ancient Hebrew grammar and texts. Focus is given to covering a wide variety of genres, e.g., narrative, chronicle, genealogy, oracle, prayer, hymn, and proverb.

Prerequisite: NML250Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NML351H1 Intermediate Biblical Hebrew II [24S]**

A continuation of the study of ancient Hebrew grammar and texts. Focus is given to covering a wide variety of genres, e.g., narrative, chronicle, genealogy, oracle, prayer, hymn, and proverb.

Prerequisite: NML350H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)



## **NMC352H1 Ancient Egyptian Literature [24L]**

Exploration of a variety of different genres of ancient Egyptian literary texts, including wisdom literature, poetry, literary narratives, and mythical tales. Questions of how best to define literature, as well as its historical development in pharaonic Egypt will be discussed. No knowledge of the ancient Egyptian language(s) is required; all texts to be read in translation.

Prerequisite: NMC101H1 and NMC251H1/NMC253H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NMC353H1 Possible Worlds: Speculative Fiction in Arabic Literature [24S]**

Arabic speculative fiction from the medieval to the modern period, discussed with attention to early Arabic novel's adaptation of the medieval maqama genre, and the relation between speculative fiction and political and social critique. Texts include al-Ma'arri, Ibn Shuhayd, maqamat, al-Muwaylihi, science fiction, and dystopic novels and conceptual art.

Prerequisite: NML110Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NML355H1 Advanced Modern Hebrew I [48S]**

See MHB355H1 in Religion.

Prerequisite: MHB256H1/NML256H1

Exclusion: OAC Hebrew, MHB355H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NML356H1 Advanced Modern Hebrew II [48S]**

See MHB356H1 in Religion.

Prerequisite: NMLNML355H1/MHB355H1

Exclusion: OAC Hebrew, MHB356H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NML357H1 Midrash Aggadah [24S]**

An introduction to the exegetical methods of the rabbis in their analysis of biblical texts, with special attention to issues of intertextuality. The textual and thematic topic will vary by year.

Prerequisite: Intermediate Hebrew (Modern or Biblical)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NML358H1 Mishnah and Tosefta [24S]**

Introduction to Mishnah and Tosefta, two of the three foundational documents of Middle Hebrew. In addition to studying specific features of this level of Hebrew, examining these compositions independently, and analyzing their interaction, students will examine current scholarly literature on these documents and their relationship to each other. (Offered in alternate years)

Prerequisite: Intermediate Hebrew (Modern or Biblical)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NML359Y1 Babylonian Talmud [48S]**

Selections from a tractate in Babylonian Talmud in order to gain facility in the understanding of the dialogic structure of the legal discussions.

Practice in the use of classical commentaries and critical aids to allow independent study of the text. (Conducted in Hebrew) (Offered in alternate years)

Prerequisite: Intermediate Hebrew (Modern or Biblical)

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **NML360Y1 Intermediate Persian [144L]**

This course involves reading, grammatical analysis, and translation of representative samples of contemporary Persian prose of intermediate difficulty. The reading materials are selected from a wide range of sources in order to ensure balanced, yet comprehensive exposure to the different usage of the language. The course serves as preparation for courses on both classical and contemporary Persian literature.

Exclusion: Native users. Priority enrollment will be given to declared NMC majors/specialists

Recommended Preparation: NML260Y1 and/or adequate knowledge of modern Persian

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NML370Y1 Intermediate Turkish [96L]**

This course involves reading, grammatical analysis and translation of modern Turkish texts of intermediate difficulty. The reading materials are selected from a wide range of literary genres. Included is a basic review of grammar as well as more advanced grammatical topics. Course serves as preparation for advanced study of Turkish as well as study of Ottoman Turkish language and literature.

Prerequisite: NML270Y1 or permission of instructor.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NML380H1 Introduction to Ge'ez (Classical Ethiopic) [36L]**

This course covers the essentials of Ge'ez (Classical Ethiopic) grammar, and introduces students to Ge'ez texts of elementary to intermediate difficulty.

Designed for students with no previous knowledge of Ge'ez.

Prerequisite: NML110Y1/NML220Y1/NML250Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NML405Y1 Intermediate Akkadian [48S]**

(Offered in alternate years)

Prerequisite: NML305Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NML410Y1 Advanced Standard Arabic [96S]**

This course assumes active knowledge of the content covered in NML310Y. Its goal is to strengthen the students reading and writing skills, refine their knowledge of syntax and morphological patterns, and enrich their cultural background. This is achieved through analysis of sophisticated authentic texts covering a wide range of genres. In addition, Classical Arabic literary texts will be incrementally introduced. By the end of the course, students are expected to reach a superior level of proficiency.

Prerequisite: NML310Y1 or permission of instructor.

Exclusion: Native speakers.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

# Near and Middle Eastern Civilizations

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## **NML411H1 Media Arabic [24S]**

This course familiarizes advanced students of Arabic with structural properties, styles, and discourse features of the language used in the Arabic media. Class time is devoted to analysis of authentic texts covering a wide range of topics and drawn from various online media outlets.

Prerequisite: NML310Y1 or adequate reading knowledge of Arabic.

Exclusion: Native speakers of Arabic must obtain permission of instructor.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NML412H1 Introduction to Classical Arabic Literary Prose [24L]**

This course surveys the rich literary prose tradition in the Arabic language from the Qurn to the Mamluk era. Narrative works of a variety of genres will be covered to develop reading skills and grammatical knowledge specific to classical Arabic texts, as well as the ability to analyze literary themes, techniques, and features.

Prerequisite: NML310Y1 or permission of the instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NML413H1 Introduction to Classical Arabic Poetry [24L]**

This course covers some of the most famous and frequently quoted poems of the pre-modern Arabic literary tradition, drawing from a wide variety of genres and periods. Arabic prosody will be introduced and students will develop skills in deciphering difficult verse. Strong grammatical knowledge is presupposed.

Prerequisite: NML310Y1/NML412H1, or permission of the instructor.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NML420Y1 The Jerusalem Talmud: Jewish Western Aramaic [48S]**

The Talmud of the Land of Israel, also called Talmud Yerushalmi or Palestinian Talmud, is written in a mixture of Jewish Western Aramaic and Mishnaic Hebrew. It is the principal document of the Land of Israel in Late Antiquity. The course examines the legal argumentation, terminology and language which differ from those of the Babylonian Talmud. (Offered in alternate years)

Prerequisite: Permission of instructor

Recommended Preparation: NML220Y1/NML320H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) + Thought, Belief and Behaviour (2)

## **NML421Y1 Classical Syriac [48S]**

This course is primarily a reading course in Syriac literature with reference to specific points in grammar and syntax as contrasted with Aramaic. The texts are read with reference to the history of Syriac literature. (Offered in alternate years)

Prerequisite: NML220Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NML440H1 Ancient Egyptian Historical Texts [48S]**

Texts of significance for the reconstruction and understanding of Egyptian history will be read in the original, and analyzed for content, style, and grammar. The social and archaeological context of these texts will also receive attention.

Prerequisite: NML340Y1 or permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NML441H1 Ancient Egyptian Religious and Funerary Texts [48S]**

Readings, analysis, and comparisons of selections from the Pyramid Texts, the Coffin Texts, and the New Kingdom mortuary literature; study of cultic, magical, and mythological texts relating to funerary and cultic beliefs and practices. All texts to be read in the original.

Prerequisite: NML340Y1 or permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NML450H1 Advanced Biblical Hebrew [24S]**

Continuation of the study of Biblical Hebrew language. Combination of reading more advanced texts and Hebrew composition exercises.

Introduction to the standard reference works for advanced study of the phonology, morphology, syntax, and semantics of Biblical Hebrew.

Prerequisite: NML350H1 or NML351H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NML451H1 Advanced Babylonian Talmud [24S]**

Students will be introduced to the problems of text criticism involving variant readings and the redaction of Talmudic texts. Problems of transmission of the text, its relationship to the Palestinian Talmud, Tosefta and other texts will be explored. Use of Medieval Talmudic commentaries will be addressed.

Prerequisite: Intermediate Hebrew (Modern or Biblical)

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **NML452H1 Halakhic Midrashim [24S]**

This course familiarizes students with the methodology and terminology of the two midrashic systems: Devei R. Akiba and Devei R. Ishmael. Sections of all the midrashic halakha (Mekhilto, Sifra and Sifre) are studied and compared to other Tannaitic materials. (Conducted in Hebrew) (Offered in alternate years)

Prerequisite: Intermediate Hebrew (Modern or Biblical)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NML455H1 Modern Hebrew Poetry [36S]**

A study of the poetic works of a major modern Hebrew poet. (Conducted in Hebrew) (Offered in alternate years)

Prerequisite: Permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NML456H1 Modern Hebrew Prose [36S]**

A study of an important modern writer of Hebrew fiction. (Conducted in Hebrew) (Offered in alternate years)

Prerequisite: Permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **NML459H1 Readings in Second Temple Period Texts [24S]**

This course provides an advanced investigation of selected issues in ancient Jewish texts stemming from the Second Temple Period (5th cent. BCE 1st cent. CE), and includes comparative study of biblical writings, apocrypha and pseudepigrapha, the Dead Sea Scrolls, and writings of ancient Jewish historians and philosophers. The specific topic for the course varies from one semester to another. The course has a strong research and writing component.

Prerequisite: NML350H1 or NML351H1. Depending on the specific topic of the semester, knowledge of Greek or Aramaic may be recommended.

Recommended Preparation: NMC252H1, NMC351H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **NML460Y1 Classical Persian Literature [72S]**

Survey of Persian literature, chiefly poetry, from the 10th to the 15th centuries, based on selected readings at an advanced level from representative authors, including Rudaki, Nizami, Sadi, Rumi, and Hafiz, as well as from the Persian national epic, *Shah-nameh*. Introduction to the Persian prosodial system, and analysis of the rhetorical devices and imagery employed by the classical poets. Intended for upper year students.

Prerequisite: NML360Y1 or adequate knowledge of classical Persian  
Recommended Preparation: NML260Y1 and/or NML360Y1 and/or adequate knowledge of modern and/or classical Persian

Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **NML461H1 Modern Persian Poetry [24S]**

A survey of Persian literature, mainly modern poetry from 19th–21st centuries, focusing on linguistics and literary approaches in modern poetry. The course includes detailed discussion of the influence and effect of western and world poetry on Iranian poets, and critical reflections on works of leading contemporary poets.

Prerequisite: NML360Y1 or adequate reading knowledge  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **NML462H1 Modern Persian Prose [24S]**

A survey of modern Persian prose using connected passages of Persian texts.

Prerequisite: NML360Y1 or adequate reading knowledge  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **NML463H1 Structural Development of Iranian Languages [24S]**

This interdisciplinary course focuses on the structural development of Iranian Languages, especially Persian language, from Old Persian (551 BC) to Modern Persian (7th century) with the emphasis on the word formation and grammar. This course examines the role of language in maintaining cultural identity and shows the type and the mechanism of the development of a language in general and of Iranian languages in particular.

Prerequisite: NML360Y1 or permission of instructor  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **NML464H1 Old and Middle Iranian [24L]**

An introduction to the Old and Middle Iranian languages, with focus on Avestan and Middle Persian. A brief primer on the principal grammatical features of Avestan and Middle Persian Literature is followed by reading portions of the Avesta and Middle Persian Zoroastrian texts.

Prerequisite: NML360Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **NML470Y1 Advanced Turkish [48S]**

Advanced Turkish language practice designed to enable students to pursue independent work in Turkish and Ottoman studies. Differences between modern Turkish and Ottoman grammar will be pointed out. Elements of Arabic and Persian grammar that occur in Ottoman will be presented.

Prerequisite: NML370Y1 or adequate knowledge of Turkish  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **NML471H1 Modern Turkish Literature in Perspective [36L]**

This course surveys the main literary currents, figures, major themes, and motifs that define modern Turkish literature. Selected readings, including a variety of genres, such as short story, poetry, and the novel, will be used to map out a possible trajectory of modern Turkish literature, ranging from national allegories that pervaded early Republican Period to postmodern orientations.

Prerequisite: NML370Y1  
Recommended Preparation: NMC278H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## Faculty of Arts & Science Language Citation

The Department of Near and Middle Eastern Civilizations participates in the Faculty of Arts & Science's Language Citation initiative for Arabic, Persian, ancient Egyptian, Biblical Hebrew, and modern Hebrew. The study of ancient languages is a demanding and intellectually rewarding experience that makes available to the modern student the rich resources of primary texts in the original languages. The many languages offered by NMC provide invaluable insights into the varieties of human culture and expression and offer many directions in which to take the study of a foreign language.

Students should note that, as explained in the front of this Calendar under Degree Requirements, the Language Citation is not equivalent to an academic program and that enrollment in a program is not necessary in order to earn the recognition bestowed by the Citation.

The Citation in Biblical Hebrew is available to students who complete NML250Y1 (or the equivalent Prerequisite training) and earn a grade of at least B- in NML350H1, NML351H1 and any 1 FCE of the following: NML450H1, NML459H1 or NMC450H1.

The Citation in ancient Egyptian is available to students who complete NML240Y1 (or the equivalent Prerequisite training) and earn a grade of at least B- in NML340Y1, NML440H1, and NML441H1.

The Citation in Arabic is available to students who complete NML110Y1 (or the equivalent Prerequisite training) and earn a grade of at least B- in NML211Y1 or NML310Y1 and any 1 FCE of the following: NML315H1, NML410Y1, NML411H1, NML412H1, NML413H1.

The Citation in Turkish is available to students who complete NML270Y1 (or the equivalent Prerequisite training) and earn a grade of at least B- in NML370Y1 and NML470Y1.

The Citation in Persian is available to students who complete NML260Y1 (or the equivalent Prerequisite training) and earn a grade of at least B- in NML360Y1 and any 1 FCE of the following: NML460Y1, NML461H1, NML462H1, or NML463H1.

The Citation in modern Hebrew is available to students who complete NML155H1 and NML156H1 (or the equivalent Prerequisite training) and earn a grade of at least B- in NML255H1 and NML256H1 and any 1 FCE

## **Near and Middle Eastern Civilizations**

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of the following: NML355H1, NML356H1, NML357H1, NML358H1, NML359Y1, NML451H1, NML452H1, NML455H1, or NML456H1.

## Faculty

### Associate Professors

- D.L. Eyoh, MA, Ph D (African Studies/Political Science)
- M. Lo, MA, MSc, Ph D (African Studies/Women and Gender Studies)
- A. Trotz, BA, MPhil, Ph D (Caribbean Studies/Women and Gender Studies)

### Associate Professors, Teaching Stream

- L. Freedman, MFA (Writing Centre/English Language Learning)
- A. Itwaru, Ph D (Caribbean Studies)
- D. Knott, MA, MTS (Writing Centre)
- J. Larkin, BA, M Ed, Ph D (Equity Studies/Women and Gender Studies)

### Assistant Professors, Teaching Stream

- A. McGuire, BA (Hons), MA, Ph D (Equity Studies)
- A. Wasike, BA, MA, M Ed, Ph D (African Studies)

### Lecturers

- A. Guerson, Ph D (International Foundation Program)
- L. Manicom, B.Soc.Sci. (Hons), MA (New One/Community Engaged Learning)
- T. Toneatto, Ph D (Buddhism, Psychology and Mental Health/Psychiatry)

## Introduction

New College courses have in common a commitment to be explorative and inventive and to widen students' experience by critically examining relationships among academic disciplines. These courses take their place within our various Specialist, Major and Minor programs. These programs are open to all students in the University.

Integration of student experience is a major priority in a college with students from all faculties in the University. The **Independent Studies** courses provide an opportunity for students to design their own programs and to test their research, analytic, synthetic, and creative skills by writing a thesis. The **Community Engaged Learning** program supports course-based service learning and independent community engaged learning opportunities. These allow students to integrate their theoretical knowledge with practical experience, while engaging in meaningful work in campus and community organizations.

Contact:

Program Secretary's Office:  
New College, Room 133 (416-978-5404 or [nc.programs@utoronto.ca](mailto:nc.programs@utoronto.ca))

New One:  
[newone.applications@utoronto.ca](mailto:newone.applications@utoronto.ca)

Registrar's Office:  
New College, Room 107 (416-978-2460)

### New One: Learning Without Borders

We are connected in our daily lives to other people, places and communities, locally and across borders, by things we tend to take for granted - food, language, digital technology and community. But just as they connect us, these familiar elements of our lives also divide us, disadvantaging some while privileging others.

New One gives students the tools to think deeply, critically, and creatively about these four topics and what they can teach us about the ways our lives are connected "beyond borders." Inspired by the social advocacy focus of New College's academic programs, the program grapples with the core question: how do we imagine responsible global citizenship and build a more equitable and just society?

New One offers eight interdisciplinary small-class seminars. In the first semester, students accepted into the program select one out of four half-credit courses that introduce key concepts and analytic frameworks in the scholarly study of food, language, digital technology or art and community. In the second semester, four half courses provide opportunities for students to deepen their understanding of contemporary issues that arise within each of the four course topics. Students may select any one of the four second semester courses, either continuing the same theme from first semester or exploring a new course topic.

New One courses meet for 3 hours each week. A portion of those sessions will occasionally be allocated to "Learning Labs." All students in the program come together in these Learning Labs to engage in joint activities and explore issues that are common to the four topics. Both in seminars and Learning Labs, students will experience a variety of ways of learning (through, for example, guest lectures, group work, workshops, field trips to local community organizations, and panels of senior students sharing their experience and insights).

New One provides first year students with a comprehensive foundation for successful undergraduate study. It encourages active, engaged learning and creative forms of inquiry, and supports students in developing their research, writing and oral communication abilities. In the second semester particularly, students will practice and develop skills in research and knowledge presentation, showcasing their projects at the annual end-of-year "Knowledge Fair."

New One requires a specific application. All first-year students in the Faculty of Arts and Science on the St. George campus are eligible for admission. Students can apply to more than one College One program; they can accept admission to only one program. For more information about the program, application process and criteria of selection, go to <http://www.newcollege.utoronto.ca/academics/new-college-academic-programs/newone-learning-without-borders/>

### The African Studies Program

(Specialist, Major, Minor) How has the evolution of societies on the African continent been integral to universal human history? What factors, in the past and in our time, account for similarities and differences among African societies? How are patterns and challenges of development in African societies shaped by their location within the global political economy? How do representations of Africa in popular media influence our knowledge of African societies? What are the ethical dilemmas of the various ways in which we engage with African societies? African Studies provides students opportunities to study the complexity and dynamism of African societies through interdisciplinary lenses. Cutting across disciplines, the program offers a path to exploring how the organization of African societies has and continues to be shaped by the complex interaction of global and regionally-specific forces and processes. The curriculum has three areas of emphasis: dynamics and challenges of socio-economic and political transformations in Africa's "modern era"; social and political thought of Africa and its diasporas in Europe, North America and elsewhere; and African popular cultures.

### The Buddhism, Psychology and Mental Health Program

(Minor) An interdisciplinary Minor program, BPMH focuses on the growing convergence between western psychology and the psychological aspects of Buddhism as expressed in the recent interest in

# New College

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mindfulness meditation as a means of enhancing health and wellness. The program allows students to investigate the diverse ways that Buddhist and western psychology and science intersect, bringing together academic, clinical and contemplative traditions. Students choose from a wide range of courses on mind, consciousness, mindfulness meditation, social implications and applications of Buddhism, cognitive science, psychotherapy and the psychology of religion. The program encourages a critical examination of the ways that Buddhist psychology can contribute to the modern understanding of consciousness, wisdom, mental health and physical health.

## The Caribbean Studies Program

(Specialist, Major, Minor) Caribbean Studies is an interdisciplinary undergraduate program that consists of courses on Caribbean history and society, politics and economic development, literature and thought. Our courses deal with a wide range of issues including gender, religion, culture, ethnicity, race, development, language, colonialism, the environment and regional common markets. Caribbean Studies equips students to think about broad, theoretical and challenging intellectual issues and, at the same time, to ground that expansive thinking in deep understanding of the particular historical, political, economic, geographical, cultural and linguistic realities of the Caribbean and its diasporas. This combined interdisciplinary and area studies approach prepares students to think across disciplines about these kinds of questions, and to base their comparative, transnational and interdisciplinary thinking in concrete knowledge of the Caribbean and its people. The study of the Caribbean equips students to question the order of things, reflect on their own place in the world, and see past the Caribbean's size or current level of geo-political influence to recognize the inherent value and intellectual significance of all places and all people.

## The Equity Studies Program

(Major, Minor) How do we think about social justice in an increasingly globalized world? Equity Studies is an interdisciplinary undergraduate program that focuses on social justice theories and practices in a variety of local and global contexts. Cutting across a spectrum of academic disciplines, the program brings together scholarship, community work and activism in a unique approach to undergraduate education that values student experiential learning and community knowledge. Through engagement with theoretical and historical texts in equity, students are trained in postcolonial studies, transnational feminism, critical race theory, queer studies and other bodies of knowledge that have much to say about social justice. Course offerings in disability studies, global food equity and social advocacy equip students with the skills to apply their academic learning to real-life situations. By defining 'education' in the broadest sense, Equity Studies creates a dynamic learning environment that extends far beyond the university walls. With a vibrant student body, a wide range of community partners and a bold curriculum, Equity Studies at New College is a leader in social justice education in Canada.

## The Human Biology Programs

offer a broad education in life sciences with courses offered by departments in both the Faculties of Arts and Science, and Medicine (see Human Biology section of the Calendar.)

## The International Foundation Program

is designed for international students who need to meet the University's English language requirement. Students will acquire the academic and language skills necessary for full admission to undergraduate studies. Core courses include one first year history credit course (IFP100Y1),

three non-credit language courses and one non-credit discipline-specific course. For program and admission information, please see <http://www.ifp.utoronto.ca>.

## The Women and Gender Studies Program

(Specialist, Major, Minor) provides an interdisciplinary and culturally inclusive approach to understanding gender (see Women and Gender Studies section of the Calendar.)

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## New College Programs

### African Studies Specialist (Arts program)

Consult Program Director, Prof. D. Eyoh, 416-978-8288. For general enquiries call 416-978-5404 or email [nc.programs@utoronto.ca](mailto:nc.programs@utoronto.ca).

(11 full courses or their equivalent, including at least four 300+ series courses with at least one FCE at the 400-level)

First Year:

1. NEW150Y1

Higher Years:

2. JQR360H1

3. NEW450Y1

3. 2.5 full course equivalents from Group A, to be chosen from at least two different departments/programs

4. Two full course equivalents from Group B

5. Two full course equivalents from Groups A or B

6. A combination of two language full course equivalents as outlined in Group C

Note: Four FCEs of the eleven courses must be 300/400 series (including at least one 400-series FCE) of which at least one FCE must be from Group A and another from Group B

### African Studies Major (Arts program)

Consult Program Director, Prof. D. Eyoh, 416-978-8288. For general enquiries call 416-978-5404 or email [nc.programs@utoronto.ca](mailto:nc.programs@utoronto.ca).

(6 full courses or their equivalent, including two FCEs at the 300+level)

First Year:

1. NEW150Y1

Higher Years:

2. JQR360H1

3. NEW450Y1

4. 1.5 full course equivalents from Group A

5. Two full course equivalents from Group B, or NEW280Y1 and NEW380Y1

Note: At least two full course equivalents from Groups A and/or B must be at the 300/400 level

**African Studies Minor (Arts program)**

Consult Program Director, Prof. D. Eyoh, 416-978-8288. For general enquiries call 416-978-5404 or email nc.programs@utoronto.ca.

(4 full courses or their equivalent, including one FCE at the 300+level)

First Year:

1. NEW150Y1

Higher Years:

2. One full course equivalent from Group A
3. One full course equivalent from Group B, or another one from Group A
4. One full course equivalent from Group B or NEW280Y1, NEW281Y1 or NEW380Y1

Note: At least one full course equivalent must be a 300/400 series course from Groups A and/or B

**African Studies Course Groups**

**Group A** (Courses that deal exclusively with Africa. These include but are not limited to the following):

ENG367H1; FCS392H1; HIS295Y1, HIS297Y1, HIS381H1, HIS382H1, HIS383Y1, HIS394H1, HIS481H1, HIS486H1; JNH350H1; JQR360H1; NEW250Y1, NEW322H1, NEW351Y1, NEW352H1, NEW353H1, NEW357H1; NEW358H1, NEW450Y1, NEW451H1, NEW453Y1, NEW459H1; POL301Y1, POL488Y1, POL489H1; an independent studies course approved by the Program Committee

**Group B** (Courses that deal with Africa and/or one or more of its diaspora. These include but are not limited to the following):

ANT204H1, ANT345H1, ANT348H1, ANT364H1, ANT374H1, ANT452H1; ARC233H1; CIN332Y1, CIN372Y1; DTS200Y1, DTS401H1, DTS402H1; ECO230Y1, ECO324H1; ENG270Y1, ENG359H1, ENG366H1, ENG370H1; ENV221H1, ENV333H1; FOR201H1; FRE332H1, FRE334H1, FRE336H1; GGR112H1, GGR338H1, GGR419H1; HAJ453H1; HIS106Y1, HIS230H1, HIS231H1, HIS293H1, HIS305H1, HIS359H1, HIS360H1, HIS391Y1, HIS392Y1, HIS413H1, HIS446H1, HIS474H1, HIS487H1; HMB202H1, HMB203H1, HMB303H1, HMB323H1, HMB433H1, HMB443H1; JPR374H1; NFS490H1; NMC285H1, NMC286H1, NMC343H1, NMC344H1, NMC362Y1, NMC365Y1, NMC374H1, NMC376H1, NMC377Y1, NMC378H1, NMC381H1, NMC393H1; NEW220H1, NEW221H1, NEW224Y1, NEW321H1, NEW324H1, NEW325H1; PHL336H1, PHL380H1; POL201Y1, POL417Y1, POL445H1, POL447H1, POL479H1, POL482H1; RLG203H1, RLG204H1, RLG241H1, RLG243H1, RLG312H1, RLG321H1, RLG333H1, RLG351H1, RLG354H1, RLG355H1; SDS355H1; SOC210H1; WGS369H1, WGS385H1, WGS440H1, WGS450H1, WGS463H1

**Group C:**

(NEW280Y1, NEW380Y1)/(FSL221Y1, FSL321Y1/FSL421Y1)/(NML110Y1, NML210Y1)/(PRT100Y1, PRT220Y1); or two courses in a major African language approved by the Program Committee

**Buddhism, Psychology and Mental Health Minor (Arts program)**

Consult Program Director, Dr. T. Toneatto, 45 Willcocks St., room M-135, 416-946-0282/416-875-2533 or tony.toneatto@utoronto.ca. For general enquiries call 416-978-5404 or email nc.programs@utoronto.ca.

(4 full courses or their equivalent, including one FCE at the 300+level)

First Year:

No specific first-year courses required.

Higher Years:

1. NEW232Y1
2. 1.5 full course equivalents from the Core Group
3. 1.5 full course equivalents from Group A

**Core Group:**

NEW214H1, NEW214Y1, NEW332H1, NEW333H1, NEW334H1, NEW335H1, NEW336H1, NEW337H1, NEW338H1, NEW339H1, NEW430H1, NEW432H1, NEW433H1, NEW438H1

**Group A:**

ANT100Y1, ANT204H1, ANT348H1, ANT356H1; COG250Y1, COG341H1, COG342H1; EAS241H1, EAS346H1, EAS361H1, EAS393H1, EAS393Y1, EAS414H1; FAH260H1; HIS280Y1, HIS282Y1; HMB300H1, HMB434H1; HPS100H1, HPS110H1, HPS200H1, HPS250H1, HPS326H1, HPS352H1; NEW214H1, NEW214Y1, NEW302Y1, NEW303H1, NEW332H1, NEW333H1, NEW335H1, NEW336H1, NEW339H1, NEW432H1, NEW433H1, NEW438H1; PHL100Y1, PHL200Y1, PHL201H1, PHL217H1, PHL232H1, PHL235H1, PHL237H1, PHL240H1, PHL244H1, PHL275H1, PHL281H1, PHL302H1, PHL310H1, PHL311H1, PHL319H1, PHL320H1, PHL326H1, PHL331H1, PHL332H1, PHL335H1, PHL340H1, PHL341H1, PHL375H1, PHL376H1, PHL382H1, PHL383H1, PHL404H1, PHL405H1, PHL406H1, PHL407H1, PHL414H1, PHL415H1, PHL478H1, PHL479H1; PSY100H1, PSY210H1, PSY220H1, PSY230H1, PSY240H1, PSY260H1, PSY270H1, PSY280H1, PSY311H1, PSY312H1, PSY313H1, PSY321H1, PSY326H1, PSY331H1, PSY333H1, PSY336H1, PSY337H1, PSY341H1, PSY342H1, PSY343H1, PSY370H1, PSY371H1, PSY414H1, PSY425H1, PSY426H1, PSY434H1, PSY435H1, PSY450H1, PSY473H1, PSY493H1; RLG200H1, RLG206H1, RLG209H1, RLG210Y1, RLG211H1, RLG212H1, RLG213H1, RLG229H1, RLG231H1, RLG245H1, RLG246H1, RLG280Y1, RLG301H1, RLG303H1, RLG304H1, RLG311H1, RLG321H1, RLG326H1, RLG337H1, RLG333H1, PSY336H1, RLG375H1, RLG376H1, RLG377H1, RLG378H1, RLG379H1, RLG421H1, RLG440H1, RLG462H1, RLG463H1, RLG464H1, RLG465H1, RLG466H1, RLG467H1, RLG468H1, RLG469Y1, RLG470H1; SOC101Y1, SOC212H1, SOC243H1, SOC248H1, SOC250Y1, SOC363H1, SOC448H1, SOC483Y1; VIC106H1, VIC206H1

**Caribbean Studies Specialist (Arts program)**

Consult Program Director, Prof. M. J. Newton, 416-978-8482. For general enquiries call 416-978-5404 or email nc.programs@utoronto.ca.

(10 full courses or their equivalent, including at least four FCEs at the 300+ level, one FCE of which must be at the 400-level.)

First Year:

1. NEW120Y1

Higher Years:

2. 1.0 full course or its equivalent from HIS230H1/HIS231H1/NEW220H1/NEW221H1/NEW224Y1
3. JQR360H1
4. 3.5 full courses or their equivalent from the Core Group (including at least 2.5 FCE at the 300+ level, at least 1.0 FCE of which must be at the 400-level)
5. 2.0 full courses or their equivalent from Group A (including at least 1.0 FCE at the 300+ level)
6. 2.0 full courses or their equivalent from Group A or B

## Caribbean Studies Major (Arts program)

Consult Program Director, Prof. M. J. Newton, 416-978-8482. For general enquiries call 416-978-5404 or email [nc.programs@utoronto.ca](mailto:nc.programs@utoronto.ca).

(7 full courses or their equivalent including at least two FCEs at the 300+level, 0.5 of which must be at the 400-level)

First Year:

1. NEW120Y1

Higher Years:

2. 1.0 full course or its equivalent from

HIS230H1/HIS231H1/NEW220H1/NEW221H1/NEW224Y1

3. JQR360H1

4. 2.0 full courses or their equivalent from the Core Group at the 300+ level, at least 0.5 of which must be at the 400-level

5. EITHER 2.5 full courses or their equivalent from Group A or B **OR**

2.0 full courses or their equivalent if taking 1.5 FCE from

HIS230H1/HIS231H1/NEW220H1/NEW221H1/NEW224Y1 **OR**

1.5 full courses or their equivalent if taking 2.0 FCE from

HIS230H1/HIS231H1/NEW220H1/NEW221H1/NEW224Y1

## Caribbean Studies Minor (Arts program)

Consult Program Director, Prof. M. J. Newton, 416-978-8482. For general enquiries call 416-978-5404 or email [nc.programs@utoronto.ca](mailto:nc.programs@utoronto.ca).

(4 full courses or their equivalent including at least 1.0 FCE at the 300+level)

First Year:

1. NEW120Y1

Higher Years

2. 1.0 full course or its equivalent from

HIS230H1/HIS231H1/NEW220H1/NEW221H1/NEW224Y1

3. 1.0 full course or its equivalent from the Core Group

4. 1.0 full course or its equivalent from the Core Group or Group A

## Caribbean Studies Course Groups

### Core Group:

HIS230H1, HIS231H1, HIS474H1; JHN323H1; JLN327H1, JLN427H1; NEW220H1, NEW221H1, NEW224Y1, NEW315H1, NEW316H1, NEW317H1, NEW321H1, NEW324H1, NEW325H1, NEW328H1, NEW329H1, NEW421H1, NEW423H1, NEW424Y1, NEW426H1, NEW426Y1, NEW428H1, NEW429H1; SPA486H1

### Group A:

ENG359H1, ENG366H1, ENG369H1; HIS106Y1, HIS292H1, HIS305H1, HIS312H1, HIS359H1, HIS360H1, HIS413H1, HIS446H1, HIS474H1; SPA220Y1, SPA487H1, WGS450H1

### Group B:

ABS201Y1, ABS250H1, ABS300Y1, ABS302H1, ABS322H1, ABS355H1, ABS390H1, ABS402H1, ABS491Y1; ANT316H1, ANT322H1, ANT324H1, ANT345H1, ANT346H1, ANT364H1, ANT370H1, ANT372H1, ANT374H1, ANT412H1, ANT420H1, ANT427H1, ANT451H1, ANT452H1; ARC233H1; CDN335H1; CIN332Y1; CRI383H1, CRI487H1; DRM362H1; DTS200Y1, DTS401H1, DTS402H1, DTS403H1; EEB215H1, EEB255H1; ENG270Y1, ENG285H1, ENG370H1; ENV322H1, ENV422H1; FOR201H1, FOR306H1; FRE240H1, FRE324H1, FRE332H1, FRE336H1; GGR240H1, GGR338H1; HAJ453H1; HIS301H1, HIS390Y1; JPR374H1; JPU315H1; LAS200H1, LAS201H1; NEW150Y1, NEW240Y1,

NEW270H1, NEW322H1, NEW351Y1; PHL316H1, PHL362H1; POL201Y1, POL305Y1, POL326Y1, POL343Y1, POL349H1, POL417Y1, POL424H1, POL429H1, POL445H1, POL447H1, POL482H1; RLG100Y1, RLG233H1, RLG243H1, RLG280Y1; SOC336H1, SOC383H1; WGS273H1, WGS369H1, WGS385H1, WGS426H1, WGS440H1, WGS450H1, WGS463H1

**Note:** Students are responsible for checking the co- and prerequisites for HIS474H1, SPA486H1, and all courses in Group A and B. Courses listed in the current academic calendar that include significant Caribbean content but are not listed in Group A or B may be considered, in consultation with the Caribbean Studies Program Director.

## Equity Studies Major (Arts program)

Consult Program Co-ordinator, Dr. J. Larkin, 416-978-8282. For general inquiries call 416-978-5404 or email [nc.programs@utoronto.ca](mailto:nc.programs@utoronto.ca).

(7 full courses or their equivalent, including two FCEs at the 300+level)

First Year:

No specific first-year courses required.

Higher Years

1. NEW240Y1

2. NEW341H1

3. JQR360H1

4. 1.5 additional full course equivalents from the core group, including at least 0.5 at the 400-level

5. 3.5 FCEs from Groups A, B, C, D (including one or more FCEs from at least three of the four groups)

## Equity Studies Minor (Arts program)

Consult Program Co-ordinator, Dr. J. Larkin, 416-978-8282. For general inquiries, call 416-978-5404 or email [nc.programs@utoronto.ca](mailto:nc.programs@utoronto.ca).

(4 full courses or their equivalent, including at least one FCE at the 300+ level)

First Year:

No specific first-year courses required.

Higher Years:

1. NEW240Y1

2. One FCE in any area from the core group

3. One additional FCE in any area from the core group or one FCE from Groups A, B, C, D.

4. An additional FCE from Groups A, B, C, D.

## Equity Studies Course Groups

Although students may select from any of the core courses to fulfill the additional core group requirement, those who wish to focus on a specific area of emphasis can choose from the following series of course offerings:

### Core Group:

Disability Studies: JNS450H1, NEW241Y1, NEW270H1, NEW344H1, NEW349H1, NEW448H1, NEW449H1;

Global Food Equity: NEW270H1, NEW315H1, NEW342H1, NEW442H1;

Social Advocacy: NEW270H1, NEW345H1, NEW346H1, NEW347H1,

NEW444H1, NEW445H1, NEW446H1, NEW447H1

Special Topics: NEW340H1, NEW348H1, NEW440Y1, NEW441H1, NEW443H1, NEW469Y1

### Group A: Gender

ANT343H1, ANT460H1; CAS360H1; CLA219H1, CLA319H1;



ENG307H1, ENG355H1; FRE304H1; GGR320H1, GGR327H1; HIS202H1, HIS205H1, HIS348H1, HIS354H1, HIS363H1, HIS383Y1, HIS406H1, HIS431H1, HIS446H1, HIS448H1, HIS465Y1, HIS481H1, HIS486H1; ITA455H1; JAL355H1; JPP343H1; NEW317H1, NEW325H1; NMC284H1, NMC484H1; PHL367H1; POL351H1, POL432H1, POL450H1; PSY323H1; RLG235H1, RLG312H1, RLG313H1; SLA248H1; SMC322H1; SOC265H1, SOC314H1, SOC366H1, SOC383H1, SOC465H1; SPA382H1, VIC341H1, VIC342H1, VIC343Y1; WGS160Y1, WGS260H1, WGS271Y1, WGS273H1, WGS367H1, WGS372H1, WGS373H1

**Group B: Race, Creed, Ethnicity**

ABS261H1; ANT204H1, ANT351H1, ANT458H1; ARC234H1; CAS310H1; CDN307H1, CDN335H1; EAS497H1; ENG270Y1, ENG355H1, ENG359H1, ENG366H1, ENG367H1, ENG368H1, ENG369H1, ENG370H1, ENG375H1; FIN320H1; FRE336H1, HIS107Y1, HIS208Y1, HIS230H1, HIS231H1, HIS282Y1, HIS284Y1, HIS297Y1, HIS303H1, HIS305H1, HIS312H1, HIS338H1, HIS359H1, HIS360H1, HIS384H1, HIS391Y1, HIS392Y1, HIS402H1, HIS412Y1, HIS413H1, HIS416H1, HIS467H1, HIS470H1, HIS474H1; JHN323H1; LAS301H1, LAS302H1; NEW150Y1, NEW224Y1, NEW250Y1, NEW322H1, NEW324H1, NEW328H1, NEW351Y1, NEW352H1, NEW424Y1, NEW429H1, NEW453Y1; NMC484H1; POL301Y1, POL308H1, POL321Y1, POL424H1, POL467H1; PRT255H1; RLG220H1, RLG243H1, RLG313H1, RLG315H1, RLG344H1, RLG352H1; SLA222H1; SOC210H1, SOC336H1; SPA486H1

**Group C: Sexual Diversities**

ANT441H1, ANT456H1; ENG273Y1, ENG384Y1; JPU315H1; JSU325H1; PHL243H1; SDS255H1, SDS256H1, SDS345H1, SDS346H1, SDS354H1, SDS355H1, SDS365H1, SDS375H1, SDS377H1, SDS378H1, SDS379H1, SDS455H1, SDS470H1, SDS475H1, SDS477H1; SOC410H1; UNI104Y1; WGS374H1, WGS376H1

**Group D: General Equity**

ABS201Y1, ABS240Y1, ABS250H1, ABS300Y1, ABS301Y1, ABS302H1, ABS322H1, ABS341H1, ABS350H1, ABS351Y1, ABS353H1, ABS402H1, ABS403H1, ABS405H1; ANT204H1, ANT324H1, ANT327H1, ANT329H1, ANT348H1, ANT358H1, ANT364H1, ANT366H1, ANT426H1, ANT427H1, ANT452H1, ANT472H1, ANT474H1; ARC233H1; CAS440H1; CDN267H1, CDN367H1; CRI487H1; DTS200Y1, DTS401H1, DTS402H1; EAS439H1, EAS462H1; ECO332H1, ECO369H1; ENG254Y1; FAH457H1; GGR112H1, GGR216H1, GGR241H1, GGR321H1, GGR328H1, GGR329H1, GGR338H1, GGR339H1, GGR363H1, GGR418H1, GGR419H1, GGR452H1, GGR457H1; HAJ453H1; HIS106Y1, HIS313H1, HIS323H1, HIS366H1, HIS369H1, HIS375H1, HIS424H1, HIS459H1, HIS472H1, HIS480H1, HIS489H1; HMB203H1, HMB303H1, HMB443H1; HPS324H1; HST330H1, HST411H1; JFP450H1, JGI216H1; JNH350H1; JSU237H1; JSV202H1; NEW214H1, NEW214Y1; PHL273H1, PHL281H1, PHL380H1, PHL383H1, PHL384H1; POL201Y1, POL344Y1, POL412H1, POL421H1, POL439H1, POL480H1; PRT351H1; RLG317H1; SAS318H1; SOC102H1, SOC207H1, SOC220H1, SOC282H1, SOC301Y1, SOC309H1, SOC355H1, SOC363H1, SOC364H1, SOC367H1, SOC453H1, SOC479H1; UNI101Y1; VIC185H1

Note: students are responsible for checking the co- and prerequisites for all courses in Groups A,B,C, and D

**Human Biology**

See Human Biology

**Women & Gender Studies**

See Women & Gender Studies

**New College Courses**

**New One: Learning Without Borders**

The following courses are restricted to students enrolled in New One: Learning Without Borders

**NEW101H1 Food Matters I (formerly NEW101Y1) [12L/24S]**

Exploring key themes and different kinds of knowledge implied by the notion of "learning without borders", this interdisciplinary course looks at food as a system that impacts every element of life. It makes connections with other New One topics, links students' own food choices to global forces, and considers what global citizenship might mean in the context of food.

Prerequisite: Admission to New One

Exclusion: INI, Munk, SMC, TRN, UNI, VIC, and WDW One;

NEW101Y1/NEW102Y1/NEW103Y1/NEW104Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**NEW102H1 Travelling Words: Language and Diversity I (formerly NEW102Y1) [12L/24S]**

Exploring key themes and different kinds of knowledge implied by the notion of "learning without borders", this interdisciplinary course looks at the place of language in connecting and dividing people, places and communities. Defining language broadly, it makes connections with other New One topics, and explores students' own language experience in relation to global forces.

Prerequisite: Admission to New One

Exclusion: INI, Munk, SMC, TRN, UNI, VIC, and WDW One;

NEW101Y1, NEW102Y1, NEW103Y1, NEW104Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**NEW103H1 Digital Technology and Society I (formerly NEW103Y1) [12L/24S]**

Exploring key themes and different kinds of knowledge implied by the notion of "learning without borders", this interdisciplinary course considers how digital technology connects us to others around the globe, shaping how we live, think, see, relate and imagine in the world. It makes connections with other New One topics, and engages students' own experience of digital technology.

Prerequisite: Admission to New One

Exclusion: INI, Munk, SMC, TRN, UNI, VIC, and WDW One;

NEW101Y1, NEW102Y1, NEW103Y1, NEW104Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**NEW104H1 Art and Community I (formerly NEW104Y1) [12L/24S]**

Exploring key themes and different kinds of knowledge implied by the notion of "learning without borders", this interdisciplinary course explores the concepts of home and belonging and how art is involved in creating a sense of community. It makes connections with other New One topics, and engages students in their own social interactive artistic practice.

Prerequisite: Admission to New One

Exclusion: INI, Munk, SMC, TRN, UNI, VIC, and WDW One;

NEW101Y1, NEW102Y1, NEW103Y1, NEW104Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NEW111H1 Food Matters II [12L/24S]**

What is at stake in achieving ethical food production, access to nutritious and environmentally sustainable food, and global food security? Building on integrated learning from any New One I course, this course engages more deeply with such questions, along with community-led alternatives to dominant food systems, animal rights, biotechnology, and health and wellness.

Prerequisite: NEW101H1/NEW102H1/NEW103H1/NEW104H1/Permission of the New One Coordinator

Exclusion: INI, Munk, SMC, TRI, UC, VIC and WDW One; NEW101Y1/NEW102Y1/NEW103Y1/NEW104Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **NEW112H1 Travelling Words: Language and Diversity II [12L/24S]**

Building on the integrated learning from any New One I course, this course considers various language issues that arise as people migrate around the globe, including the relationship of language and culture, the question of language preservation, the politics of minority and global languages, language policy and norms, disability and diverse ways of communicating.

Prerequisite: NEW101H1/NEW102H1/NEW103H1/NEW104H1/Permission of the New One Coordinator

Exclusion: INI, Munk, SMC, TRI, UC, VIC and WDW One; NEW101Y1/NEW102Y1/NEW103Y1/NEW104Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **NEW113H1 Digital Technology and Society II [12L/24S]**

Building on the integrated learning from any New One I course, this course explores the historical development and social implications of digital technology including such questions as the effects of increased surveillance on notions of privacy, open access and control over knowledge, new media and social activism, and the potential of media arts, biometrics and digitizing healthcare.

Prerequisite: NEW101H1/NEW102H1/NEW103H1/NEW104H1/Permission of the New One Coordinator

Exclusion: INI, Munk, SMC, TRI, UC, VIC and WDW One; NEW101Y1/NEW102Y1/NEW103Y1/NEW104Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **NEW114H1 Art and Community II [12L/24S]**

Building on the integrated learning from any New One I course, through various art forms and research tools such as mapping, walking, and listening, this course explores the layered historical, cultural, and social landscapes of the city, including processes of inclusion and exclusion, as well as ways in which art might intervene to effect positive social change.

Prerequisite: NEW101H1/NEW102H1/NEW103H1/NEW104H1/Permission of the New One Coordinator

Exclusion: INI, Munk, SMC, TRI, UC, VIC and WDW One; NEW101Y1/NEW102Y1/NEW103Y1/NEW104Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **First Year Seminars**

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

## **ELL011H1 Intensive Academic English**

Students will learn strategies for improving high-level reading comprehension, listening to lectures with full understanding, and giving successful oral presentations. A series of short writing assignments will develop and apply skills in grammar, vocabulary-building, critical thinking and research. Suitable for humanities, social science and science students. This course has no credit value: it does not count toward degree requirements. For information, see <http://www.artsci.utoronto.ca/current/advising/ell/>. Not eligible for CR/NCR option.

## **IFP100Y1 Themes in World History [48L/36T]**

Surveys the development of human societies from their origins to the present using examples from across the world. Topics may include the environment, cultural development and interaction, the creation and nature of belief systems, political, economic and social structures, gender relations, and the relationship between global patterns and local developments. Enrolment is restricted to students registered in the International Foundation Program. Not eligible for CR/NCR option. Distribution Requirement Status: Humanities or Social Science Breadth Requirement: Thought, Belief and Behaviour (2) + Society and its Institutions (3)

## **IFP100H1 Themes in World History [24L]**

Surveys the development of human societies from their origins to the present. Topics may include the environment, cultural development and interaction, the creation and nature of belief systems, political, economic and social structures, gender relations, and the relationship between global patterns and local development. Restricted to students enrolled in the summer offering of the International Foundation Program (IFP). Not eligible for CR/NCR option.

Exclusion: IFP100Y1/UTP100H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **UTP100H1 Themes in World History [24L]**

Surveys the development of human societies from their origins to the present. Topics may include the environment, cultural development and interaction, the creation and nature of belief systems, political, economic and social structures, gender relations, and the relationship between global patterns and local development. Restricted to students enrolled in the UTPrep program.

Exclusion: IFP100Y1/UTP100H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **Interdisciplinary Courses**

### **NEW270H1 Foundations for Community Engagement [24L/12T]**

Examines issues in community-based organizing, partnerships and advocacy. Drawing on interdisciplinary theory, methodology and case studies, develops skills both to analyze the social, economic, political, ethical and cultural dimensions of working with communities and to critically evaluate organizing practices and strategic approaches in community engagement.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**JQR360H1 The Canadian Census: Populations, Migrations and Demographics [24L/12T]**

Examines the Canadian population census through the experience of diasporic groups in Canada. Approaches the census as a statistical tool, an historical source and an ideological project of citizenship and nationalism. Uses census data to explore mathematical and statistical concepts and to integrate numerical ways of thinking with qualitative analysis. (Jointly sponsored by African Studies, Diaspora and Transnational Studies, Caribbean Studies, Equity Studies and Latin American Studies).

Prerequisite: DTS200Y1/HIS230H1/HIS231H1/LAS200H1/LAS201H1/NEW120Y1/NEW150Y1/NEW220H1/NEW221H1/NEW224Y1/NEW240Y1

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

**NEW371H0 International Field Course [TBA]**

Provides opportunities for students to engage in an international experiential learning program related to their academic areas of study. The course involves seminars, group exercises, site visits and a final project. Some sessions will be held in Toronto prior to and following the trip. Not eligible for CR/NCR option.

Prerequisite: Foundational course from participating programs (Aboriginal Studies; African Studies; Buddhism, Psychology and Mental Health; Caribbean Studies; Equity Studies; Human Biology)  
Distribution Requirement Status: Social Science

**NEW471H1 Interdisciplinary Special Topics [24S]**

Topics vary from year to year depending on the instructor.  
Distribution Requirement Status: Humanities  
Breadth Requirement: None

**Interdisciplinary Courses in Jungian Theory**

**NEW302Y1 C.G. Jung: Stories, Patterns, Symbols [48L/24S]**

Impact of Jung's analytical psychology, critical methodology and interpretative practice on issues in religion, anthropology, art and literature, popular culture, gender studies and postmodernist critique. Theoretical studies include traditional Jungian and contemporary post-Jungian texts together with feminist and non-Jungian sources.

Prerequisite: Four FCEs, at least one of which should be in the humanities  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1) + Thought, Belief and Behaviour (2)

**NEW303H1 Hypotheses of the Unconscious [12L/12S]**

Current discussions of the hypotheses, starting with Freud's and Jung's hypotheses, especially Jung's collective unconscious; critical examination through retrospective analysis of the evolution and development of the concept in works from philosophy, psychology, poetry, ethnology, science and popular culture that anticipated, influenced or were influenced by the work of Freud and Jung, post-Freudians and post-Jungians.

Prerequisite: Four FCEs, at least one of which should be in the humanities  
Recommended Preparation: NEW302Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

**NEW402Y1 Advanced Special Topics in Jungian Theory [48S]**

Topics vary from year to year, depending on the interests of students and instructors.  
Prerequisite: Permission of instructor  
Distribution Requirement Status: Humanities  
Breadth Requirement: None

**NEW403H1 Advanced Special Topics in Jungian Theory [24S]**

Topics vary from year to year depending on the interests of students and instructors.  
Prerequisite: Permission of instructor  
Distribution Requirement Status: Humanities  
Breadth Requirement: None

**African Studies Courses**

**NEW150Y1 Introduction to African Studies [48L/24T]**

A multi-disciplinary study of Africa, emphasizing inquiry and critical analysis. Pre-colonial, colonial and contemporary African history, anthropology, politics, African humanism and society, religion, art, music, race, resistance, gender and Pan-Africanism.  
Distribution Requirement Status: Humanities or Social Science  
Breadth Requirement: Society and its Institutions (3)

**NEW250Y1 Africa in the 21st Century: Challenges and Opportunities [48L]**

A critical examination of Africa as a living space rather than merely a site of intellectual speculation and study. Uses scholarly and popular literature to explore the issues that engage the attention of ordinary Africans, ranging from the dramatic to the seemingly trivial, as they struggle to fashion meaningful lives in fast-changing societies. Topics include urban transition and city life; economic, political and cultural impacts of globalization; new religious movements and changing conceptions of selfhood; new African diasporas in the West; dynamics of gender relations, kinships and identities; and the politics of liberalization. Materials studied will include print and electronic news media and other mass media resources from Africa and across the world.  
Distribution Requirement Status: Humanities or Social Science  
Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

**NEW280Y1 Introductory Swahili [24L/72T]**

Introduction to grammar and basic vocabulary of Swahili. Emphasis on comprehension and oral practice. Reading of selected texts. Relation of the language to its East African cultural context.  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

**NEW322H1 The Contemporary African Novel (formerly NEW322Y1) [24S]**

Novels written in the last forty years by English, French and Portuguese-speaking Africans. Ideological views concerning colonialism and neo-colonialism. Tradition, religious and secular; the use of African symbolism. A small number of historical and sociological texts are recommended as essential background reading. Works not written in English are read in translation. (Offered in alternate years)  
Exclusion: NEW322Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **JNH350H1 AIDS : Challenges and Successes (formerly NEW350H1) [24L]**

Explores the pandemic of AIDS in Africa through a social science lens. (Given by Human Biology and New College)

Exclusion: NEW350H1

Recommended Preparation: NEW150Y1

Distribution Requirement Status: Humanities or Social Science or Science

Breadth Requirement: Society and its Institutions (3)

## **NEW351Y1 African Systems of Thought (formerly NEW252Y1) [48L]**

The exploration of a range of African cosmologies, epistemologies, and theologies, as well as specific case studies on justice, the moral order, and gender relations. The influence of these richly diverse traditions is traced as well in the writings of African thinkers in the Diaspora.

Exclusion: NEW252Y1, JAP256H1/JAP356H1

Recommended Preparation: NEW150Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2) + Society and its Institutions (3)

## **NEW352H1 International Organizations, NGOs, Development and Change in Africa [24L]**

Critically explores the role of international organizations such as the World Bank Group, the UN and NGOs in the economic development of Africa.

Prerequisite: NEW150Y1/NEW250Y1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **NEW353H1 International Relations of Africa [24L]**

Explores inter-state relations in Africa, African states' relations with the West, China, India, Brazil, and international political, economic and financial institutions.

Prerequisite: NEW150Y1/NEW250Y1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **NEW357H1 Special Topics in African Studies [24L]**

An upper level course. Topics of study vary from year to year.

Prerequisite: NEW150Y1/NEW250Y1

Distribution Requirement Status: TBA

Breadth Requirement: TBA

## **NEW358H1 Special Topics in African Studies [24L]**

An upper level course. Topics of study vary from year to year.

Prerequisite: NEW150Y1/NEW250Y1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: TBA

## **JQR360H1 The Canadian Census: Populations, Migrations and Demographics [24L, 12T]**

See Interdisciplinary Courses above.

## **NEW380Y1 Intermediate Swahili [24L/72T]**

Grammar and syntax. Conversation and written composition. Reading of texts: literary, journalistic. Relation of the language to its East African context.

Prerequisite: NEW280Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NEW450Y1 Advanced Topics in African Studies [24S]**

A required course for all Specialists and Majors in the African Studies Program, enrolment is restricted to students enrolled in the program in their final year of study. The seminar is taught by the core faculty in the African Studies Program and is designed to build upon the accumulated knowledge of students and the interdisciplinary nature of the program. Topics vary from year to year.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **NEW451H1 Special Topics in African Studies [24L]**

An upper level course. Topics of study vary from year to year.

Prerequisite: NEW150Y1/NEW250Y1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: TBA

## **NEW453H1 Language and Postcolonial Education in East Africa [24S]**

Examines the choice of languages for education in East Africa using critical perspectives. Pays particular attention to the influences of the historical experience of colonialism, the socio-linguistic contours of each country and the strength of linguistic and educational lobby groups in East African countries.

Prerequisite: NEW150Y1/NEW250Y1

Exclusion: NEW453Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **NEW453Y1 Language and Postcolonial Education in East Africa [48S]**

Examines the choice of languages for education in East Africa using critical perspectives. Pays particular attention to the influences of the historical experience of colonialism, the socio-linguistic contours of each country and the strength of linguistic and educational lobby groups in East African countries.

Prerequisite: NEW150Y1/NEW250Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) +

Society and its Institutions (3)

## **NEW459H1 Advanced Special Topics in African Studies [24L]**

An upper-level course. Topics of study vary from year to year.

Prerequisite: NEW150Y1/NEW250Y1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

## **Buddhism, Psychology and Mental Health Courses**

### **NEW214H1 Socially Engaged Buddhism (formerly NEW214Y1) [24L]**

A comprehensive survey of socially engaged Buddhism. Particular focus on contemporary movements in Vietnam, Tibet, China & Taiwan, Sri Lanka, Thailand, and India. The role of women in Buddhism.

Exclusion: NEW214Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**NEW214Y1 Socially Engaged Buddhism [48L]**

Comprehensively surveys Engaged Buddhism, which applies traditional Buddhist spiritual, ethical, and social teachings to improve society, focusing on contemporary movements in Vietnam, Tibet, China & Taiwan, Sri Lanka, Thailand, and India. Applies Buddhist ethics to a range of issues of contemporary concern.

Exclusion: NEW214H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**NEW232Y1 Buddhist Psychology [72L]**

Explores the contributions of Buddhism to the study of human consciousness and behaviour. Focus is on the expanding academic discourse on the intersection of Buddhist and Western theories of psychology, phenomenology and psychotherapy. Includes analyses of the application of Buddhist mindfulness meditation in clinical interventions for mental and physical disorders.

Exclusion: NEW402Y1, NEW432Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**NEW332H1 Buddhism and Psychotherapy [24S]**

Evaluates the relationship between Buddhist psychology and the practice of Western psychotherapy. Areas that will be studied include positive psychology, psychoanalysis, cognitive-behaviour therapy, mindfulness meditation and Jungian psychology. Comparisons with original Buddhist teachings and commentaries will be made.

Recommended Preparation: NEW232Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**NEW333H1 Buddhism and Cognitive Science [36L]**

Explores some important connections between Cognitive Science and Buddhism. In particular it will examine the insights of cognitive science into central Buddhist concepts such as wisdom, mindfulness, meditation, insight and self-control, as well as related concepts such as flow and mystical experience.

Recommended Preparation: NEW232Y1/RLG206Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**NEW334H1 Science of Wisdom: Buddhist and Western Traditions [36L]**

Provides a conceptual and practical exploration of several ancient wisdom traditions. Buddhist approaches to self-actualization and wisdom will be compared to four Western sites of wisdom (i.e., Mesopotamia, ancient Greece, Christian monasticism, Renaissance). Includes guided experiential exercises for each of the wisdom traditions.

Recommended Preparation: NEW232Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**NEW335H1 Meditation and the Body [36L]**

In recent years, the effects of meditation on the body have been widely researched. There is an increasing body of evidence that mindfulness meditation can affect brain activity, brain structure, neurochemistry and other psychobiological processes (e.g. blood pressure, cardiac function). This course will examine the research in this emerging field.

Prerequisite: Completion of 9.0 FCEs

Recommended Preparation: NEW232Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

**NEW336H1 Special Topics in Buddhism, Psychology and Mental Health [36L]**

Topics vary from year to year depending on the instructor.

Recommended Preparation: NEW232Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**NEW337H1 Special Topics in Buddhism, Psychology and Mental Health [36L]**

Topics vary from year to year.

Prerequisite: 0.5 FCE from the Buddhism, Psychology and Mental Health Core Course Group.

Recommended Preparation: NEW232Y1

Distribution Requirement Status: Social Science

Breadth Requirement: TBA

**NEW338H1 Cultivating Consciousness [36L]**

Mindfulness meditation is a systematic investigation of subjective experience. Classic and modern descriptions of mindfulness and the recent scientific literature are surveyed. Students explore a number of meditative techniques such as concentration and insight meditation and are required to maintain an ongoing meditation practice during the course.

Prerequisite: NEW232Y1/NEW332H1/NEW333H1/NEW334H1/NEW335H1/NEW339H1

Exclusion: NEW432H1: Advanced Special Topics: Cultivating Consciousness

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**NEW339H1 Yogacara Buddhism and Western Psychology [36L]**

A comparative study of mind in Indian Yogacara Buddhism and modern psychology. Yogacara teachings address the three aspects of mind, the storehouse consciousness, and the notion that the root of all phenomena is mind, allowing a dialogue with the modern scientific understanding of the mind in psychology.

Recommended Preparation: NEW232Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**NEW430H1 Jungian Psychology and Tantric Buddhism [36L]**

Carl Jung wrote extensively on the benefits of Buddhism to personal development and transformation. Explores the contribution of Jungian psychology to an understanding of Tantric (or Vajrayana) Buddhism. Through experiential exercises, students will investigate the role of archetypal psychology and identification as a mediator of spiritual change.

Prerequisite: NEW232Y1

Exclusion: NEW433H1 Advanced Special Topics: Psychology of Tantric Buddhism

Recommended Preparation: NEW302Y1, NEW303H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**NEW432H1 Advanced Special Topics in Buddhism, Psychology and Mental Health [24S]**

An upper-level seminar. Topics vary from year to year, depending on the instructor.

Recommended Preparation: NEW232Y1/RLG206Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **NEW433H1 Advanced Special Topics in Buddhism, Psychology and Mental Health [24S]**

An upper-level seminar. Topics vary from year to year, depending on the instructor.

Recommended Preparation: NEW232Y1/RLG206Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **NEW438H1 Research Methods in Mindfulness Meditation [24L]**

Critically evaluates the empirical research literature relevant to the study of mindfulness meditation. Conceptual, methodological and interpretive limitations of the scientific literature are discussed. Comparisons between the scientific models of mindfulness meditation and Buddhist descriptions will be made.

Prerequisite: a statistics course (e.g. PSY201H1, SOC202H1, STA220H1)

Exclusion: NEW338H1 (taken 2009 or earlier)

Recommended Preparation: NEW232Y1/NEW331H1/NEW333H1

Distribution Requirement Status: Social Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **Caribbean Studies Courses**

### **NEW120Y1 Introduction to Caribbean Studies [48L/24T]**

Explores the complex and diverse languages, geographies, regional and national histories, cultural practices, intellectual traditions and political and economic landscapes of the Caribbean region, its people and its diasporas. Students will be introduced to the main questions, themes, and debates in Caribbean Studies. Lectures and readings develop the skills to take an interdisciplinary approach to Caribbean Studies.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Creative and Cultural Representations (1) +

Society and its Institutions (3)

### **NEW220H1 Comparative Caribbean Literature I - Canonical Readings (Formerly NEW222Y1) [24L]**

Introduction to the rich and multi-linguistic literary traditions of the Caribbean and its diaspora, focusing on canonical texts of Caribbean literature. Texts not originally written in English are read in translation.

Exclusion: NEW222H1, NEW222Y1, NEW223Y1

Recommended Preparation: NEW120Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **NEW221H1 Comparative Caribbean Literature II: Contemporary Readings [24L]**

Focuses on recent literary production, written in the last decade, from the Caribbean, insular and continental, and its diaspora. Texts not originally written in English are read in translation. While NEW220H1 is an excellent companion course, NEW221H1 can be taken independently.

Exclusion: NEW222H1, NEW222Y1, NEW223Y1

Recommended Preparation: NEW120Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **NEW224Y1 Caribbean Thought I [72L]**

A multi-disciplinary exploration of writing pertaining to culture and consciousness, particularly Afro- and Indo-Caribbean thought: theoretical perspectives on the implications and consequences of slavery and indenture, the struggle for freedom from the legacy of the plantation and colonial dependence, responses to domination and exploitation, race, gender, religion and music.

Recommended Preparation: NEW120Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2) + Society and its Institutions (3)

### **NEW259H1 World Music Ensemble: Steel Pan [48P]**

Rehearsal, performance and study of Steel Pan ensemble.

Prerequisite: Permission of the Caribbean Studies Program Director

Exclusion: PMU272H1

Recommended Preparation: NEW120Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **NEW315H1 Caribbean Foodways Across History, Culture and Diaspora [24L]**

Examines the historical roots of regional Caribbean food from the colonial period to the present day, and then moves to study Caribbean food in the global and Caribbean-Canadian diasporas, in the literary imagination, as a marker of personal, group and national identity, and as cultural expression.

Prerequisite: Completion of 4.0 FCE.

Recommended

Preparation: HIS230H1/HIS231H1/NEW120Y1/NEW220H1/NEW221H1/NEW224Y1/NEW240Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### **NEW316H1 Caribbean Religions [24L]**

Explores the complex and dynamic practices, philosophies and political and cultural contexts of Caribbean religions. Topics may include the profound impact - in both the Caribbean and its diasporas - of Caribbean Christianities, Hinduism and Islam as well as Afro-Creole religions such as Vodun, Rastafari and Santería.

Prerequisite: HIS230H1/HIS231H1/NEW120Y1/NEW220H1/NEW221H1/NEW224Y1

Exclusion: NEW329H1 Special Topics in Caribbean Studies: Caribbean Religions

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### **NEW317H1 Caribbean Women Writers [24L]**

A critical feminist reading of selected works of fiction, poetry and essays by Caribbean women writers. The aim is to appraise the development of this literature, situate texts within the key social and political debates which have influenced the region's literary output, as well as to consider the implications of the environments within which these writers function.

Prerequisite: Completion of 4.0 FCEs

Exclusion: WGS330H1

Recommended

Preparation: NEW120Y1/NEW220H1/NEW221H1/WGS160Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**NEW321H1 Caribbean Visual Arts, Social Media and Performance [24L]**

Explores themes relating to visual arts, social media and theatre in the Caribbean. Topics may include: theatre, film, mixed media arts, the role of the internet and online publishing in the arts and the relationship between artists, the state and wider society.

Prerequisite: HIS230H1/HIS231H1/NEW120Y1/NEW220H1/NEW221H1/NEW224Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**JHN323H1 Indigeneity in the Caribbean [24L]**

Explores the legacies of the pre-Columbian era, as well as the post-1492 experiences of people of pre-Columbian Caribbean ancestry. Examines the origins and consequences of the Caribbean's narrative of "indigenous absence", as well as the relationship between indigeneity, globalization and diaspora.

Prerequisite: ABS201Y1/HIS230H1/HIS231H1/NEW120Y1/NEW220H1/NEW221H1/NEW224Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**NEW324H1 The Contemporary Caribbean in a Global Context [24L]**

This upper level course examines the interplay between wider global processes and intra-regional responses that together help shape contemporary Caribbean realities. Topics include: economic crisis and structural adjustment; tourism; the agricultural sector; the Caribbean Single Market and Economy; migration and diaspora.

Prerequisite: HIS230H1/HIS231H1/NEW120Y1/NEW220H1/NEW221H1/NEW224Y1

Exclusion: NEW324Y1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

**NEW325H1 Caribbean Women Thinkers [24L]**

An examination of the historical and political significance of writings (literary, political, scholarly) by Caribbean women who engage problems within Caribbean culture and provide insights into the endeavours of the peoples of the region.

Prerequisite: Completion of 4.0 FCE.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**JLN327H1 Regional Perspectives on the Hispanic Caribbean [24L]**

Explores the Hispanic areas of the Caribbean including the Caribbean areas of continental Spanish-speaking America. Topics may include: regional politics, state and economy; revolutions and authoritarian regimes; popular culture, the arts and media; religion and society; gender and sexuality; state structures; diasporas and migration.

Prerequisite: HIS230H1/HIS231H1/NEW120Y1/NEW220H1/NEW221H1/NEW224Y1/LAS200H1/LAS201H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**NEW328H1 Caribbean Indentureship and its Legacies [24L]**

Explores indentured migration and its legacies from the 17th century through to the present. Encourages students to think comparatively and transnationally about indentureship and diaspora, as well as indentured migration's relationship to contract and labour law.

Prerequisite: HIS230H1/HIS231H1/NEW120Y1/NEW220H1/NEW221H1/NEW224Y1

Exclusion: NEW326Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**NEW329H1 Special Topics in Caribbean Studies [24L]**

An upper level course. Topics of study vary from year to year.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

**JQR360H1 The Canadian Census: Populations, Migrations and Demographics [24L, 12T]**

See Interdisciplinary Courses above.

**NEW421H1 Global Perspectives on the Haitian Revolution [24S]**

Examines the colonial pre-history of the Haitian Revolution (1791-1804). Explores how this transatlantic revolution unfolded, including the emancipation of slaves, Toussaint, Louverture, and the roles played by Spain, the United States and Britain. A reflection on the Revolution in contemporary literature and film.

Prerequisite: HIS230H1/HIS231H1/NEW120Y1/NEW220H1/NEW221H1/NEW224Y1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

**NEW423H1 Special Topics in Caribbean Studies [24S]**

An upper-level seminar. Topics vary from year to year, depending on the instructor.

Prerequisite: HIS230H1/HIS231H1/NEW120Y1/NEW220H1/NEW221H1/NEW224Y1

Distribution Requirement Status: Humanities

Breadth Requirement: None

**NEW424Y1 The Capitalist Press and the New Imperialism (formerly NEW424H1) [72S]**

Social analysis of the state-corporate mainstream capitalist press (print/electronic) problematically named The Free Press; its racist-sexist globalizing EuroAmerican cultural imperialism; the production of the commoditized consumer-subject and other re-conquest narratives and their implications for Caribbean and other World Majority peoples.

Prerequisite: HIS230H1/HIS231H1/NEW120Y1/NEW220H1/NEW221H1/NEW224Y1

Exclusion: NEW424H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2) + Society and its Institutions (3)

**NEW426H1 Special Topics in Caribbean Studies [36S]**

An upper level seminar. Topics vary from year to year, depending on the instructor.

Distribution Requirement Status: Humanities

Breadth Requirement: None

**NEW426Y1 Special Topics in Caribbean Studies [72S]**

An upper level seminar. Topics vary from year to year, depending on the instructor.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **JLN427H1 Advanced Topics: The Hispanic Caribbean (formerly NEW427H1) [24S]**

Explores, in depth, a country in the Hispanic Caribbean or a theme relating to the Hispanic Caribbean. Topics vary each year and may include: Cuban society; Hispanic Caribbean revolutions; Hispanic Caribbean music, art and popular cultures; Hispanic Caribbean diasporas.

Prerequisite: HIS230H1/HIS231H1/JLN327H1/LAS200H1/LAS201H1/NEW120Y1/NEW220H1/NEW221H1/NEW224Y1

Exclusion: NEW427H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **NEW428H1 Caribbean Migrations and Diasporas [24S]**

Examines Caribbean migration in the post-slavery era. Topics include: Caribbean diasporas in the West; labour migrations such as the Panama Canal migration; Caribbean migrant communities in Central America; intra-regional migrations between the Caribbean islands; 'guest worker' programs; remittances and their impact; heritage tourism and 'return' migrations.

Prerequisite: HIS230H1/HIS231H1/NEW120Y1/NEW220H1/NEW221H1/NEW224Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **NEW429H1 Caribbean Diaspora in Canada [24S]**

Explores the transnational circuits through which the Caribbean diaspora makes a living and makes life in contemporary Canada. How do we make sense of the Caribbean experience in Canada? What might an engagement with the Caribbean teach us about Canada as a diasporic space?

Prerequisite: CDN355H1/HIS230H1/HIS231H1/NEW120Y1/NEW220H1/NEW221H1/NEW224Y1

Exclusion: NEW329H1 (if taken in Summer 2013 or Summer 2014 as "The Caribbean Diaspora: Travels and Tribulations")

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **Equity Studies Courses**

### **NEW240Y1 Introduction to Equity Studies [48L/24T]**

An interdisciplinary study of social justice issues in local and global contexts. Examines ongoing and new forms of inequity and various approaches to social change. Topics include the origins of inequities, critical anti-racism, global labour patterns, economic restructuring, gender variance, disability studies, food security and the politics of resistance.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

### **NEW241Y1 Introduction to Disability Studies [48L/24T]**

Introduces students to the theory and practice of Disability Studies. Explores the history of the development of disability studies. Examines cultural representations of disability and critically assesses the ways disability is conceptualized in societal institutions. Forms of disability activism are also discussed.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

### **NEW270H1 Foundations for Community Engagement**

See Interdisciplinary Courses above.

### **NEW340H1 Special Topics in Equity Studies [36L]**

An upper level course. Topics of study vary from year to year.

Prerequisite: NEW240Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **NEW341H1 Theorizing Equity [24S]**

Explores theories that inform Equity Studies and situates them historically to examine both the social conditions and practices that generate inequities and the responses by equity advocates. Examines texts in relevant fields such as post-colonial theory, queer theory, disability studies, feminist theory and transnational studies.

Prerequisite: NEW240Y1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

### **NEW342H1 Theory and Praxis in Food Security [24S]**

Explores the concept of food security in the context of equity issues related to global food systems. Students participate in food-related field work activities outside of regular classroom time.

Prerequisite: NEW240Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **NEW344H1 Equity and the Body [24L]**

An analysis of the body as the product of complex social organizations, processes and structures. Examines cultural stories recounted about the body through topics that include genetics, beauty, health, pathology and the multiple identities that intersect at the site of the body.

Prerequisite: NEW240Y1/NEW241Y1

Exclusion: NEW344Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **NEW344Y1 Equity and the Body [48L]**

An analysis of the body as the product of complex social organizations, processes and structures. Examines cultural narratives recounted about the body through topics that include genetics, beauty, health, pathology and the multiples identities that intersect at the site of the body.

Prerequisite: NEW240Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

### **NEW345H1 Equity and Activism in Education [24L]**

Examines contemporary issues in education and schooling from a social justice and equity perspective. Engages with a variety of theoretical frameworks including anti-homophobia education, critical pedagogy, critical race theory, decolonizing knowledges, and intersectionality. Includes an overview of educational activist projects.

Prerequisite: NEW240Y1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)



**NEW346H1 Community Development in Local and Global Contexts [24L]**

An interdisciplinary approach to community development that considers the changing roles of community organizations and non-profits in the context of neoliberalism. Examines the political economy of community development in Canada, the impact on marginalized groups, and emerging forms of collaboration across sectors and geographic (including national) localities.

Prerequisite: NEW240Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**NEW347H1 Critical Race and Anti-Racism Studies [36L]**

Considers what it means to pursue integrative anti-racism in organizational/institutional settings such as the workplace, justice system, media and education through a study of theories on race and philosophical tenets of anti-racism. Examines the concept of race as a pedagogical discourse and social-political practice across local, national and global contexts.

Prerequisite: NEW240Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**NEW348H1 Special Topics in Equity Studies [24L]**

An upper level course. Topics of study vary from year to year.

Prerequisite: NEW240Y1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

**NEW349H1 Disability and Representation [24S]**

Explores the connection between disability and representation through contemporary social theories and methods in disability studies. Problematises disability representation to challenge the taken-for-granted cultural assumption that disability is a problem that requires a solution.

Prerequisite: NEW240Y1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

**JQR360H1 The Canadian Census: Populations, Migrations and Demographics [24L, 12T]**

See Interdisciplinary Courses above.

**NEW440Y1 Advanced Special Topics in Equity Studies [72L]**

An advanced level seminar course. Topics of study vary from year to year.

Prerequisite: NEW240Y1 and an additional 0.5 Equity Studies Core Group 300+ level course

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2) + Society and its Institutions (3)

**NEW441H1 Advanced Topics in Equity Studies [24S]**

An advanced level seminar course. Topics vary from year to year.

Prerequisite: NEW240Y1 or permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: None

**NEW442H1 Food Systems and the Politics of Resistance [36L]**

Examines the food we eat in the local and global context of food systems, food sovereignty and food movements. Explores the possibilities for food as a catalyst for learning, resistance and social change.

Note: This is a joint graduate/undergraduate course.

Prerequisite: NEW240Y1, NEW342H1, and an additional 0.5 Equity Studies Core Group 300+ level course. Students must have completed 14.0 credits, be enrolled in the Equity Studies Major Program, and will normally have a CGPA of at least 3.5. Enrolment is by application. Consult the Program Office (nc.programs@utoronto.ca or 416-978-5404) for course enrolment procedures.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**NEW443H1 Advanced Special Topics in Equity Studies [36S]**

An advanced level seminar course. Topics of study vary from year to year.

Prerequisite: NEW240Y1 and an additional 0.5 Equity Studies Core Group 300+ level course.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**NEW444H1 Social Change and Non-Violence [24S]**

Examines theories and practices that promote the building of cooperative, non-violent communities. Grounded in a series of historical cases studies, the course critically considers Gandhian principles and the ways in which these have been translated into collective action.

Prerequisite: NEW240Y1 and an additional 0.5 Equity Studies Core Group 300+ level course

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**NEW445H1 Anti-Oppression Education in School Settings [24L]**

Identifies ways systems of oppression and oppressive educational practices manifest themselves in school settings. Discusses how educators can use these settings or create new spaces to do anti-oppressive educational work. Integrates anti-oppressive educational theories with anti-oppressive school practice.

Note: This is a joint graduate/undergraduate course.

Prerequisite: NEW240Y1, NEW345H1, and an additional 0.5 Equity Studies Core Group 300+ level course. Students must have completed 14.0 credits, be enrolled in the Equity Studies Major Program, and will normally have a CGPA of at least 3.5. Enrolment is by application. Consult the Program Office (nc.programs@utoronto.ca or 416-978-5404) for course enrolment procedures.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**NEW446H1 Community Development and Social Change [36L]**

Explores the significance of community development as a social change strategy, through a critical social analysis of local and global case studies and policies.

Note: This is a joint graduate/undergraduate course.

Prerequisite: NEW240Y1, NEW346H1, and an additional 0.5 Equity Studies Core Group 300+ level course. Students must have completed 14.0 credits, be enrolled in the Equity Studies Major Program, and will normally have a CGPA of at least 3.5. Enrolment is by application. Consult the Program Office (nc.programs@utoronto.ca or 416-978-5404) for course enrolment

# New College

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procedures.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **NEW447H1 Race, Ethnicity and Educational Praxis [36L]**

An application of critical race, ethnicity and social difference discourse to educational praxis. Examines the articulation of theoretical perspectives to explain particular incidents in society, and to understand forms of institutional racism and emerging minority responses. Explores the implications for pedagogical practices in education.

Prerequisite: NEW240Y1, NEW347H1 and one additional half-course at the 300+ level in Equity Studies; permission of Program Director

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **NEW448H1 Advanced Special Topics in Disability Studies [24L]**

An advanced level seminar course. Topics of study vary from year to year.

Prerequisite: NEW240Y1/NEW241Y1 and an additional 0.5 Equity Studies Core Group 300+ level course

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **NEW449H1 Contemporary Theories in Disability Studies [24S]**

Explores the influence of contemporary social theory in the formation of Disability Studies and its contemporary expressions. Examines how contemporary feminist theory, queer theory, and post-colonial theory intersect with Disability Studies to develop an understanding of disability as a socio-political phenomenon.

Prerequisite: NEW240Y1/NEW241Y and an additional 0.5 Equity Studies Core Group 300+ level course

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **JNS450H1 Sexuality & Disability [24S]**

An interdisciplinary and intersectional approach to the study of disability and sexuality. Students will engage with historical, mainstream and critical discourses and explore complex issues and representations pertaining to disability, sexuality, sexual practices and desire. Draws from a range of writings and cultural texts in queer, crip and sexuality studies.

Prerequisite: SDS255H1/SDS256H1 (UNI255H1/UNI256H1) or NEW240Y1/NEW241Y1 or permission of the instructor

Exclusion: SDS455H1: Special Topics in Sexual Diversity: Sexuality & Disability (2015)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **NEW469Y1 Senior Research Project in Equity Studies [48S]**

Supervised research project undertaken in the final year of study. Students attend a seminar to present their on-going research and to discuss the research process. Final projects will be presented in a public student research symposium. Not eligible for CR/NCR option.

Prerequisite: NEW240Y1, 1.0 FCE Equity Studies Core Group 300+ level course, and a minimum cGPA of 3.0.

Distribution Requirement Status: Social Science

Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

## **Independent Studies Courses**

New College Independent Study courses are designed both to complement regular offerings in New College programs and to provide an opportunity for New College students in any program to enrich their

studies. The normal expectation of a project course is that the student, aided and advised by the supervisor, will read relevant literature, and plan, execute, analyze and report on an original and independent investigation of an appropriate topic. Written applications, including a detailed proposal, should be made through the Program Office for approval by the Vice Principal of New College or a designate by April 15 for the Summer Session; by July 15 for the Fall Term; or by November 15 for the Winter Term. Should the deadline fall on a weekend, applications will be accepted until the following Monday. Students will be notified of the acceptance or rejection of an application. If the project requires ethics approval, please be advised that you should find and consult with a supervisor about meeting this requirement at least a semester in advance of these deadlines. For more information and application forms, please see the Independent Studies website: <http://www.newcollege.utoronto.ca/academics/new-college-academic-programs/independent-studies/>

Enquiries: New College, Wetmore Hall room 133 (978-5404). Email: [nc.programs@utoronto.ca](mailto:nc.programs@utoronto.ca)

## **NEW299Y1 Research Opportunity Program**

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **NEW390Y1 New College Independent Studies [TBA]**

New College Independent Studies. Not eligible for CR/NCR option. Prerequisite: Minimum of 8.0 FCEs completed and permission of College

Distribution Requirement Status: TBA

Breadth Requirement: None

## **NEW391H1 New College Independent Studies [TBA]**

New College Independent Studies. Not eligible for CR/NCR option. Prerequisite: Minimum of 8.0 FCEs completed and permission of College

Distribution Requirement Status: TBA

Breadth Requirement: None

## **NEW398H0 Research Excursions [TBA]**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: None

Breadth Requirement: None

## **NEW399Y0 Research Excursions [TBA]**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: None

Breadth Requirement: None

## **NEW490Y1 New College Independent Studies [TBA]**

New College Independent Studies. Not eligible for CR/NCR option. Prerequisite: Minimum of 12.0 FCEs completed and permission of College

Distribution Requirement Status: None

Breadth Requirement: None

**NEW491H1 New College Independent Studies [TBA]**

New College Independent Studies. Not eligible for CR/NCR option.

Prerequisite: Minimum of 12.0 FCEs completed and permission of College

Distribution Requirement Status: None

Breadth Requirement: None

**Community Engaged Learning (CEL) Courses**

New College offers several community engaged (or service learning) courses. These provide students the opportunity to integrate academic knowledge and experiential learning through participation in activities and knowledge production in community or campus organizations.

Two forms of community engaged learning courses are offered: embedded and independent. In the former, a community service component is integrated in the course syllabus. This may be mandatory or optional. (Examples of such courses are NEW342H1 and NEW232Y1) In the *independent* community engaged learning courses (see below) upper level students, with various academic backgrounds, are placed for one or two terms with a community or campus-based organization. Through critical reflection on their experiences, students deepen and nuance their academic knowledge, learn more about social justice work and community engagement, explore social and ethical issues, build professional and work-place skills, and develop capacity for self-authorship.

Information about the CEL Program can be found at <http://www.newcollege.utoronto.ca/academics/new-college-academic-programs/community-engaged-learning/>

Enquiries: [nc.servicelearning@utoronto.ca](mailto:nc.servicelearning@utoronto.ca) or 416-978-8821

**NEW495Y1 Independent Community Engaged Learning [96P/24S]**

Students apply in the late summer for available placements with New College partner organizations. Students' learning is facilitated by academic and placement supervision, regular reflective writing, and collective reflection in a seminar that meets about 10 times over the year. A symposium in early April showcases students' learning. Not eligible for CR/NCR option.

Recommended

Preparation: NEW120Y1/NEW150Y1/NEW220H1/NEW221H1/NEW224Y1/NEW232Y1/NEW240Y1/NEW241Y1/NEW270H1/HIS230H1/HIS231H1/other NEW courses

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

**NEW496H1 Independent Community Engaged Learning [48P/12S]**

Note: Offered only in special circumstances. See description under NEW495Y1 above. Not eligible for CR/NCR option.

Recommended

Preparation: NEW120Y1/NEW150Y1/NEW220H1/NEW221H1/NEW224Y1/NEW232Y1/NEW240Y1/NEW241Y1/NEW270H1/HIS230H1/HIS231H1/other NEW courses

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

**NEW497Y1 Independent Community Engaged Research [96P/24S]**

An integrative-learning opportunity for students to develop research skills in relation to their area of study in collaboration with, and addressing needs of, community partners in the social mission sector. Along with individual placements, students review interdisciplinary research methodology and engage in peer- and reflective-learning in a seminar. Not eligible for CR/NCR option.

Prerequisite: Completion of a minimum of 9.0 FCE and successful completion of the application process.

Recommended

Preparation: NEW120Y1/NEW150Y1/NEW220H1/NEW221H1/NEW224Y1/NEW232Y1/NEW240Y1/NEW241Y1/NEW270H1/HIS230H1/HIS231H1/other NEW courses

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**NEW498H1 Independent Community Engaged Research [48P/12S]**

An integrative-learning opportunity for students to develop research skills in relation to their area of study in collaboration with, and addressing needs of, community partners in the social mission sector. Along with individual placements, students review interdisciplinary research methodology and engage in peer- and reflective-learning in a seminar. Not eligible for CR/NCR option.

Prerequisite: Completion of a minimum of 9.0 FCE and successful completion of the application process.

Recommended

Preparation: NEW120Y1/NEW150Y1/NEW220H1/NEW221H1/NEW224Y1/NEW232Y1/NEW240Y1/NEW241Y1/NEW270H1/HIS230H1/HIS231H1/other NEW courses

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## Faculty

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### Professors Emeriti

M.C. Archer, MA, Ph D, D Sc  
W.R. Bruce, MD, Ph D  
M. Kronl, Ph D  
A.V. Rao, M Sc, Ph D  
L.U. Thompson, M Sc, Ph D

### E.W. McHenry Professor and Chair

M.R. L'Abbe, Ph D

### Professors

G.H. Anderson, M Sc, Ph D  
C.E. Greenwood, M Sc, Ph D  
D.J.A. Jenkins, MA, DM, D Phil, D Sc  
D.L. O'Connor, Ph D, RD  
V. Tarasuk, Ph D  
V. Vuksan, M Sc, D Sc  
T.M. S. Wolever, MA, BM, BCh, M Sc, Ph D

### Associate Professors

R.P. Bazinet, Ph D  
A. El-Sohemy, Ph D  
A.J. Hanley, Ph D  
B. Magnuson, Ph D

### Assistant Professor

E.M. Comelli, Ph D

### Senior Lecturer

A.L. Fox, MHSc, Ph D, RD

### Lecturer

Katherine Slater MHSc, RD

### Assistant Professor, Teaching Stream

Debbie Gurfinkel, PhD

## Introduction

Nutritional Sciences represents an exciting and challenging area of study of a truly interdisciplinary nature. Understanding of the impact of nutrition on health and its role in disease is based upon a knowledge of the metabolic processes involved (nutrient requirements and utilization, food additive metabolism and safety), of the chemistry of foods (food preservation, food production) and of social and behavioural factors (determinants of food selection). Thus, in this program, the physical, biological and social sciences are integrated in consideration of the national and international goals of achieving optimal health through proper nutrition.

Most career opportunities in Nutritional Sciences require training beyond the undergraduate level. The Major Program provides excellent preparation for entry into postgraduate studies in nutrition research or for a professional faculty such as Medicine and Dentistry.

Please note that this Department does not offer an undergraduate dietetics program. Students interested in this qualification should contact Dietitians of Canada for information ([www.dietitians.ca](http://www.dietitians.ca)).

Students interested in applying to the MPH-Nutrition and Dietetics Program, through the Dalla Lana School of Public Health, are advised to contact the program director during their second year of undergraduate studies.

Undergraduate Coordinators:

Professor R. Bazinet, FitzGerald Building  
Dr Debbie Gurfinkel, FitzGerald Building

Enquiries:

FitzGerald Building, 150 College Street, Room 316 (416-978-2747)

## Nutritional Science Programs

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### Nutritional Sciences Major (Science program)

Eligibility for the nutritional sciences major program is based on a student's marks in the required first-year courses:

BIO120H1, BIO130H1, (CHM135, CHM136)/(CHM138H1, CHM139H1)/CHM151Y1 with an average of at least 70% on these 2.0 full-course equivalents (FCEs) and a final mark of at least 60% in each course.

Note: Students must apply to this program on the Arts & Science Faculty Registrar's Office website (See <http://www.artsci.utoronto.ca/current/course/> for application procedures).

First Year:

(BIO120H1, BIO130H1);(CHM135, CHM136)/(CHM138H1, CHM139H1)/CHM151Y1

Second Year:

NFS284H1; BCH210H1; (STA220H1, STA221H1)/(PSY201H1,PSY202H1)

Third Year:

(PSL300H1, PSL301H1)/PSL302Y1; CSB349H1/PSL350H1/BCH311H1; any two of: NFS382H1, NFS386H1, NFS301H1; NFS302H1; NFS394Y1

Fourth Year:

Any three of: NFS400H1, NFS484H1, NFS485H1, NFS486H1, NFS487H1, NFS488H1, NFS489H1, NFS490H1, NFS494Y1

## Nutritional Science Courses

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### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### NFS284H1 Basic Human Nutrition [36L]

An introductory course to provide the fundamentals of human nutrition to enable students to understand and think critically about the complex interrelationships between food, nutrition, health and the environment.

Exclusion: HLTB11H3

Recommended Preparation: (BIO120H1, BIO130H1)/BIO150Y1; (CHM138H1,CHM139H1)/(CHM135H1,CHM136H1)/CHM151Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **NFS301H1 Nutrition Literacy: Sorting Science from Snake Oil [36L]**

This course will help students learn how to recognize the strengths and limitations of various nutrition research methods, find reliable nutrition information on the Internet and develop systematic thinking skills to critically evaluate the quality of nutrition information in both the scientific literature and popular media.

Prerequisite: NFS284H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **NFS302H1 Nutrition, Athletics, Performance and Behaviour [36L]**

This course will give an overview of the emerging and advancing role of chronic diet and supplements in athletics, performance and behavior.

Prerequisite: NFS284H1

Exclusion: KPE328H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **NFS382H1 Vitamin and Mineral Metabolism Throughout the Life Cycle [36L]**

Micronutrients are essential for health throughout the life cycle. This course examines the role of micronutrients during development and ageing with some emphasis on disease prevention and pathogenesis. Students develop critical appraisal skills, an understanding of the principles of study design and learn to write in a scientific style.

Prerequisite: NFS284H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **NFS386H1 Food Chemistry [36L]**

Structure, composition and chemical and biochemical reactions in foods during postharvest/postmortem, processing, storage and utilisation. Implications for organoleptic properties, nutritional value, toxicity and human health.

Prerequisite: CHM138H1/CHM139H1/CHM135H1/CHM136H1

Recommended Preparation: NFS284H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **NFS394Y1 Research Course in Nutritional Science [144P]**

Research experience under the supervision of a Departmental staff member. The course entails designing and carrying out a small research project and the preparation and presentation of both a research proposal and a final report. Note that the research project NFS394Y1 requires the prior consent of a staff member who will supervise the project and departmental approval before enrolment. The student is responsible for locating a supervisor. Not eligible for CR/NCR option.

Prerequisite: NFS284H1, Permission of Department and Project Supervisor

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **NFS400H1 Functional Foods and Nutraceuticals in Human Nutrition [36L]**

This course will demonstrate the rationale, including health benefits, development and marketing of functional foods and nutraceuticals.

Prerequisite: BCH210H1, NFS284H1, (PSL300H1, PSL301H1)/PSL302Y1

Recommended Preparation: CSB349H1/PSL350H1/BCH311H1, NFS386H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **NFS484H1 Advanced Nutrition [24L/12T]**

Physiological and biochemical features of nutrient needs. The roles of nutrients in the development and adaptability of the whole body, organs and cells. Interpretation of current research data.

Prerequisite: BCH210H1, CSB349H1/PSL350H1/BCH311H1, NFS284H1, (PSL300H1, PSL301H1)/PSL302Y1, (STA220H1, STA221H1/JBS229H1) or permission of instructor

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **NFS485H1 Diet, Microbiome & Health (formerly Nutritional Microbiology) [36L]**

Provides an integrated approach to how prokaryotes modulate nutrient availability and how they interact with the host to impact human health from a molecular perspective.

Prerequisite: BCH210H1, CSB349H1/PSL350H1/BCH311H1/MGY311Y1, NFS284H1, (PSL300H1, PSL301H1)/PSL302Y1 or permission of the instructor

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **NFS486H1 Obesity: Metabolic and Clinical Aspects [36L]**

Obesity and its co-morbidities illustrated with pathophysiological and biochemical principles and clinical case studies.

Prerequisite: BCH210H1, NFS284H1, (PSL300H1, PSL301H1)/PSL302Y1

Recommended

Preparation: CSB349H1/PSL350H1/BCH311H1, (STA220H1, STA221H1)

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **NFS487H1 Nutrigenomics and Personalized Nutrition [36L]**

The impact of the human genome on nutrition research. Experimental approaches to investigating gene-diet interactions. Understanding how genetic variability affects nutrient response, and how dietary factors regulate gene expression. Application of the various 'omics' technologies to nutrition research as well as exploring the social, legal and ethical issues associated with direct-to-consumer marketing of genetic tests for personalized nutrition.

Prerequisite: NFS284H1, CSB349H1/PSL350H1/BCH311H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **NFS488H1 Nutritional Toxicology [36L]**

Occurrence, mechanism of action, safety and health implications of chemicals naturally present in or added to foods. Interactions of nutrients and toxicants and the effects on their metabolism and utilization. Food safety evaluation and regulatory control.

Prerequisite: BCH210H1, NFS284H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **NFS489H1 Nutritional Neurosciences [36L]**

This course provides an integrated approach to how brain function regulates and in turn is regulated by nutrition from a biochemical perspective.

Prerequisite: BCH210H1, BCH311H1/CSB349H1/PSL350H1, NFS284H1, PSL302Y1/(PSL300H1, PSL301H1)

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

# Nutritional Science

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## **NFS490H1 International and Community Nutrition [36L]**

This course focuses on current issues in international and community nutrition including global and domestic food security, micronutrient deficiencies and other forms of undernutrition, maternal and infant/child nutrition, dietary guidance, and food and nutrition policy. The course will consider the environmental, sociopolitical, cultural and biosocial contexts of nutrition.

Prerequisite: NFS284H1

Recommended Preparation: GGR107Y1/POL103Y1/SOC101Y1

Distribution Requirement Status: Science

Breadth Requirement: Society and its Institutions (3)

## **NFS494Y1 Research Projects in Nutritional Sciences [144P]**

Research experience under the supervision of a Departmental staff member. The course entails designing and carrying out a small research project and the preparation and presentation of both a research proposal and a final report. Note that the research project NFS494Y1 requires the prior consent of a staff member who will supervise the project and departmental approval before enrolment. The student is responsible for locating a supervisor. Not eligible for CR/NCR option.

Prerequisite: NFS284, Permission of Department and Project Supervisor

Distribution Requirement Status: Science

Breadth Requirement: None

## Faculty

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### Full Professor

Judith Teichman, MA, PhD, FRSC

### Associate Professors

Ron Levi, BCL, LLB, LLM, SJD (George Ignatieff Chair of Peace and Conflict Studies)

Wendy Wong, BA, MA, PhD

Nancy Bertoldi, MEd, MA, PhD

### Assistant Professor

Vsevolod Gunitskiy, BA, MA, M Phil, PhD

## Introduction

The Trudeau Centre for Peace, Conflict and Justice administers the program in Peace, Conflict and Justice, in the Munk School of Global Affairs.

The Peace, Conflict and Justice program provides undergraduates with an interdisciplinary education covering three central pillars: the meanings and causes of conflict, peace, and justice; the lived experiences of living in the context of conflict and struggles for peace and justice; and approaches to resolving conflict and producing peace and/or justice. The topics of study are wide-ranging, including the study of peacemaking and peace-building, interstate war and intrastate conflicts, insurgencies, revolutions and rebellions, ethnic strife, global justice, and negotiation theory. In so doing, we address some of the world's most urgent humanitarian problems, and train students to deeply analyze these issues across several levels of analysis, from the local through the national and the global. Students interested in this program are strongly encouraged to consider pursuing a double major in related fields, especially International Relations. Other related fields include: Political Science, Sociology, Anthropology, Geography, History, Diaspora and Transnational Studies, Nutritional Sciences, and Psychology.

## Contact information

Program Administrator

Munk School of Global Affairs  
364S, 1 Devonshire Place (At Trinity College)  
Toronto, Ontario, M5S 3K7 Canada

pcj.program@utoronto.ca

416-946-0326

<http://munkschool.utoronto.ca/trudeaucentre/>

## Peace, Conflict and Justice Programs

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### Peace, Conflict, and Justice Specialist (Arts program)

This is a limited enrolment program that can only accommodate a limited number of students. Admission is determined by a range of criteria, including at the initial stage a student's academic background, a statement of interest in the program, and as a later stage of the process, a personal interview on invitation of the Program Director. In some cases,

reference letters may be requested by the Program Director. In the past, enrolment in Peace, Conflict and Justice has proven to be extremely competitive across all these dimensions, and an applicant's success in any one of these dimensions does not necessarily guarantee admission to the program in any given year.

(12 full courses or their equivalent, including at least one 400-series course)

1. HIS103Y1/ECO100Y1/ECO105Y1; (PSY100H1 + PSY220H1)/SOC101Y1/(SOC102H1 + SOC103H1); POL208Y1. Except for POL208Y1, substitutions may be permitted for other introductory courses in relevant disciplines, based on a student's rationale and on approval of the Program Director.

2. PCJ260Y1; PCJ360H1+PCJ361H1/PCJ361Y1; PCJ460H1; PCJ461H1

3. Three FCEs from one of Groups A, B, C, D, E or F (below), or substitutions with a rationale that must be approved by the Program Director. Students may substitute from different disciplines or with different courses from within these disciplines. At least one FCE must be at the 300+-level.

4. Three complementary FCEs with either a disciplinary, regional, or thematic focus relevant to Peace, Conflict and Justice (on approval of the Director, based on the needs of students' interdisciplinary programs of study). At least two FCEs must be at the 300+-level. Upt to 1.0 FCEs of MUN courses may be used to fulfill this requirement, subject to approval by the Director.

#### *Disciplinary focus:*

3 FCEs from one of ANT, ECO, GGR and Environmental Studies (combined), HIS, HPS, PHL, POL, PSY, RLG, SLA, SOC, or from other units with a rationale approved by the Program Director.

(Note: The disciplinary focus in this cluster must be different from the discipline chosen in requirement 3. For instance, HIS is excluded for students who have taken 3 HIS FCEs to meet requirement 3; POL is excluded for students who have taken 3 POL FCEs, etc.)

#### *Regional Studies focus:*

3 FCEs on, for example, Canada, Southern Africa, the Middle East, Latin America, or the Slavic countries.

#### *Thematic focus:*

3 FCEs on a thematic topic proposed by the student and approved by the Program Director. Examples include negotiation and conflict resolution, diplomatic history, gender and conflict, morality of war, quantitative analysis, group-identity conflict, economic development and conflict, literature, culture, and everyday life of conflict, or environmental change and conflict.

## Peace, Conflict, and Justice Groups

Note: Substitutions for any of the below (Groups A through F) are allowable, if accompanied by a rationale regarding a student's specific program of study that must be approved by the Program Director. This is not a strict list, and students may in their program rationale substitute courses from different disciplines or with different courses from within these disciplines below. Please note that not all courses may be offered in a given year, and students are responsible for checking and meeting co- and prerequisites for all courses.

# Peace, Conflict and Justice

## Group A

HIS103Y1, HIS106Y1, HIS202H1, HIS241H1, HIS242H1, HIS243H1, HIS244H1, HIS250Y1, HIS251Y1, HIS271Y1, HIS296Y1, HIS303Y1, HIS311Y1, HIS319H1, HIS325H1, HIS329H1, HIS334Y1, HIS338Y1, HIS343Y1, HIS344Y1, HIS347H1, HIS355Y1, HIS356H1, HIS359H1, HIS364H1, HIS370H1, HIS376H1, HIS377H1, HIS386Y1, HIS390Y1, HIS401Y1, HIS405Y1, HIS407H1, HIS408Y1, HIS412Y1, HIS414H1, HIS415H1, HIS421Y1, HIS424Y1, HIS436Y1, HIS451H1, HIS453H1, HIS458Y1, HIS461H1, HIS473H1, HIS475H1, HIS480H1, HIS488H1, HIS491Y1, HIS492Y1; JHP435Y1, JHP440Y1; NMC278H1, NMC474H1; TRN421Y1

## Group B

JHP440Y1, JMC301Y1; NEW250Y1; NMC476H1, NMC477H1; POL108Y1, POL201Y1, POL242Y1, POL301Y1, POL304H1, POL305Y1, POL312Y1, POL313Y1, POL321H1, POL323H1, POL324Y1, POL326Y1, POL330H1, POL340Y1, POL342H1, POL343Y1, POL345H1, POL354H1, POL358Y1, POL364H1, POL370Y, POL405Y1, POL412Y1, POL416Y1, POL417Y1, POL419Y1, POL422Y1, POL428H1, POL429Y1, POL432H1, POL442H1, POL447Y1, POL448H1, POL459Y1, POL463Y1, POL464H1, POL465H1, POL467H1, POL468H1, POL476H1, POL479H1, POL480H1, POL486H1, POL487H1

## Group C

JLP374H1, JLP471H1; PSY100H1, PSY201H1, PSY210H1, PSY220H1, PSY270H1, PSY280H1, PSY300H1, PSY311H1, PSY312H1, PSY314H1, PSY320H1, PSY321H1, PSY322H1, PSY324H1, PSY326H1, PSY328H1, PSY331H1, PSY334H1, PSY370H1, PSY372H1, PSY420H1, PSY471H1

## Group D

ENV200H1, ENV234Y1, ENV235Y1, GGR107H1, GGR124Y1, GGR203H1, GGR220H1, GGR314H1, GGR331H1, GGR333H1, GGR338H1, GGR343H1, GGR368H1, GGR393H1, GGR398H0/GGR399Y0, GGR409H1, GGR415H1, GGR418H1, GGR435H1, GGR439H1, GGR452H1, GGR494H1; PHL273H1, PHL373H1

## Group E

ANT100Y1, ANT204H1, ANT357H1, ANT358H1, ANT363Y1, ANT364Y1, ANT395Y0/ANT396Y0, ANT425H1, ANT426H1, ANT427H1, ANT440H1, ANT448H1, ANT450H1, ANT452H1; RLG250H1, RLG333H1; SOC205Y1, SOC210Y1, SOC212Y1, SOC213Y1, SOC215Y1, SOC220Y1, SOC250Y1, SOC301Y1, SOC306Y1, SOC312Y1, SOC320Y1, SOC330Y1, SOC336H1, SOC344Y1, SOC355Y1, SOC356Y1, SOC360Y1, SOC365Y1, SOC367H1, SOC386Y1

## Group F

COG250Y1; JPP343Y1; PHL232H1, PHL235H1, PHL240H1, PHL244H1, PHL247H1, PHL271H1, PHL273H1, PHL275H1, PHL317H1, PHL340H1, PHL341H1, PHL351H1, PHL357H1, PHL365H1, PHL370H1, PHL373H1, PHL375H1, PHL379H1, PHL380H1, PHL394H1

## Peace, Conflict, and Justice Major (Arts program)

This is a limited enrolment program that can only accommodate a limited number of students. Admission is determined by a range of criteria, including at the initial stage a student's academic background, a statement of interest in the program, and as a later stage of the process, a personal interview on invitation of the Program Director. In some cases, reference letters may be requested by the Program Director. In the past, enrolment in Peace, Conflict and Justice has proven to be extremely competitive across all these dimensions, and an applicant's success in any one of these dimensions does not necessarily guarantee admission to the program in any given year.

(7.5 full courses or their equivalent)

1. HIS103Y1/ECO100Y1/ECO105Y1; (PSY100H1 + PSY220H1)/SOC101Y1/(SOC102H1 + SOC103H1); POL208Y1. Except for POL208Y1, substitutions will be considered for other introductory courses in relevant disciplines, based on a student's rationale and on approval of the Program Director.

2. PCJ260Y1; PCJ360H1+PCJ361H1/PCJ361Y1; PCJ460H1

3. 2.0 FCE of complementary courses, at least 1.0 FCE of which must be at the 300+ series level, from: MUN101H1/MUN102H1; GGR239H1; GGR439H1; HIS241H1; HIS242H1; HIS300H1; HIS343Y1; HIS344Y1; HIS377Y1; HIS401Y1; HIS412Y1; HIS445H1; HIS482Y1; HPS306H1; PHL278H1; PHL378H1; POL201Y1; POL304H1; POL310Y1; POL313Y1; POL321H1; POL323H1; POL326Y1; POL340Y1; POL346H1; POL417Y1; POL437Y1; POL454Y1; PSY220H1; PSY270H1; PSY322H1; RLG100Y1; SOC210Y1; SOC330Y1; SOC340Y1; or alternative courses on the approval of the Program Director, based on the needs of students' interdisciplinary programs of study.

## International Relations/Peace and Conflict Studies Specialist (Arts program)

**The joint international relations/peace, conflict and justice program has closed.**

**Students interested in International Relations or Peace, Conflict and Justice may wish to consider a combination of majors or specialists in the individual programs.**

**The program description that follows applies only to those students who were enrolled in this program prior to 1 April 2013.**

**Questions about this program should be directed to:**

- **International Relations, room 310N, Munk School of Global Affairs at Trinity College, 416-946-8950 or**
- **Peace, Conflict and Justice, room 364S, Munk School of Global Affairs at Trinity College, 416-946-3026**

(13 full courses or their equivalent, including at least two 400-series courses)

First Year:

ECO100Y1/ECO105Y1; HIS103Y1; PSY100H1 + PSY220H1/SOC101Y1

Second Year:

ECO230Y1; POL208Y1; PCS260Y1

Third Year:

HIS311Y1/HIS344Y1; PCS360Y1/PCS361Y1

Fourth Year:



PCS460H1 + PCS461H1 plus

One full course equivalent from the following: HIS458H1, HIS473Y1, HIS479H1, HIS482H1, HIS488H1, 497Y1, HIS498H1; TRN421Y1

Note: In addition, students must meet the Peace and Conflict Studies Program requirement of completing a cluster of 3 full course equivalents to be chosen in consultation with the Peace and Conflict Studies Program Director.

## Peace, Conflict and Justice Courses

### **PCJ260Y1 Introduction to Peace and Conflict Studies (formerly PCS260Y1, UNI110Y1, UNI260Y1) [72L]**

A review of the full range of theories explaining the nature and causes of conflict and possibilities for its resolution; provides students with a set of theoretical tools for effective analysis of interpersonal, civil, and international conflict.

Prerequisite: Only for current PCJ program students in second year and higher/permission of the Program Director

Exclusion: PCS260Y1, UNI110Y1, UNI260Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **PCJ360H1 Topics in Peace, Conflict, and Justice [24L]**

An in-depth exploration of selected issues in the field of Peace, Conflict, and Justice. Topics may include: negotiation theory, ethnic and inter-group identity conflict, feminist perspectives on peace, war, and justice; mathematical modeling of arms races, war, and peacemaking; decision-making theory and conflict; environmental change and conflict; global justice institutions; and traditional perspectives on statecraft.

Prerequisite: PCJ260Y1 or permission of the Program Director.

Exclusion: PCS360Y1, UNI360Y1

Recommended Preparation: POL208Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **PCJ361H1 Special Topics in Peace and Conflict Studies (formerly PCS361H1, UNI361H1) [24S]**

An exploration of selected issues in the field of Peace, Conflict and Justice involving an overseas and/or practicum component.

Exclusion: PCS361H1, UNI361Y1

Recommended Preparation: POL208Y1

Distribution Requirement Status: Social Science

Breadth Requirement: None

### **PCJ361Y1 Special Topics in Peace and Conflict Studies (formerly PCS361Y1, UNI361Y1) [48S]**

An exploration of selected issues in the field of Peace, Conflict and Justice involving an overseas and/or practicum component.

Prerequisite: PCJ260Y1 or permission from the Program Director

Exclusion: PCS361H1, PCS361Y1, UNI361Y1

Recommended Preparation: POL208Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3) + None

### **PCJ362H1 Service Learning [TBA]**

In cooperation with the Center for Community Partnerships, students will be given a service learning placement that aligns with their academic interests. These placements will happen in community organizations and other organizations based in the GTA. Class will meet once a week and students will serve up to 10 hours total per week in their placements. The course will emphasize how groups work to achieve community goals, how grassroots politics works, the power of social capital, and how these

topics link to questions of conflict resolution, brokering peace, and achieving justice.

Prerequisite: PCJ260Y1, PCJ360H1

Exclusion: PCJ361H1, PCJ363H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **PCJ363H1 Study Abroad Module [TBA]**

Using Blackboard, students will meet once a week online in a virtual class that will assign readings, provide writing assignments, and culminate in a group assignment that situates the training from the PCJ program within the new materials that each student is experiencing in their new university. Each student will have to reflect on how their thinking has changed, what they will do with their new perspectives when they come back to U of T, and how this affects their thinking about peace, conflict, and justice.

Prerequisite: PCJ260Y1, PCJ360H1

Exclusion: PCJ361H1, PCJ362H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

Available Online: consult Faculty or Graduate Unit for details

### **PCJ444H1 Special Topics in Peace and Conflict Studies (formerly PCS444H1) [TBA]**

Topics vary annually. The objective of the course is to explore emerging issues in Peace and Conflict Studies. The focus of the course will be on a specific topic, rather than a broad survey of the field.

Prerequisite: PCJ260Y1, PCJ360Y1 or permission of the instructor

Exclusion: PCS444H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **PCJ460H1 Contemporary Issues in Peace and Conflict (formerly PCS460H1, UNI460H1) [24S]**

A colloquium (fall term) on selected issues in the field of Peace and Conflict Studies. Topics to be considered include planetary, ecospherical, state, societal, and human security.

Prerequisite: PCJ360Y1, or PCJ360H1 and PCJ362H1, or permission of the Program Director; enrolment restricted to students enrolled in Peace, Conflict and Justice Specialist program

Exclusion: PCS460H1, PCS460Y1, UNI460H1

Distribution Requirement Status: Social Science

Breadth Requirement: None

### **PCJ461H1 Contemporary Issues in Peace and Conflict (formerly PCS461H1, UNI460Y1) [48S]**

A research seminar (spring term) on selected issues in the field of Peace and Conflict Studies. Topics to be considered include planetary, ecospherical, state, societal, and human security.

Prerequisite: PCJ360Y1 and PCJ460H1; enrolment restricted to students enrolled in the Peace, Conflict and Justice Specialist program

Exclusion: PCS460Y1, PCS461H1

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **PCJ499H1 Peace and Conflict Studies Independent Study Course (formerly PCS499H1) [TBA]**

Independent study in the area of Peace and Conflict Studies. It is designed to provide students with the opportunity to explore topics not covered in the curriculum, or to develop a more detailed focus on topics covered. Approval of the Program Director is required. The student must obtain the written agreement of the instructor who will supervise the independent study. Not eligible for CR/NCR option.

Prerequisite: PCJ260Y1

Exclusion: PCS499H1

Recommended Preparation: For students enrolled in the Peace, Conflict and Justice Major or Specialist program.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **PCJ499Y1 Peace and Conflict Studies Independent Study Course [TBA]**

Independent study in the area of Peace and Conflict Studies. It is designed to provide students with the opportunity to explore topics not covered in the curriculum, or to develop a more detailed focus on topics covered. Approval of the Program Director is required. The student must obtain the written agreement of the instructor who will supervise the independent study. Not eligible for CR/NCR option.

Prerequisite: PCJ260Y1

Exclusion: PCS499H1

Recommended Preparation: For students enrolled in the Peace, Conflict and Justice Major or Specialist program.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## Introduction

### Collaborative Program of the Faculty of Arts & Science and the Leslie Dan Faculty of Pharmacy

Pharmaceutical Chemistry combines knowledge of the biological, medical, and physical sciences in the study of drug therapy. The emphasis is on the chemical nature of the reactions and interactions involved in drug therapy. The students will receive a solid background in the facets of chemistry the most relevant to drugs: physical, organic, and analytical chemistry. They will also learn the fundamental aspects of the synthesis, manufacture, use, and mode of action of drugs.

Undergraduate Office –General Enquiries: Linda Chung, (416-978-2162), l.chung@utoronto.ca

Program Director: Dr. Rob Macgregor, (416-978-7332) rob.macgregor@utoronto.ca

## Pharmaceutical Chemistry Programs

Pharmaceutical Chemistry combines knowledge of the biological, medical and physical sciences in the study of the scientific aspect of drug therapy. The emphasis is on the chemical nature of the reactions and interactions involved in drug therapy.

This program is offered jointly by the Leslie Dan Faculty of Pharmacy and the Faculty of Arts and Science. Students in the Pharmaceutical Chemistry Specialist program will receive a solid background in physical, organic and analytical chemistry, and will also learn the fundamental aspects of the synthesis, manufacture, use and mode of action of drugs.

The fourth-year project course gives students direct involvement in research.

We also offer an internship in which qualified students may spend 12 or 16 months working at a pharmaceutical company or research lab. This is a project-based, paid employment placement that takes place between the third and fourth years of undergraduate study. It provides the student with an opportunity to apply the knowledge acquired in the first three years of university to private- or public-sector settings. Placements are available in pharmaceutical and biotechnology companies, university research labs, university-affiliated organizations, or government research agencies.

### Pharmaceutical Chemistry Specialist (Science program)

This is a limited enrolment program. Eligibility is based on a student's mark(s) in the required course(s). The precise mark thresholds outlined below are an estimate of what will be required in the coming program admission cycle.

While it is difficult to predict what will be competitive course marks and average in a given year, based on previous years, the estimate is: course marks = mid 70s ; average = high 70s.

Achieving these estimated marks does not guarantee admission to the program in any given year.

Visit the Pharmaceutical Chemistry Program web site for updated information about requirements, course offerings, and events: <http://pharmacy.utoronto.ca/pharmchem>.

(13.0 full courses or their equivalent, including at least one 400-series course)

NOTE: Some of the courses listed below may have prerequisites.

#### First Year:

BIO120H1, BIO130H1; (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1; (PHY131H1, PHY132H1)/(PHY151H1, PHY152H1)

#### Second Year:

BCH210H1; BIO230H1; CHM220H1/CHM222H1, CHM223H1; CHM247H1/CHM249H1; PHC230H1

#### Third Year:

CHM217H1; PCL201H1; PHC300H1; PHC301H1; PHC320H1; PHC330H1; PHC340Y1

#### Fourth Year:

1. PHC489Y1  
2. Two full course equivalents from: CHM317H1; CHM342H1; CHM347H1; CHM379H1; CHM410H1; CHM414H1; CHM417H1; PCL362H1; PHC331H1; PHC401H1; PHC420H1, PHC421H1, PHC430H1; PHC431H1; PHC432H1; PHC435H1; PHC460H1; PHC462H1; PHC470H1; PSL300H1; PSL301H1

Note that not all of the 400-series PHC courses are offered every academic year.

We also offer an optional 12- or 16-month internship program to qualified students. This is a project-based, paid employment placement that takes place between the third and fourth years of undergraduate study. It provides the student with an opportunity to apply the knowledge acquired in the first three years of university to private- or public-sector settings. Placements are available in pharmaceutical and biotechnology companies, university research labs, university-affiliated organizations, or government research agencies.

## Pharmaceutical Chemistry Courses

### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

#### PHC230H1 Pharmaceutics 1 [36L/12T]

An introduction to the key concepts in the design, manufacture, and use of efficacious dosage forms. The course covers the characteristics of different delivery routes.

Prerequisite: (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1; CHM220H1/CHM222H1

Exclusion: PHM141H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

#### PHC300H1 Molecular Pharmacology 1 [24L/12T]

Structural and mechanistic determinants of drug action at the molecular level. Topics include the physicochemical properties of drugs per se as they relate to therapeutic intervention and the biophysical and biochemical properties of enzymes and nucleic acids that underlie and are affected by their interactions with drugs.

Prerequisite: (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1; CHM220H1/CHM222H1

Exclusion: PCL302H1

Distribution Requirement Status: Science

# Pharmaceutical Chemistry

Breadth Requirement: Living Things and Their Environment (4)

## **PHC301H1 Molecular Pharmacology 2 [36L/12T]**

Structural and mechanistic determinants of drug action via macromolecules that effect cellular signalling. Neurohumoral receptors and other signalling proteins are grouped according to their structure and mechanism of action. Native properties and their modulation by drugs are discussed in the context of basic principles of molecular pharmacology.

Prerequisite: (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1; CHM220H1/CHM222H1; BCH210H1

Exclusion: PCL302H1, PHM140H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PHC320H1 Medicinal Chemistry [36L]**

Modern discovery and synthesis of antibiotics, antineoplastics, antiviral and other therapeutic agents.

Prerequisite: BCH210H1, CHM247H1/CHM249H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PHC330H1 Pharmaceutics 2 [36L/12T]**

This course presents a detailed examination of the material properties of pharmaceuticals and the role of cellular processes in delivery of a drug to its site of action.

Prerequisite: (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1; CHM220H1/CHM222H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PHC331H1 Establishing the Bioequivalence of Pharmaceutical Products [48L]**

Introduction to human clinical trial design for the demonstration of pharmaceutical bioequivalence of drug products. Students will learn the principles underlying the regulations and methods employed in bioequivalence studies.

Prerequisite: BCH210H1, CHM247H1/CHM249H1, (MAT135H1, MAT136H1)/MAT137Y1, PHC230H1, PHC330H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PHC340Y1 Pharmaceutical Chemistry Laboratory [24L/96P]**

The scientific basis and practical techniques relevant to modern pharmaceutical development. This course is restricted to Pharmaceutical Chemistry Specialist program students.

Prerequisite: CHM247H1/CHM249H1; (CHM220H1, CHM222H1)/CHM223H1; BCH210H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PHC401H1 Drug Transport across Biological Membranes [24L]**

The goal of this course is to provide students with knowledge of the molecular processes involved in drug transport across biological cell membranes with emphasis on their physiological and clinical significance. This course is restricted to Pharmaceutical Chemistry Specialist program students.

Prerequisite: PHC301H1, and enrolled as a Year 4 student in the Pharmaceutical Chemistry specialist program.

Corequisite: PHC300H1

Exclusion: JFK1122H

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PHC420H1 Application of Medicinal Chemistry to Pharmacology [24L]**

This course shows students the links between basic science and the drugs used therapeutically to treat clinical problems. This course is restricted to Pharmaceutical Chemistry specialist program students.

Prerequisite: PHC301H1, PHC320H1, and enrolled as a Year 4 student in the Pharmaceutical Chemistry specialist program.

Exclusion: PHM240H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PHC421H1 Biomolecular Interactions and Thermodynamics I [36L]**

This course will consider many of the topics presented in the first half in much greater detail including a rigorous examination of the interpretation of experimental data. This course is intended for students whose research or interest is in the thermodynamics of biological molecules. This course is restricted to Pharmaceutical Chemistry specialist program students.

Prerequisite: Enrolled as a Year 4 student in the Pharmaceutical Chemistry specialist program.

Exclusion: PHM1130H

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PHC430H1 Recent Developments in Dosage Form Design [24L]**

Introduction to controlled drug delivery: Mechanisms and kinetics of controlled drug release. Fundamental theories and mathematical tools for the design of modern dosage forms. Development and applications of controlled drug delivery dosage forms. This course is restricted to Pharmaceutical Chemistry specialist program students.

Prerequisite: Enrolled as a Year 4 student in the Pharmaceutical Chemistry specialist program.

Exclusion: PHM324H1, PHM1109H

Recommended Preparation: PHC230H1, PHC330H1, PHC340Y1.

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PHC431H1 Selected Topics in Drug Development [24L]**

In-depth discussion of implementation of pharmaceutical sciences in drug development strategies. Students will apply fundamental principles of pharmaceutics and drug delivery to current problems in the pharmaceutical industry. This course is restricted to Pharmaceutical Chemistry specialist program students.

Prerequisite: Enrolled as a Year 4 student in the Pharmaceutical Chemistry specialist program.

Exclusion: JFK1120H

Recommended Preparation: PHC230H1, PHC330H1, PHC340Y1.

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PHC432H1 Nanomedicines in Oncology [24L]**

This course covers a range of topics that pertain to the development and application of nanomedicines in oncology. Students will gain an understanding of the biological barriers to drug delivery in oncology as well as the tremendous heterogeneity in cancer and the challenge this presents for treatment. The concepts of passive and active targeting of nanomedicines will be covered with critical assessment of the enhanced permeability and retention effect. A detailed overview of the most advanced nanotechnology-platforms for drug delivery (i.e., liposomes, block copolymer micelles and polymer-drug conjugates) will be provided with additional discussion of new emerging platforms. The integration of imaging in drug development and development of theranostics and therapeutic-diagnostic pairs will also be discussed. Special emphasis on critical evaluation of scientific literature and pre-clinical/clinical studies will

be made throughout the course.

Prerequisite: PHC230H1, PHC330H1 and enrolled as a Year 4 student in the Pharmaceutical Chemistry specialist program.

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PHC435H1 Pharmaceutical Data Acquisition & Analysis [26P]**

Application and development of devices for the purpose of collecting and analyzing experimental data in pharmaceutical development and manufacture.

Prerequisite: BCH210H1, CHM247H1/CHM249H1, (MAT135H1, MAT136H1)/MAT137Y1, PHC340Y1 and enrolled as a Year 4 student in the Pharmaceutical Chemistry specialist program.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHC460H1 Fundamentals of Drug Discovery [24L]**

Lectures by scientists from academia and industry, and student seminars based on journal articles dealing with strategies for discovering new drugs for therapy and diagnosis. This course is restricted to Pharmaceutical Chemistry specialist program students.

Prerequisite: BIO120H1, BIO130H1, PHC301H1 and enrolled as a Year 4 student in the Pharmaceutical Chemistry program.

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PHC462H1 Clinical Drug Development [24L]**

This course is designed to broaden student's understanding of the development and licensing of new drugs and how scientific principles, ethics, governmental regulations and commercial considerations are coordinated for designing clinical trails. The format involves lectures, group discussion and student presentations. This course is restricted to Pharmaceutical Chemistry specialist program students.

Prerequisite: PHC230H1, PHC301H1, PHC340Y1 and enrolled as a Year 4 student in the Pharmaceutical Chemistry specialist program.

Exclusion: JFK1120H

Distribution Requirement Status: Science

Breadth Requirement: Society and its Institutions (3)

## **PHC470H1 Global Pharmaceutical Policy [24L/2T]**

This course is designed for students who are interested in the critical analysis of global health policy and the interrelationship between global and domestic policy issues. The course will introduce students generally to the basic concepts and issues in global health with a particular focus on pharmaceutical policy. We will address key issues in health and discuss core institutional and transnational actors, how governments in different jurisdictions manage public health responsibilities, the tension between economic imperatives and health objectives, global obligations, and pressure from special interest groups. More narrowly, we will analyse a breadth of complex policies questions. Examples include: the research and development global divide, political issues influences on pharmaceutical policy, how global commitments, such as membership in the World Trade Organization, conflict with or correspond to domestic policy directions and national sovereignty. Guest speakers will lead some sessions. This course will consist of lectures, guest discussions, case studies and student-led presentations. This is restricted to students in the Pharmaceutical Chemistry specialist program.

Prerequisite: Enrolled as a Year 4 student in the Pharmaceutical Chemistry specialist program.

Exclusion: PHM320H1, PHM1124H

Distribution Requirement Status: None

Breadth Requirement: Society and its Institutions (3)

## **PHC489Y1 Pharmaceutical Chemistry Research [144P]**

This course will provide research experience under the supervision of a Departmental staff member. The goal is to deepen the student's understanding of the scientific basis and practical techniques relevant to modern pharmaceutical development. This course is restricted to Pharmaceutical Chemistry specialist program students. Not eligible for CR/NCR option.

Prerequisite: Permission from the Course Coordinator and enrolled as a Year 4 student in the Pharmaceutical Chemistry specialist program.

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## Faculty

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### Professors Emeriti

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T. Inaba, Ph D  
D. Kadar, Ph D  
H. Kalant, MD, Ph D  
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R.A. Ross, Ph D

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### Lecturers

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### Special Lecturer

K. Nylen, Ph D

## Introduction

Pharmacology and Toxicology are integrative biological sciences that examine the properties of chemical compounds and their interactions with living systems. They provide the scientific basis for the study of chemical actions in the health sciences, the use of drugs as therapeutic agents or as tools in scientific research, the development and control of pharmaceutical products, and the investigation and control of pollutants and poisons in natural and social environments. The Department of Pharmacology and Toxicology offers four Specialist and two Major undergraduate programs of study that are jointly sponsored by the Faculties of Arts and Science and Medicine. The Specialist programs

have the added benefit of providing students with opportunities to learn advanced laboratory techniques and to gain real-world experience through supervised independent research projects and participation in the Professional Experience Year Internship (see below). Students who intend to pursue graduate research and/or careers in pharmacology or toxicology are encouraged to enroll in a Specialist program because of the opportunities for additional experiential learning.

**Students wishing to enroll in any of our Type 3 programs will initially apply to a general departmental Specialist (ASSPE2675) or Major (ASMAJ2675) after completion of first year pre-requisite courses and during the spring of their second year of study (and completion of PCL201H1) students will select the focus for their future studies (i.e. Pharmacology and/or Biomedical Toxicology).** Students will follow the calendar year in which they initially enter one of our programs (ie for the majority of students that will be ASMAJ2675/ASSPE2675). For students interested in our Specialist programs after their first year, a program ranked as their first choice will be considered before a program for which they have provided a lower ranking. The top-ranked students who meet the program requirements will be sent an invitation to join the program. If a student is not selected, his or her application will be forwarded to the administrator of the program listed as the second choice. This process continues until an invitation is sent or all Specialist programs have been considered.

For further information about registration and courses, consult the A&S Registration Instructions and Timetable, and visit our website at: [www.pharmtox.utoronto.ca](http://www.pharmtox.utoronto.ca).

Undergraduate Office - General Inquiries:  
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Undergraduate Coordinator:  
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## Pharmacology and Toxicology Programs

The Professional Experience Year (PEY) internship program is an elective 12-16 month paid employment placement within pharmaceutical/biotechnology/chemical companies, university research laboratories, university-affiliated organizations, consulting companies or government research agencies. The PEY takes place between the 3rd and 4th years of undergraduate study and is open to Specialists in Pharmacology, Biomedical Toxicology and Environment and Toxicology who have a cGPA of at least 3.0. Students who participate in this program agree to return to their SPE program within the Department to complete their 4th year and degree program as enrolled prior. The PEY internship provides an excellent opportunity for real-world experience in drug development, project management, client relations, basic and clinical research, information management and regulatory affairs.

NOTE: Students cannot combine any MAJOR from this program with another MAJOR or SPECIALIST from this program for their degree.

### Pharmacology Specialist (Science program)

Pharmacology is an integrative medical science that builds upon the core foundational disciplines of the basic life sciences. The Pharmacology Specialist program aims to provide students with an understanding of the therapeutic properties and clinical uses of externally administered chemical substances in the whole body, as well as the mechanisms of their actions and interactions with molecular, cellular and tissue targets. This understanding prepares students for a variety of either research-based or non-research-based careers, including positions in the pharmaceutical and biotechnology industries, in government agencies, in research institutes and in universities. Students learn about both basic and clinical pharmacology through lectures, tutorials, laboratories and independent research projects. The senior research project course enables students to gain valuable research experience while working under the supervision of an individual faculty member in either a laboratory-based or a non-laboratory-based setting.

The Professional Experience Year (PEY) internship program is an elective 12-16 month paid employment placement within pharmaceutical/biotechnology/chemical companies, university research laboratories, university-affiliated organizations, consulting companies or government research agencies. The PEY takes place between the 3rd and 4th years of undergraduate study and is open to Specialists in Pharmacology who have a cGPA of at least 3.0. Students who participate in this program agree to return to their SPE program in the Department to complete their 4th year and their degree. The PEY internship provides an excellent opportunity for real-world experience in drug development, project management, client relations, basic and clinical research, information management and regulatory affairs.

Pharmacology (and its application in clinical therapeutics) plays a prominent role in society, and a comprehension of drug mechanisms and uses is fundamental to career success in the fields of medicine, dentistry, pharmacy and nursing. While some students take the Pharmacology Specialist program in preparation for these professional programs, students are advised to contact the respective Faculties directly for questions related to transfer credits.

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's marks in the 3.0 required first-year courses:

BIO120H1, BIO130H1, (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1, and 1.0 FCE from (MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1/(PHY131H1, PHY132H1)/(PHY151H1, PHY152H1) with an average of at least 70% on these 3.0 full-course equivalents (FCEs) and a final mark of at least 60% in each course.

While it is difficult to predict what will be competitive course marks and average in a given year, based on previous years, the estimate is: course marks = mid 80s; average = mid 80s.

Achieving these estimated marks does not guarantee admission to the program in any given year.

Note: Students must apply to this program on the Arts & Science Faculty Registrar's Office website (see the Arts & Science Program Enrolment web site for application procedures). **Students wishing to enroll in this program will initially apply to a general departmental Specialist (ASSPE2675) after their first year and during the spring of their second year of study (and completion of PCL201H1) students will select the focus for their future studies (i.e. Pharmacology and/or Biomedical Toxicology).** First and second year courses are the same

# Pharmacology and Toxicology

for ALL SPECIALIST programs within the Department (ASSPE2675/ASSPE2082/ASSPE2340/ASSPE2753).

Students will follow the calendar year in which they initially enter one of our programs (ie for the majority of students that will be ASMAJ2675/ASSPE2675).

Students wishing to enroll **after** their second year who have taken PCL201H1 will be considered on a case by case basis. Successful completion of required pre-requisite courses is required to further enroll in upper level program courses. Students may not transfer to the Major program from the Specialist after completion of PCL461H1, PCL472Y1 courses or PEY.

(14.5 full courses or their equivalent)

First Year: BIO120H1; BIO130H1; (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1; and 1 FCE from any combination of (MAT135H1, MAT136H1); PHY131H1/PHY151H1; PHY132H1/PHY152H1 (see NOTE 1)

Second Year: BCH210H1; BIO230H1/(BIO240H1, 241H1); BIO260H1/HMB265H1; CHM247H1/CHM249H1; PCL201H1; (PSL300H1, PSL301H1)/PSL302Y1 (NOTE: PSL201Y1 is not acceptable).

Third Year: BCH311H1/CSB349H1; PCL302H1; PCL366H1; PCL376H1

Third or Fourth Year: PCL469H1 and 3.5 full-course equivalents with at least 1.5 full credit equivalents from PCL courses: PCL345H1/PCL389H1/PCL461H1/PCL475Y1/PCL477H1/PCL484H1/PC L486H1/PCL491H1/ANA300Y1/BCH340H1/BCH350H1/BCH370H1/CSB 328H1 (See NOTE 2)/PSL372H1.

Fourth Year: PCL402H1; PCL470H1/PCL470Y1; PCL472Y1 (see NOTE 3)

## Notes

1. Any PHY/MAT courses should be completed during the first year and included for program enrollment.
2. Some of the choices listed above are only available to students who are enrolled in a POST sponsored by the department or unit offering the course, and/or who have completed specified prerequisites
3. Enrollment in the Research Project Course (PCL472Y1) is limited and requires permission from the Department of Pharmacology and Toxicology. Students must receive prior consent of an approved supervisor according to Departmental guidelines before the Department will register them in the course. It is the student's responsibility to make all necessary preparations before the session starts (see course description).

## Pharmacology Major (Science Program)

Pharmacology is an integrative medical science that builds upon the core foundational disciplines of the basic life sciences. This program is intended for students who want to gain knowledge in Pharmacology in combination with a separate and complementary area of study and is designed for students interested in broad, multidisciplinary training. The Pharmacology Major program is designed to provide students with a broad understanding of the therapeutic properties and clinical uses of externally administered chemical substances in the whole body, as well as the mechanisms of their actions and interactions with molecular, cellular and tissue targets. Students learn about both basic and clinical pharmacology through lectures, tutorials and small group sessions.

This understanding prepares students for a variety of either research-based or non-research-based careers, including positions in the pharmaceutical and biotechnology industries, in government agencies, in research institutes and in universities. Pharmacology (and its application in clinical therapeutics) plays a prominent role in society, and a comprehension of drug mechanisms and uses is fundamental to career success in the fields of medicine, dentistry, pharmacy and nursing. While some students take the Pharmacology Major program in preparation for these professional programs, students are advised to contact the respective Faculties directly for questions related to transfer credits.

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's marks in the 2.0 required first-year courses:

BIO120H1, BIO130H1, (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1, with an average of at least 70% on these 2.0 full-course equivalents (FCEs) and a final mark of at least 60% in each course.

While it is difficult to predict what will be competitive course marks and average in a given year, based on previous years, the estimate is: course marks = mid 80s; average = mid 80s.

Achieving these estimated marks does not guarantee admission to the program in any given year.

Note: Students must apply to this program on the Arts & Science Faculty Registrar's Office website (see the Arts & Science Program Enrolment web site for application procedures). **Students wishing to enroll in this program will initially apply to a general departmental Major (ASMAJ2675) after their first year and during the spring of their second year of study (and completion of PCL201H1) students will select the focus for their future studies (i.e. Pharmacology and/or Biomedical Toxicology). First and second year courses are the same for ALL MAJOR programs within the Department (ASMAJ2675/ASMAJ2082/ASMAJ2753).** Students cannot combine a Pharmacology Major program with a Biomedical Toxicology Major or Specialist program for their degree.

Students will follow the calendar year in which they initially enter one of our programs (ie for the majority of students that will be ASMAJ2675/ASSPE2675).

Students wishing to enroll **after** their second year who have taken PCL201H1 will be considered on a case by case basis. Successful completion of required pre-requisite courses is required to further enroll in upper level program courses.

(8 full courses or their equivalent)

First Year: BIO120H1; BIO130H1; (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1

Second Year: BCH210H1; BIO230H1/(BIO240H1,241H1); PCL201H1; CHM247H1/CHM249H1; (PSL300H1, PSL301H1)/PSL302Y1 (NOTE: PSL201Y1 is not acceptable).

Third Year: PCL302H1; BCH311H1/CSB349H1 (see NOTE 1)

Third or Fourth Year: PCL469H1 and 1.0 full course equivalent from: PCL345H1/PCL389H1/PCL402H1/PCL475Y1/PCL477H1/PCL484H1/PC L486H1/BCH370H1

Fourth Year: PCL470H1/PCL470Y1

## NOTES

1. CSB349H1 requires BIO260H1/HMB265H1 as a prerequisite.
2. Students are not allowed to enroll concurrently in the Major Program in Pharmacology and the Major Program in Toxicology.



3. Students are not allowed to enroll concurrently in the Major Program in Pharmacology and a Specialist Program in Toxicology.
4. Students are not permitted to take PCL472Y1 or PCL474Y1.

## Biomedical Toxicology Specialist (Science program)

Biomedical toxicology has emerged as an important science addressing drug safety and the adverse consequences of chemical exposure. The Biomedical Toxicology Specialist program examines the harmful effects of chemicals on the health and behaviour of individuals and society. The safety/toxicity of a wide array of chemicals is examined including pharmaceutical preparations, herbal products, natural toxins and environmental contaminants, with a focus on their effects on human health. This program emphasizes the application of toxicological knowledge and risk assessment and prepares students for a variety of job opportunities following its completion as well as for further study in graduate research or professional programs such as Medicine, Dentistry, and Pharmacy. (Note: Students interested in professional programs should contact the respective faculties to inquire about specific transfer credits.) Many graduates of the Biomedical Toxicology Specialist program pursue careers in scientific research, forensic science, nutrition and food sciences, governmental agencies, consulting agencies, and industrial settings including the pharmaceutical and chemical industries. Students learn about basic and clinical toxicology and related areas through lectures, tutorials, laboratories, and independent research projects. The senior research project course enables students to gain valuable research experience while working under the supervision of an individual faculty member in either a laboratory-based or a non-laboratory-based setting.

The Professional Experience Year (PEY) internship program is an elective 12-16 month paid employment placement within pharmaceutical/biotechnology/chemical companies, university research laboratories, university-affiliated organizations, consulting companies or government research agencies. The PEY takes place between the 3rd and 4th years of undergraduate study and is open to Specialists in Biomedical Toxicology who have a cGPA of at least 3.0. Students who participate in this program agree to return to their SPE program in the Department to complete their 4th year and their degree. The PEY internship provides an excellent opportunity for real-world experience in drug development, project management, client relations, basic and clinical research, information management and regulatory affairs.

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's marks in the 3.0 required first-year courses:

BIO120H1, BIO130H1, (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1, and 1.0 FCE from (MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1/(PHY131H1, PHY132H1)/(PHY151H1, PHY152H1) with an average of at least 70% on these 3.0 full-course equivalents (FCEs) and a final mark of at least 60% in each course.

While it is difficult to predict what will be competitive course marks and average in a given year, based on previous years, the estimate is: course marks = mid 80s; average = mid 80s.

Achieving these estimated marks does not guarantee admission to the program in any given year.

Note: Students must apply to this program on the Arts & Science Faculty Registrar's Office website (see the Arts & Science Program Enrolment web site for application procedures). **Students wishing to enroll in this program will initially apply to a general departmental Specialist after their first year and during the spring of their second year of study**

**(and completion of PCL201H1) students will select the focus for their future studies (i.e. Pharmacology and/or Biomedical Toxicology).** First and second year courses are the same for ALL SPECIALIST programs within the Department (ASSPE2675/ASSPE2082/ASSPE2340/ASSPE2753).

Students will follow the calendar year in which they initially enter one of our programs (ie for the majority of students that will be ASMAJ2675/ASSPE2675).

Students wishing to enrol **after** their second year who have taken PCL201H1 will be considered on a case by case basis. Successful completion of required pre-requisite courses is required to further enroll in upper level program courses. Students may not transfer to the Major program from the Specialist after completion of PCL465H1, PCL474Y1 courses or PEY.

(14.5 full courses or their equivalent)

First Year: BIO120H1; BIO130H1; (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1; and 1 FCE from any combination of (MAT135H1, MAT136H1); PHY131H1/PHY151H1; PHY132H1/PHY152H1 (see NOTE 1)

Second Year: BCH210H1; BIO230H1/(BIO240H1, 241H1); BIO260H1/HMB265H1; CHM247H1/CHM249H1; PCL201H1; (PSL300H1, PSL301H1)/PSL302Y1 (NOTE: PSL201Y1 is not acceptable).

Third Year: PCL302H1; PCL362H1; PCL366H1; PCL376H1

Third or Fourth Year: LMP363H1 and two and a half (2.5 FCE) full-credit equivalent with at least 1.5 full credit equivalent from PCL courses: PCL345H1/PCL389H1/PCL465H1/PCL475Y1 /PCL477H1/PCL484H1/PCL486H1/PCL491H1/ANA301H1/BCH370H1/CHM310H1/ESS463H1/LMP301H1.

Fourth Year: PCL402H1; PCL473Y1; PCL474Y1 (see NOTE 2); PCL481H1.

## NOTES

1. Any PHY/MAT courses should be completed during the first year and included for program enrollment.
2. Enrollment in the Research Project Course (PCL474Y1) is limited and requires permission from the Department of Pharmacology and Toxicology. Students must receive prior consent of an approved supervisor according to departmental guidelines before the Department of Pharmacology and Toxicology will register them in the course. It is the student's responsibility to initiate all necessary preparations before the session starts (see course description).

## Biomedical Toxicology Major (Science program)

Biomedical toxicology has emerged as an important science addressing drug safety and the adverse consequences of chemical exposure. The Biomedical Toxicology Major program examines the harmful effects of chemicals on the health and behavior of individuals and society. The safety/toxicity of a wide array of chemicals is examined including pharmaceutical preparations, herbal products, natural toxins, and environmental contaminants, with a focus on their effects on human health. Students learn about basic and clinical toxicology and related areas through lectures, tutorials and class discussions/debates.

This program includes the application of toxicological knowledge and risk assessment and prepares students for a variety of job opportunities following its completion as well as for further study in graduate research

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or professional programs such as Medicine, Dentistry, and Pharmacy. (Note: Students interested in professional programs should contact the respective faculties to inquire about specific transfer credits.) Many graduates of the Biomedical Toxicology major program pursue careers in scientific research, forensic science, nutrition and food sciences, governmental agencies, consulting agencies, and industrial settings including the pharmaceutical and chemical industries.

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's marks in the 2.0 required first-year courses:

BIO120H1, BIO130H1, (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1, with an average of at least 70% on these 2.0 full-course equivalents (FCEs) and a final mark of at least 60% in each course.

While it is difficult to predict what will be competitive course marks and average in a given year, based on previous years, the estimate is: course marks = mid 80s; average = mid 80s.

Achieving these estimated marks does not guarantee admission to the program in any given year.

Note: Students must apply to this program on the Arts & Science Faculty Registrar's Office website (see the Arts & Science Program Enrolment web site for application procedures). **Students wishing to enroll in this program will initially apply to a general departmental Major (ASMAJ2675) after their first year and during the spring of their second year of study (and completion of PCL201H1) students will select the focus for their future studies (i.e. Pharmacology and/or Biomedical Toxicology).** First and second year courses are the same for ALL MAJOR programs within the Department (ASMAJ2675/ASMAJ2082/ASMAJ2753). Students cannot combine a Biomedical Toxicology Major program with a Pharmacology Major or Specialist program for their degree.

Students will follow the calendar year in which they initially enter one of our programs (ie for the majority of students that will be ASMAJ2675/ASSPE2675).

Students wishing to enroll **after** their second year who have taken PCL201H1 will be considered on a case by case basis. Successful completion of required pre-requisite courses is required to further enroll in upper level program courses.

(8 full courses or their equivalent)

First Year: BIO120H1; BIO130H1; (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1

Second Year: BCH210H1; BIO230H1/(BIO240H1,241H1); PCL201H1; CHM247H1/CHM249H1; (PSL300H1, PSL301H1)/PSL302Y1 (NOTE: PSL201Y1 is not acceptable).

Third Year: PCL302H1; PCL362H1. (See NOTE 1)

Third or Fourth Year: 1.0 full-credit equivalent with at least one-half credit equivalent from PCL courses:  
PCL345H1/PCL389H1/PCL402H1/PCL475Y1/PCL477H1/PCL481H1/PC L484H1/PCL486H1/ANA301H1/BCH370H1/LMP301H1/LMP363H1.

Fourth Year: PCL473Y1

## NOTES

1. Although LMP301H1 (Introduction to the Biochemistry of Human Disease) and LMP363H1 (Principles of Pathobiology) are not prerequisites to enroll in PCL473Y1, students are recommended to enroll in at least one of these courses.

2. Students are not allowed to enroll concurrently in the Major Program in Pharmacology and the Major Program in Toxicology
3. Students are not allowed to enroll concurrently in the Major Program in Pharmacology and a Specialist Program in Toxicology.
4. Students are not permitted to take PCL472Y1 or PCL474Y1.

## Specialist in Pharmacology and Biomedical Toxicology (Science program)

Pharmacology and Biomedical Toxicology are complementary sciences, and the Pharmacology and Biomedical Toxicology Specialist combines the requirements of the two distinct specialist programs. The Specialist program integrates knowledge of pharmacology –the understanding of the therapeutic properties and clinical applications of externally administered chemical substances in the whole body and the mechanisms of their actions and interactions with their intended targets, while biomedical toxicology examines the harmful effects of exogenous chemicals on the health and behaviour of individuals and society, addressing drug safety and the adverse consequences of chemical exposure. Biomedical toxicology includes understanding the safety/toxicity of a wide array of chemicals (pharmaceutical preparations, herbal products, natural toxins and environmental contaminants) with a focus on their effects and adverse consequences on human health.

Both Pharmacology and Biomedical Toxicology are integrative life sciences which build on the core foundational disciplines of the basic life sciences and the prominent role each science plays in society. A comprehension of the biological mechanisms of action and potential uses of chemicals are key to career success in the fields of medicine, dentistry, pharmacy and nursing. The Specialist program prepares students for a variety of job opportunities following its completion as well as for further study in graduate research or professional programs such as Medicine, Dentistry, and Pharmacy. (Note: Students interested in professional programs should contact the respective faculties to inquire about specific transfer credits.) Graduates of this rigorous program will have access to an impressive variety of job opportunities in either research-based or non-research-based careers, including scientific research in research institutes and in universities, positions in the pharmaceutical, biotechnology and chemical industries, forensic science, nutrition and food sciences, government or consulting agencies. Students learn about both basic and clinical pharmacology and biomedical toxicology through lectures, tutorials, small group sessions, laboratories and independent research projects. The senior research project course enables students to gain valuable research experience while working under the supervision of an individual faculty member in either a laboratory-based or a non-laboratory-based setting.

The Professional Experience Year (PEY) internship program is an elective 12-16 month paid employment placement within pharmaceutical/ biotechnology/chemical companies, university research laboratories, university-affiliated organizations, consulting companies or government research agencies. The PEY takes place between the 3rd and 4th years of undergraduate study and is open to Specialists in Pharmacology and Biomedical Toxicology who have a cGPA of at least 3.0. Students who participate in this program agree to return to their SPE program in the Department to complete their 4th year and their degree. The PEY internship provides an excellent opportunity for real-world experience in drug development, project management, client relations, basic and clinical research, information management and regulatory affairs.

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's marks in the 3.0 required first-year courses:

BIO120H1, BIO130H1, (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1, and 1.0 FCE from (MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1/(PHY131H1, PHY132H1)/(PHY151H1, PHY152H1) with an average of at least 70% on these 3.0 full-course equivalents (FCEs) and a final mark of at least 60% in each course.

While it is difficult to predict what will be competitive course marks and average in a given year, based on previous years, the estimate is: course marks = mid 80s; average = mid 80s.

Achieving these estimated marks does not guarantee admission to the program in any given year.

Note: Students must apply to this program on the Arts & Science Faculty Registrar's Office website (see the Arts & Science Program Enrolment web site for application procedures). **Students wishing to enroll in this program will initially apply to a general departmental Specialist after their first year and during the spring of their second year of study (and completion of PCL201H1) students will select the focus for their future studies (i.e. Pharmacology and/or Biomedical Toxicology).** First and second year courses are the same for ALL SPECIALIST programs within the Department (ASSPE2675/ASSPE2082/ASSPE2340/ASSPE2753).

Students will follow the calendar year in which they initially enter one of our programs (ie for the majority of students that will be ASMAJ2675/ASSPE2675).

Students wishing to enroll **after** their second year who have taken PCL201H1 will be considered on a case by case basis. Successful completion of required pre-requisite courses is required to further enroll in upper level program courses. Students may not transfer to the Major program from the Specialist after completion of PCL461H1/465H1 or PCL472Y1/PCL474Y1 courses or PEY.

(15 full courses or their equivalent)

First Year: BIO120H1; BIO130H1; (CHM135H1, CHM136H1)/(CHM138H1, CHM139H1)/CHM151Y1; and 1 FCE from any combination of (MAT135H1, MAT136H1); PHY131H1/PHY151H1; PHY132H1/PHY152H1 (see NOTE 1)

Second Year: BCH210H1; BIO230H1/(BIO240H1, 241H1); BIO260H1/HMB265H1; CHM247H1/CHM249H1; PCL201H1; (PSL300H1, PSL301H1)/PSL302Y1 (NOTE: PSL201Y1 is not acceptable).

Third Year: BCH311H1/CSB349H1; PCL302H1; PCL362H1; PCL366H1 (See NOTE 2); PCL376H1

Third or Fourth Year: LMP363H1, PCL469H1, and a one and half (1.5 FCE) full-credit equivalent from the following courses: PCL345H1/PCL389H1/PCL461H1/PCL465H1 (See NOTE 2)/PCL475Y1/PCL477H1/PCL484H1/PCL486H1/PCL491H1/LMP301H1. Additional courses that may strengthen your background in this program can be taken, but will not count towards your program: ANA300Y1/ANA301H1/BCH340H1/BCH370H1/CHM310H1/CSB328H1 (see NOTE 4)/ESS463H1/PSL372H1

Fourth Year: PCL402H1; PCL470H1/PCL470Y1; PCL473Y1; PCL472Y1/PCL474Y1 (see NOTE 3); PCL481H1.

## NOTES

1. Any PHY/MAT courses should be completed during the first year and included for program enrollment.
2. Students may take either PCL461H1 or PCL465H1.
3. Enrollment in the Research Project Course (PCL472Y1/PCL474Y1) is limited and requires permission from the Department of Pharmacology

and Toxicology. Students must receive prior consent of an approved supervisor according to Departmental guidelines before the Department will register them in the course. It is the student's responsibility to make all necessary preparations before the session starts (see course description).

4. Some of the choices listed above are only available to students who are enrolled in a POSt sponsored by the department or unit offering the course, and/or who have completed specified prerequisites.

## Environment & Toxicology Specialist (Science Program)

This program is jointly sponsored by the Department of Pharmacology and Toxicology and the School of the Environment. For additional information see "School of the Environment" ([www.environment.utoronto.ca](http://www.environment.utoronto.ca)) or consult our website: [www.pharmtox@utoronto.ca](mailto:www.pharmtox@utoronto.ca)

The Environment and Toxicology Specialist program is an interdisciplinary program which spans the social, physical and life sciences and integrates study of the effects of chemicals not only on the health and behaviour of human beings but on whole ecosystems as the adverse effects associated with therapeutic and environmental chemicals are discussed. This program emphasizes the application of knowledge of environmental toxicology and risk assessment and prepares students for a variety of job opportunities following its completion. Graduates of the Environment and Toxicology program may pursue careers in scientific research, environmental science, conservation science, governmental agencies, consulting agencies, and within chemical, manufacturing or agriculture industries. Students learn to integrate basic environmental and life science with particular aspects of clinical toxicology and related areas through lectures, tutorials, and laboratory and independent research project experience. The senior independent research project course enables students to gain valuable research experience while working under the supervision of an individual faculty member in either a laboratory-based or a non-laboratory-based setting.

Students may choose to participate in the Professional Experience Year internship. The PEY internship is an elective 12-16 month paid employment placement within pharmaceutical/biotechnology/chemical companies, university research laboratories, university-affiliated organizations, consulting companies or government research agencies. The PEY takes place between the 3rd and 4th years of undergraduate study and is open to Specialists in Environment and Toxicology who have a cGPA of at least 3.0. Students who participate in this program agree to return to their SPE program in the Department to complete their 4th year and their degree. The PEY internship provides an excellent opportunity for real-world experience in drug development, project management, client relations, basic and clinical research, information management and regulatory affairs. Students cannot transfer to a Major program after completing the PCL465H or PCL474Y courses or PEY

The Environment and Toxicology Specialist is a Type 2L program and can only accommodate a limited number of students. Admission into this program is determined by a student's average in the following courses: BIO120H1, BIO130H1, CHM138H1, CHM139H1, and one of PHY131H1, MAT135H1, or GGR100H1. It is expected that a cumulative average 70% in the selected courses will be required for admission; however, achieving that mark does not necessarily guarantee admission to the program in any given year. Entry into the program requires completion of BIO120H1, BIO130H1; CHM135H1, CHM136H1, one of PHY131H1, MAT135H1, or GGR100H1 and 0.5 FCE from among the other first year course requirements. Completion of the program requires completion of all 4 FCE of the first year required courses. See the Arts & Science

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Program Enrolment web site for application procedures.

NOTE: Students cannot combine a Biomedical Toxicology Major program with an Environment and Toxicology Specialist program for their degree.

Students who wish to enroll in the program **after** their second year will be considered on a case-by-case basis. Successful completion of required prerequisite courses is required to enroll in further upper-level program courses.

(15 full courses or their equivalent, including 4.0 300+-level courses, 1.0 of which must be at the 400-level).

First Year: BIO120H1; BIO130H1; CHM135H1; CHM136H1/CHM138H1; CHM139H1 ; and at least 0.5 FCE from PHY131H1; MAT135H1; JEG100H1

First or Second Year: At least 1.5 FCE from GGR100H1 (if not counted in First Year, 2 above); GGR101H1; MAT135H1 (if not counted in First Year, 2 above); MAT136H1/JMB170Y1; PHY131H1 (if not counted in First Year, 2 above); PHY132H1

Second Year: BCH210H1; BIO230H1/(BIO240H1, 241H1); ENV221H1; ENV222H1, PCL201H1 and CHM247H1. One FCE from (BIO270H1,BIO271H1)/ (PSL300H1, PSL301H1)/PSL302Y1 (see NOTE 1)

Third and Fourth Years: BIO220H1; ENV234H1; JGE321H1; ENV334H1; CHM210H1; PCL302H1; PCL362H1; PCL473Y1.

One from PCL376H1/STA220H1/STA221H1/EEB225H1 (see NOTE 2).

One from ENV421H1/PCL366H1/PCL474Y1 (see NOTE 2).

At least 1.0 FCE from: ENV341H1; ENV235H1/PHY231H1; JGE236H1/JEE337H1; CHM310H1; ESS463H1; PCL465H1 PCL477H1; PCL481H1; PCL484H1; PCL486H1; LMP301H1; LMP363H1 (see NOTE 3)

NOTES:

1. PSL300H1 and PSL301H1 require MAT100 /PHY100 -series courses.
2. PCL302H1 is a required co-requisite of PCL366H1; PCL201H1, PCL302H1, PCL465H1 and PCL376H1 are pre-requisites for students intending to take PCL474Y1. Students intending to take PCL474Y1 must obtain permission from the Undergraduate Student Advisor of the School of the Environment 3 months prior to the intended date of enrolment. Students must also consult with the Department of Pharmacology and Toxicology at least 3 months prior to the intended date of enrolment as the student is responsible for arranging for a supervisor.
3. Students taking PCL481H1 must take BCH210H1, PCL302H1 and PCL362H1 as prerequisites. Students taking PCL477H must take BCH210H prior. **Students taking ENV421H1 or PCL366H1 must take 1.5 FCE from program electives (group 7) to ensure 15 FCE program credits**

## Pharmacology and Toxicology Courses

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### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### PCL102H1 The Art of Drug Discovery [24L]

This course introduces students to the processes and strategies for discovering new drugs with a special focus on current and emerging approaches for the rational design of drugs that are both effective and safe.

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### PCL200H1 Drugs & The Brain [24L]

Lectures introduce students to prescribed and illicit drugs that affect the brain. Lectures cover drug pharmacology and explain how drugs alter mood, perception, cognition, and arousal by affecting different aspects of brain function. The societal impact of these prescribed and illicit drugs is also discussed

Prerequisite: None

Exclusion: PSY396H1, PCL302H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### PCL201H1 Introduction to Pharmacology and Pharmacokinetic Principles [36L/6T]

A general introduction to the principles of pharmacology and pharmacokinetics. Topics include chemical (drug) absorption, distribution, biotransformation, elimination; the calculation of dosages and pharmacokinetic parameters, variability in drug response, adverse drug reactions and special interest topics.

Corequisite: Recommended Co-requisites: BIO230H1/(BIO240H1, BIO241H1), CHM247H1/CHM249H1, PSL300H1/PSL301H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### PCL285H1 Effective Writing in Life Science [36L]

This course focuses on developing reading, writing and communication skills as applied to Pharmacology, Toxicology and the related biomedical and life sciences. Students will develop analytical and critical thinking skills while learning to develop essays/reviews and to evaluate discipline-specific data and readings.

Prerequisite: BIO120H1, BIO130H1, CHM135H1, CHM136H1

Exclusion: ENG100H1

Distribution Requirement Status: Humanities or Science

Breadth Requirement: None

### PCL297H1 Research Experience in Pharmacology & Toxicology [60P]

A formal opportunity to gain hands-on experience and develop their skills within a research laboratory setting. Students will have a chance to become familiar and efficient at good lab practices, develop critical thinking and evaluation skills while applying their knowledge and developing trouble shooting skills to practical research questions. This course is Pass/Fail. Not eligible for CR/NCR option.

Prerequisite: None; Permission of Faculty Supervisor and Departmental Undergraduate Coordinator required.

Corequisite: None

Recommended Preparation: Completion of at least first year of Life Sciences program.

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PCL299Y1 Research Opportunity Program**

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: None

## **PCL302H1 Pharmacodynamic Principles [36L]**

Topics include biological action of drugs on membranes, enzymes, receptors, neural and hormonal systems, transmission and modulation.

Prerequisite: BIO230H1/(BIO240H1, BIO241H1),

CHM247H1/CHM249H1, (PSL300H1, PSL301H1)/PSL302Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PCL345H1 Experimental Approaches in Drug Discovery [24L]**

Lecturers use their own research to demonstrate how they approach a biological question. The lectures emphasize why one approach is chosen over other possible approaches, and explain the strengths and limitations of techniques. Following the one-hour lecture there is an interactive discussion of the experimental approach covered in the lecture.

Prerequisite: BCH210H1; completion of at least 10 FCE

Recommended Preparation: PSL300H1/PSL301H1 or

BIO270H1/BIO271H

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PCL362H1 Introductory Toxicology [27L/5T]**

Toxicological problems encountered in animals and humans; biochemical mechanisms and clinical factors of toxicological significance; models of drug-related diseases.

Prerequisite: BCH210H1, BIO230H1/(BIO240H1, BIO241H1),

CHM247H1/CHM249H1, PCL201H or Permission of the Course Coordinator

Corequisite: Recommended Co-requisite: PCL302H1,

BCH311H1/CSB349H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PCL366H1 Basic Pharmacology and Toxicology Laboratory [16T/32P]**

Through practical hands-on laboratory experiments and tutorials, students will be introduced to some basic experimental techniques that are used within pharmacology and toxicology research. This course results from the splitting of PCL365Y and PCL471Y and provides students an opportunity to develop introductory and basic laboratory skills.

Prerequisite: PCL201H, PSL300H1/PSL301H1

Corequisite: PCL302H1

Exclusion: PCL365Y1/PCL471Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PCL376H1 Experimental Design and Data Analysis for Pharmacology and Toxicology [30L/6T]**

This course includes lectures focused on experimental design and the analysis of pharmacological and toxicological data. Topics include: principles of experimental design, data analysis and statistical tests appropriate for each type, use of computing statistical packages, analysis of dose-response and time-response curves and analysis of receptor binding assays. Practical applications and problem sets will be taken up in class and in tutorials.

Prerequisite: PCL201H1

Corequisite: PCL302H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PCL389H1 Understanding the Role of Pharmacology and Toxicology in Society [24L]**

This service learning course explores issues surrounding the effects that pharmaceuticals and chemicals have in society. Specifically, it integrates pharmacology and toxicology with social, health and political issues as they relate to drug abuse and addiction. Students are required to interact and work with community partners during the semester (approx 20hrs). Classroom discussions will integrate community experiences with lecture material.

Prerequisite: PCL201H1

Corequisite: PCL302H1; (PSL300H1, PSL301H1)/PSL302Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PCL397Y0 Research Abroad in Pharmacology and Toxicology [200P]**

An independent research project in a pharmacology and/or toxicology laboratory in an approved partner university. This international research experience will be supervised by a faculty member at the partner institution and will allow students to develop critical thinking and evaluation skills while applying their knowledge and troubleshooting skills to practical research questions. Not eligible for CR/NCR option.

Prerequisite: PCL201H1, PCL302H1, PSL300H1, PSL301H1 with a minimum grade of 65%; permission from the Undergraduate Coordinator

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PCL402H1 Pharmacology and Toxicology in Drug Development [24L]**

This course provides the basic principles of drug development, with a primary focus on the application of fundamental principles of pharmacology and toxicology to the design and conduct of early phase clinical trials. This is the phase of the drug development process where much of the innovation and science occurs.

Prerequisite: PCL201H1, PCL302H1

Corequisite: PCL470H1 and/or PCL473Y1

Recommended Preparation: PSL300H1, PSL301H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PCL461H1 Advanced Pharmacology Laboratory [12T/36P]**

Advanced laboratory exercises and discussions through tutorials and presentations in selected areas of pharmacology. Enrollment in this course is generally restricted to students enrolled in the Pharmacology Specialist and Pharmacology and Biomedical Toxicology Specialist programs.

Prerequisite: PCL201H1, PCL302H1, PSL300H1/PSL301H1, PCL366H1

Exclusion: PCL365Y1/PCL471Y1

Recommended Preparation: PCL469H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

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## **PCL465H1 Advanced Toxicology Laboratory [16T/32P]**

An advanced hands-on laboratory course exploring a wide variety of modern experimental techniques currently utilized in toxicology. This course will provide the experimental theory of how the techniques work and their advantages and disadvantages, while additionally allowing students to perform these techniques in the process of addressing toxicological problems. Enrollment in this course is generally restricted to students enrolled in the Biomedical Toxicology Specialist, Pharmacology and Biomedical Toxicology Specialist, and Environment and Toxicology Specialist programs.

Prerequisite: PCL201H1, (PSL300H1, PSL301H1)/PSL302Y1,

PCL302H1, PCL362H1, PCL366H1

Exclusion: PCL365Y/PCL471Y

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PCL469H1 Systems Pharmacology I (formerly PCL470Y1) [31L/4T]**

A culmination of pharmacological principles discussing concepts of drug properties and their interactions within the body. The mechanism of action, pharmacological properties including clinical use and adverse effects of drugs acting on the autonomic nervous systems, cardiovascular, renal, respiratory, gastrointestinal and endocrine systems will be examined. Critical evaluation of primary literature and examination of clinical problem-based case studies will be integrated with lecture material through small group sessions.

Prerequisite: PCL201H1, PCL302H1, (PSL300H1, PSL301H1)/

PSL302Y1, BCH210H1

Exclusion: PCL470Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PCL470H1 Systems Pharmacology II (formerly PCL470Y1) [31L/4T]**

A culmination of pharmacological principles discussing concepts of drug properties and their interactions within the body. The mechanism of action, pharmacological properties including clinical use and adverse effects of drugs acting on the central nervous systems and immunological system; antimicrobial and cancer chemotherapeutic agents as well as the potential therapeutic use of endogenous/herbal compounds will be examined. Critical evaluation of primary literature and examination of clinical problem-based case studies will be integrated with lecture material through small group sessions.

Prerequisite: PCL201H1, PCL302H1, (PSL300H1,

PSL301H1)/(PSL302H1), BCH210H1

Exclusion: PCL470Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PCL472Y1 Project in Pharmacology [TBA]**

This course affords students an opportunity for hands-on research experience in a laboratory or applied pharmacology setting. Students will work under the supervision of a faculty member and will submit a final written report and oral presentation. Enrollment is limited and requires permission from the Department of Pharmacology and Toxicology. It is the student's responsibility to secure a placement with an approved supervisor before the course begins (a list of potential supervisors can be obtained from the Department of Pharmacology and Toxicology).

Students will be registered in the course once their ballot form (obtained from the Department of Pharmacology and Toxicology) is signed by an approved supervisor and approved by the Department of Pharmacology and Toxicology. Students are expected to spend approximately 200 hours towards this project but this will be project/supervisor dependent. Not eligible for CR/NCR option.

Prerequisite: PCL201H1, PCL302H1, PCL366H1, PCL376H1 and permission of Department

Exclusion: PCL474Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PCL473Y1 Interdisciplinary Toxicology [48L]**

This course explores several contemporary topics in biomedical and environmental toxicology with emphasis on how chemicals affect human health. Lectures cover principles of toxicology, the mechanisms of toxicity of a wide variety of toxic agents and the associated toxicities, methodologies used to examine chemical toxicities, risk assessment, and the applications of toxicology. Not eligible for CR/NCR option.

Prerequisite: BCH210H1, PCL201H1, PCL302H1, PCL362H1 or

Permission of the Course Coordinator

Recommended Preparation: BCH311H1/CSB349H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PCL474Y1 Project in Toxicology [TBA]**

This course affords students an opportunity for hands-on research experience in a laboratory or applied toxicology setting. Students will work under the supervision of a staff member and will submit a final written report and oral presentation. Enrollment is limited and requires permission from the Department of Pharmacology and Toxicology. It is the student's responsibility to secure a placement with an approved supervisor before the course begins (a list of potential supervisors can be obtained from the Department of Pharmacology and Toxicology). Students will be registered in the course once their ballot form (obtained from the Department of Pharmacology) is signed by an approved supervisor and approved by the Department of Pharmacology and Toxicology. Students are expected to spend approximately 200 hours towards this project but this will be project/supervisor dependent. Not eligible for CR/NCR option.

Prerequisite: PCL201H1, PCL302H1, PCL366H1, PCL376H1 and

permission of Department

Exclusion: PCL472Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PCL475Y1 Neuropsychopharmacology [72L/24T]**

Major neuro-psychiatric disease syndromes: clinical pathology and neuronal abnormalities; CNS drugs: theories and mechanisms of action.

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PCL477H1 The DNA Damage Response in Pharmacology and Toxicology [24L]**

Many anticancer drugs and environmental agents exert their cytotoxic effects through DNA damage. This course explores specific pharmacological and toxicological agents that damage DNA and discusses how mammalian cells respond to this DNA damage.

Prerequisite: BCH210H1/BCH242Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PCL481H1 The Molecular and Biochemical Basis of Toxicology [24L]**

The biochemical principles and molecular mechanisms underlying the toxicity of drugs and foreign agents. The sequence of events at the molecular level leading to impairment of cell function and the factors which determine and affect toxicity.

Prerequisite: PCL302H1, PCL362H1, BCH210H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PCL484H1 Seminars in Pharmacokinetics and Toxicokinetics [24S]**

Each week a scientist affiliated with the Department of Pharmacology and Toxicology will discuss the application of pharmacokinetic and/or toxicokinetic principles to their research. This area of study plays an important role in clinical medicine and drug development

Prerequisite: PCL201H1

Recommended Preparation: PCL302H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PCL486H1 Pharmacology of Cancer Signaling [24L]**

This course will expand on both classical and cutting edge pharmacological strategies proposed to mitigate the consequences of altered signal transduction in cancer. Students will have the opportunity to develop knowledge on these molecular events and how they can be targeted to improve clinical outcomes. Students will integrate lecture material with assigned readings and assignments.

Prerequisite: BCH210H1/BCH242Y1, PCL302H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PCL491H1 Clinical Pharmacology Principles and Practice [8L/24P]**

This course will examine the practical and experimental aspects of clinical pharmacology and toxicology. Through practical applications and experiments, students will develop their knowledge in Good Laboratory Practice/Good CLinical Practice, critical evaluation and analysis skills through: performing pharmacokinetic experiments (evaluating  $V_d$ , half-life, and clearance); examining case studies and primary literature in regards to drug-drug interactions and adverse drug reactions.

This elective course can apply towards their program requirements in our Specialist and Major streams and will only be available to fourth year students. The course will meet a need expanding students comprehension in clinical pharmacology and pharmacokinetics in a hands-on practical and advance manner. Students will be evaluated on both written and oral communication skills, team work as well as data analysis and interpretation and critical thinking skills.

Prerequisite: PCL201H1, PCL302H1, at least 15 FCE and completion of upper level laboratory course.

Recommended Preparation: PCL469H1, PCL470H1 or PCL473Y1.

Completion of an upper level laboratory course (PCL366H1, PSL372H1, BCH370H1)

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## Faculty

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### University Professors Emeriti

I. Hacking, OC, MA, Ph D, FRSC (V)  
B.C. Inwood, MA, PhD, FRSC  
L.W. Sumner, MA, Ph D, FRSC

### Professors Emeriti

D.P.H. Allen, MA, B Phil, D Phil (T)  
J. Boyle, BA, Ph D (SM)  
J.V. Canfield, AM, Ph D (UTM)  
F.A. Cunningham, MA, Ph D, FRSC  
R.B. DeSousa, BA, Ph D, FRSC  
D.D. Evans, BA, BD, D Phil (V)  
D. Goldstick, BA, D Phil  
W.C. Graham, MA, Ph D (UTSC)  
C.M.T. Hanly, BA, MS L, D Phil  
W.R.C. Harvey, MA, LL B, Ph D (V)  
H.G. Herzberger, AM, Ph D  
R.A. Imlay, MA, Ph D (U)  
E.J. Kremer, AB, Ph D (SM)  
I. Leman Stefanovic MA, Ph D  
K.P. Morgan, MA, M Ed, Ph D (N)  
J.C. Morrison, MA, Ph D (SM)  
G.A. Nicholson, MA, BD, Ph D (T)  
H. Pietersma, MA, Ph D (V)  
T.M. Robinson, BA, BLitt, DLitt  
K.L. Schmitz, MA, MSL, Ph D (T)  
J.G. Slater, MA, Ph D (W)  
J.T. Stevenson, MA (U)  
M.T. Thornton, B Phil, MA, Ph D (V)  
R. E. Tully, BA, D Phil (SM)  
A.I.F. Urquhart, MA, Ph D  
J.M. Vertin, MA, STL, Ph D (SM)  
F.F. Wilson, B Sc, MA, Ph D, FRSC (U)

### Associate Professors Emeriti

B. Brown, BA, MA, Ph D (SM)  
J. Brunning, BA, MA, Ph D (UTM)  
R. V. Friedman, BA, MA, Ph D (SM)  
J. Hartley B Ph, BA, MA, Ph D (SM)  
P. Hess, BA, AM, Ph D (V)  
L. Lange, MA, Ph D (UTSC)  
A. Wingell, BA, MA, MSL, Ph D (SM)

### Professor and Chair

M. Pickavé, MA, Ph D

### Associate Professor and Associate Chair (Graduate)

J. Nagel, MA, Ph D (UTM)

### Associate Professor and Associate Chair (Undergraduate Studies)

I. Dickie, BA (Hons), B Phil, D Phil

### University Professors

T.M. Hurka, BA, B Phil, D Phil, FRSC  
D. Dyzenhaus, BA, LLB, D Phil, FRSC

### Professors

D.C. Ainslie, B Sc, MA, Ph D (U)  
J. Allen, Ph D (UTM)  
R. Barney, BA, Ph D  
D.L. Black, MA, Ph D (SM)  
J.R. Brown, MA, Ph D, FRSC  
R. Comay, MA, Ph D (V)  
L. Gerson, AM, Ph D, FRSC (SM)  
R.B. Gibbs, MA, Ph D (U)  
W. Goetschel, Lic Phil, Ph D  
P.W. Gooch, MA, Ph D (V)  
J.M. Heath, MA, Ph D, FRSC (U)  
D.S. Hutchinson, BA, B Phil, D Phil (T)  
B.D. Katz, MA, Ph D (UTM)  
P. King, BA, Ph D  
M. Kingwell, BA, M Litt, Ph D (T)  
P. Kremer, BSc, Ph D (UTSC)  
M. Matthen, B Sc, MA, Ph D (UTM)  
C. Misak, MA, D Phil, FRSC  
M.L. Morgan, MA, Ph D  
M. Morrison, MA, Ph D, FRSC (T)  
A. Mullin, Ph D (UTM)  
D. Novak, MHL, Ph D (U)  
D. Raffman, BA, Ph D (UTM)  
A. Ripstein, MA, Ph D, FRSC  
M. Rozemond, Kand., Ph D (UTM)  
W.E. Seager, MA, Ph D (UTSC)  
V. Shen, MA, MA, Ph D  
S. Tenenbaum, BA, MA, Ph D (UTM)  
D. Walsh, BSc, Ph D, BA, M Phil, Ph D  
J.E. Whiting, BA, MA, Ph D  
B. Yi, MA, Ph D (UTM)

### Associate Professors

P. Clark, BA, Ph D (UTM)  
B. Hellie, BA, Ph D (UTSC)  
G.S. Rattan, B Sc, Ph D (UTM)  
S.A. Sedivy, BA, Ph D (UTSC)  
J. Weisberg, BA, Ph D (UTM)  
J. Wilson, BA, Ph D (UTSC)  
S.R. Moreau, BA, B Phil, Ph D, JD  
K. Hübner, BA, MA, Ph D (UTSC)

### Assistant Professors

N. Charlow, BA, MA, Ph D (UTM)  
A. Franklin-Hall, BA, Ph D  
F. Huber, MA, Ph D  
W. Hussain, AB, Ph D (UTSC)  
J. Nefsky, BA, Ph D (UTSC)  
A. Sepielli, AB, JD, Ph D (UTM)  
N. Stang, AB, Ph D

### Lecturer

J. John, BA, Ph D

The Greek words from which “Philosophy” is formed mean “love of wisdom” and all great philosophers have been moved by an intense devotion to the search for wisdom. Philosophy takes no belief for granted, but examines the grounds for those beliefs which make up people’s fundamental views of the world. Philosophers think about these beliefs as thoroughly and systematically as possible, using methods of conceptual analysis, reasoning, and detailed description.

What distinguishes Philosophy from the physical and social sciences is its concern not only with the truths which are discovered by means of



specialized methods of investigation, but with the implications that such discoveries have for human beings in their relations with one another and the world. Moreover, Philosophy has an abiding interest in those basic assumptions about the nature of the physical and social world, and about the nature of enquiry itself, which underlie our scientific and practical endeavours.

The Philosophy Department at the University of Toronto offers courses in most of the main periods and areas of Philosophy, which are listed here with a typical question or the name of one or two central figures: Ancient Philosophy (Plato, Aristotle); Mediaeval Philosophy (Augustine, Aquinas); Early Modern Philosophy (Descartes, Hume, Kant); Nineteenth-Century Philosophy (Hegel, Mill, Marx); Asian Philosophy (Chinese Philosophy) Continental Philosophy and Phenomenology (Husserl, Heidegger, Sartre); Analytic Philosophy (Quine, Russell, Wittgenstein); Epistemology and Metaphysics (What can be known? What is the ultimate nature of reality?); Moral Philosophy (How should we argue rationally about right and wrong?); Philosophy of Mind (What is mind? Is there free will?); Logic and Philosophy of Mathematics (What is sound reasoning? Do numbers exist?); Philosophy of Language (What is the meaning of "meaning"?); Philosophy of Natural Science (What is scientific method?); Social and Political Philosophy (What justifies the state?); Aesthetics (What is art? Must it be beautiful?). In addition, the Department offers Seminars (numbered PHL400H1 - PHL488H1), Individual Studies courses (numbered PHL495H1 - PHL499H1) and the Socrates Project (PHL489Y1).

Counselling is available in the main departmental office, 170 St. George St., 4th floor. In particular, students may wish to get advice about how best to combine philosophy programs with other majors or minors, given that various co-specialist programs with other disciplines have been discontinued. In addition, the Department publishes an annual Bulletin. It contains full and up-to-date information on programs and courses, including names of instructors and descriptions of particular course sections. The Bulletin is published in the summer (for the succeeding year) and is available on the Department's website and at 170 St. George Street.

Undergraduate Coordinator:  
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undergrad.phil@utoronto.ca

Undergraduate Counsellor:  
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eric.correia@utoronto.ca

Website:  
<http://philosophy.utoronto.ca>

## Philosophy Programs

### Philosophy Programs

Philosophy programs have unlimited enrolment and no specific admission requirements. All students who have completed at least 4.0 credits are eligible to enrol.

NOTE: No more than 1.0 Individual Studies full credit can be counted towards any philosophy program. Normally, no more than 0.5 Individual Studies credit can be counted towards the 400-level course requirement for any Specialist or Combined Specialist.

### Philosophy Specialist (Arts program)

(10 full courses or their equivalent, including PHL100Y1 if taken)

First year (recommended):

PHL100Y1

Higher Years (required):

- 2.0 FCEs from the following: PHL200Y1 / (PHL205H1, PHL206H1) / PHL210Y1
- 1.0 FCE from the following: PHL217H1 / PHL232H1 / PHL240H1
- PHL265H1 / PHL275H1
- PHL245H1 / PHL246H1
- Additional philosophy courses, to a total of 10 FCEs, including 4.0 PHL FCEs at the 300+ level, of which 1.0 FCE must be at the 400 level.

### Philosophy Major (Arts Program)

(7 full courses or their equivalent, including PHL100Y1 if taken)

First year (recommended):

PHL100Y1

Higher Years (required):

- 1.0 FCE from the following: PHL200Y1 / (PHL205H1, PHL206H1) / PHL210Y1
- 1.0 FCE from the following: PHL217H1 / PHL232H1 / PHL240H1
- PHL265H1 / PHL275H1
- PHL245H1 / PHL246H1
- Additional philosophy courses, to a total of 7.0 FCEs, including 2.0 PHL FCEs at the 300+ level, of which 0.5 FCE must be at the 400 level.

### Philosophy Minor (Arts Program)

(4 full courses or their equivalent, including PHL100Y1 if taken)

1. 1.0 FCE from the following:

PHL200Y1 / (PHL205H1, PHL206H1) / PHL210Y1

2. Additional philosophy courses, to a total of 4.0 FCE's, including 1.0 FCE at the 300+ level.

### Mathematics and Philosophy Specialist (Science program)

Consult the Undergraduate Coordinators of the Departments of Mathematics and Philosophy.

(12.0 FCE including at least 1.0 FCE at the 400-level)

First Year:

MAT157Y1, MAT240H1, MAT247H1; PHL232H1 or PHL233H1

Higher Years:

- MAT257Y1, MAT327H1, MAT347Y1, MAT354H1 / MAT357H1
- PHL345H1, MAT309H1 / PHL348H1
- Four of: PHL325H1, PHL331H1, PHL332H1, PHL346H1, PHL347H1, PHL349H1, PHL355H1, PHL451H1, PHL480H1
- 1.0 FCE from PHL200Y1 / PHL205H1 / PHL206H1 / PHL210Y1
- PHL265H1 / PHL275H1
- Additional 2.0 FCE from PHL or MAT to a total of 12.0 FCE

NOTE: Students with a CGPA of 3.5 and above may apply to have graduate level math courses count towards their 400-level course requirements.

# Philosophy

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## Physics and Philosophy Specialist (Science Program)

Physics has deep historical roots in natural philosophy and many aspects of contemporary Physics raise profound philosophical questions about the nature of reality. The interdisciplinary Physics and Philosophy Program allows the student to engage with both Physics and Philosophy at their deepest levels, and to more fully explore the connections between them.

Consult Associate Chair (Undergraduate Studies), Department of Physics or Philosophy.

(16.0 full courses or their equivalent, including at least 2.0 full courses at the 400 level)

First Year: (3.5 FCE)

(MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1, MAT223H1/MAT240H1, PHY131H1/PHY151H1, PHY132H1/PHY152H1, PHL100Y1

(The courses MAT137Y1, MAT223H1, PHY151H1, PHY152H1 are recommended.)

Second Year: (3.5 FCE)

MAT237Y1/MAT257Y1/MAT235Y1, MAT244H1/MAT267H1, PHY250H1, PHY254H1, PHY256H1, HPS250H1

(The courses MAT237Y1, MAT244H1 are recommended.)

Third Year: (2.5 FCE)

MAT334H1/MAT354H1, PHY252H1, PHY354H1, PHY350H1, PHY356H1

Fourth Year: (1.5 FCE)

PHY456H1, (PHY483H1/PHY452H1), PHY491H1

Any Year: (5.0 FCE)

PHL245H1, (PHL345H1/PHL347H1/PHL348H1/PHL349H1), PHL355H1, PHL356H1, (PHL415H1/PHL482H1), plus 2.5 FCE additional PHL courses, including at least 0.5 at the 300+ level

## Bioethics Specialist (Arts program)

10 full courses or their equivalent including at least 4.0 FCEs at the 300+ level of which 1.0 FCE must be at the 400 level

First year (recommended):

PHL100Y1  
BIO120H1, BIO220H1

Higher Years (required):

1. PHL281H1, PHL271H1, PHL275H1
2. PHL245H1/PHL246H1
3. 1.5 FCEs from Group 1 (Advanced Bioethics)
4. 1.0 FCE from Group 2 (Value Theory)
5. 0.5 FCEs from Group 3 (Metaphysics and Epistemology).
6. Additional philosophy courses, to a total of 10 FCEs, or else additional philosophy courses to a total of 9.0 FCEs and 1.0 FCE from Group 4 (Interdisciplinary)

## Bioethics Major (Arts Program)

7 full courses or their equivalent including at least 2.0 FCEs at the 300+ level of which 0.5 FCE must be at 400 level.

First year (recommended):

PHL100Y1  
BIO120H1, BIO220H1

Higher Years (required):

1. PHL281H1
2. PHL245H1/PHL246H1
3. 1.0 FCE from Group 1 (Advanced Bioethics)
4. 1.5 FCEs from PHL271H1 / PHL275H1 / Group 2 (Value Theory)
5. 0.5 FCE from Group 3 (Metaphysics and Epistemology).
6. Additional philosophy courses, to a total of 7.0 FCEs, or else additional philosophy courses to a total of 6.5 FCEs, plus 0.5 FCE from Group 4 (Interdisciplinary).

## Bioethics Minor (Arts Program)

(4 full courses or their equivalent including at least 1.0 FCE at 300+ level)

1. PHL281H1
2. PHL245H1/PHL246H1
3. 0.5 FCE from Group 1 (Advanced Bioethics)
4. 1.0 FCE from PHL271H1 / PHL275H1 / Group 2 (Value Theory)
5. Additional philosophy courses to a total of 4.0 FCEs.

## Bioethics Course Groups

### Group 1 Advanced Bioethics

PHL380H1, PHL381H1, PHL382H1, PHL383H1, PHL384H1, PHL440H1, PHL470H1

### Group 2 Value Theory

PHL265H1, PHL295H1, PHL365H1, PHL366H1, PHL370H1, PHL375H1, PHL407H1, PHL412H1, PHL413H1, PHL483H1

### Group 3 Metaphysics and Epistemology

PHL232H1, PHL233H1, PHL240H1, PHL331H1, PHL332H1, PHL340H1, PHL341H1, PHL342H1, PHL355H1, PHL357H1, HPS250H1, HPS350H1

### Group 4 Interdisciplinary

NOTE: Many of these courses have prerequisites; students who wish to use these courses for their Bioethics program must fulfill all those prerequisites as required by the departments concerned:  
ANT348H1, GER338H1, GGR340H1, HIS423H1, HIS459H1, HIS489H1, HMB201H1, HMB202H1, HPS318H1, HPS319H1, JHE353H1, SOC243H1, SOC244H1, SOC309Y1, SOC363H1, SOC427H1, WGS367H1

## Environmental Ethics (Arts Program): see School of the Environment

## Philosophy Courses

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### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-](http://www.artsci.utoronto.ca/current/course/fyh-)

1/.

## Note

Some of the courses listed here bear prefixes other than PHL. These courses may be credited toward any of the Programs in Philosophy. They are cross-listed here for convenience but students should consult the primary listings for course descriptions.

### PHL100Y1 Introduction to Philosophy [48L/24T]

An introduction to the central branches of philosophy, such as logic, theory of knowledge, metaphysics, ethics, and political philosophy. Writings from the central figures in the history of Western and non-Western philosophy, as well as contemporary philosophers, may be considered.

Exclusion: PHL101Y1, PHL102Y1, PHL201H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### PHL101Y1 Introduction to Philosophical Problems [48L/24T]

An introduction to some of the central problems of philosophy. Examples of questions that may be considered include: What is sound reasoning? What can we know? What is ultimately real? Is morality rational? Do humans have free will? Is there a God? What is consciousness? Should we fear death? What is justice?

Exclusion: PHL100Y1; PHL201H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## 200-SERIES COURSES

Note: No 200-series course has a 100-series PHL course as a prerequisite.

### PHL200Y1 Ancient Philosophy [72L]

Central texts of the pre-Socratics, Plato, Aristotle, and post-Aristotelian philosophy.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### TRN200Y1 Modes of Reasoning

See "Trinity College Courses"

### PHL201H1 Introductory Philosophy [36L]

An introduction to philosophy focusing on the connections among its main branches: logic, theory of knowledge, metaphysics, and ethics. This course is intended for those with little or no philosophy background but who have completed four FCEs in any subject.

Prerequisite: Four FCEs in any subject

Exclusion: PHL100Y1, PHL102Y1, or more than 1.0 PHL course

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### PHL205H1 Early Medieval Philosophy [36L]

A study of issues such as the relations of reason and faith, the being and the nature of God, and the problem of universals, in the writings of such philosophers as Augustine, Boethius, Anselm and Abelard.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### PHL206H1 Later Medieval Philosophy [36L]

A study of issues such as the relations of reason and faith, the being and the nature of God, and the structure of the universe, in the writings of such philosophers as Aquinas and Ockham.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### PHL210Y1 17th-and 18th-Century Philosophy [72L]

Central texts of such philosophers as Hobbes, Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, and Kant.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### PHL217H1 Introduction to Continental Philosophy [36L]

An introduction to some of the post-Hegelian thinkers who inspired the various philosophical movements broadly referred to as continental, such as phenomenology, existentialism, deconstruction, and post-modernism. Questions include the will, faith, death, existence, history and politics, rationality and its limits, encountering an other. Authors studied may include: Kierkegaard, Schopenhauer, Nietzsche, Marx, Freud, Heidegger, Sartre.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### PHL232H1 Knowledge and Reality [36L]

An introduction to issues in the fundamental branches of philosophy: metaphysics, which considers the overall framework of reality; epistemology, or the theory of knowledge; and related problems in the philosophy of science. Topics in metaphysics may include: mind and body, causality, space and time, God, freedom and determinism; topics in epistemology may include perception, evidence, belief, truth, skepticism.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### PHL233H1 Philosophy for Scientists [24L/12T]

An introduction to philosophy tailored for students with backgrounds in mathematics and science. Topics include causation, explanation, the relation between scientific and mathematical theories and reality, the role of mathematics in scientific theories, the relevance of scientific and mathematical discoveries to 'big' traditional philosophical questions such as the nature of consciousness, whether we have free will, and the meaning of life.

Corequisite: 1.0 FCE in Mathematics, Physics, Chemistry, Engineering, or Computer Science

Recommended Preparation: Background in science and/or mathematics will be presupposed.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### PHL235H1 Philosophy of Religion [36L]

Some central issues in the philosophy of religion such as the nature of religion and religious faith, arguments for the existence of God, the problem of evil, varieties of religious experience, religion and human autonomy.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

# Philosophy

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## **PHL237H1 History of Chinese Philosophy [36L]**

An historical and systematic introduction to the main phases of Chinese philosophical development, including Confucianism, Taoism, Buddhism, and Neo-Confucianism; the challenge of Western thought and the development of modern Chinese Philosophy.

Exclusion: EAS241H1, RLG274H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PHL240H1 Persons, Minds and Bodies [36L]**

Consciousness and its relation to the body; personal identity and survival; knowledge of other minds; psychological events and behaviour.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PHL243H1 Philosophy of Human Sexuality [36L]**

Philosophical issues about sex and sexual identity in the light of biological, psychological and ethical theories of sex and gender; the concept of gender; male and female sex roles; perverse sex; sexual liberation; love and sexuality.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PHL244H1 Human Nature [36L]**

Aspects of human nature, e.g., emotion, instincts, motivation. Theories of human nature, e.g., behaviourism, psychoanalysis.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PHL245H1 Modern Symbolic Logic [36L]**

The application of symbolic techniques to the assessment of arguments. Propositional calculus and quantification theory. Logical concepts, techniques of natural deduction.

Distribution Requirement Status: None

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PHL246H1 Probability and Inductive Logic [36L]**

The elements of axiomatic probability theory and its main interpretations (frequency, logical, and subjective). Reasoning with probabilities in decision-making and science.

Recommended Preparation: PHL245H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PHL247H1 Critical Reasoning [36L]**

The area of informal logic - the logic of ordinary language, usually non-deductive. Criteria for the critical assessment of arguments as strong or merely persuasive. Different types of arguments and techniques of refutation; their use and abuse.

Exclusion: TRN200Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **COG250Y1 Introduction to Cognitive Science**

See "Cognitive Science"

## **HPS250H1 Introductory Philosophy of Science**

See "History & Philosophy of Science & Technology"

## **PHL265H1 Introduction to Political Philosophy [36L]**

An introduction to central issues in political philosophy, e.g., political and social justice, liberty and the criteria of good government. The writings of contemporary political philosophers, as well as major figures in the history of philosophy, may be considered.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **PHL268H1 Philosophy and Social Criticism [36L]**

Is the objective of philosophy to understand and interpret the world, or to change it? A study of theorists who have taken philosophy to be a tool for social criticism. Topics studied may include feminism, critical race theory, anti-consumerism, the critique of mass society, and conservative cultural criticism.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **PHL271H1 Law and Morality [36L]**

Justifications for the legal enforcement of morality; particular ethical issues arising out of the intersection of law and morality, such as punishment, freedom of expression and censorship, autonomy and paternalism, constitutional protection of human rights.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **PHL273H1 Environmental Ethics [36L]**

A study of environmental issues raising questions of concern to moral and political philosophers, such as property rights, responsibility for future generations, and the interaction of human beings with the rest of nature. Typical issues: sustainable development, alternative energy, the preservation of wilderness areas, animal rights.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **PHL275H1 Introduction to Ethics [36L]**

An introduction to central issues in ethics or moral philosophy, such as the objectivity of values, the nature of moral judgements, rights and duties, the virtues, and consequentialism. Readings may be drawn from a variety of contemporary and historical sources.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PHL281H1 Bioethics (formerly PHL281Y1) [36L]**

An introduction to the study of moral and legal problems in medical practice and in biomedical research; the development of health policy. Topics include: concepts of health and disease, patient rights, informed consent, allocation of scarce resources, euthanasia, abortion, genetic and reproductive technologies, human research, and mental health.

Exclusion: PHL281Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **PHL285H1 Aesthetics [36L]**

An historical and systematic introduction to the main questions in the philosophy of art and beauty from Plato to the present. These include the relation between art and beauty, the nature of aesthetic experience, definitions and theories of art, the criteria of excellence in the arts, and the function of art criticism.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**PHL295H1 Business Ethics [36L]**

Philosophical issues in ethics, social theory, and theories of human nature insofar as they bear on contemporary conduct of business. Issues include: Does business have moral responsibilities? Can social costs and benefits be calculated? Does modern business life determine human nature or the other way around? Do political ideas and institutions such as democracy have a role within business?  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: Society and its Institutions (3)

**PHL299Y1 Research Opportunity Program**

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: None

**300-SERIES COURSES**

All 300-series courses have a prerequisite of three half courses (or equivalent) in philosophy, with the exception of PHL345H1 - PHL349H1 and PHL356H1. There is also a general prerequisite of 7.5 courses (in any field). Only specific courses required or recommended are listed below. Students who do not meet the prerequisite for a particular course but believe that they have adequate preparation must obtain the permission of the instructor to gain entry to the course.

**PHL301H1 Early Greek Philosophy [36L]**

A study of selected Greek philosophers before Plato. Topics may include the Pre-Socratic natural philosophers, Parmenides and the Eleatics, and the so-called sophistic movement.  
 Prerequisite: PHL200Y1, 7.5 courses (in any field) with at least 1.5 in philosophy  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: Thought, Belief and Behaviour (2)

**PHL302H1 Ancient Philosophy After Aristotle [36L]**

A study of selected themes in post-Aristotelian philosophy. Topics may include Stoicism, Epicureanism, Neoplatonism, and various forms of scepticism.  
 Prerequisite: PHL200Y1, 7.5 courses (in any field) with at least 1.5 in philosophy  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: Thought, Belief and Behaviour (2)

**PHL303H1 Plato [36L]**

Selected metaphysical, epistemological, and ethical themes in Plato's dialogues.  
 Prerequisite: PHL200Y1, 7.5 courses (in any field) with at least 1.5 in philosophy  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: Thought, Belief and Behaviour (2)

**PHL304H1 Aristotle [36L]**

Selected anthropological, ethical and metaphysical themes in the works of Aristotle.  
 Prerequisite: PHL200Y1, 7.5 courses (in any field) with at least 1.5 in philosophy  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: Thought, Belief and Behaviour (2)

**PHL307H1 Augustine [36L]**

Central themes in St. Augustine's Christian philosophy, such as the problem of evil, the interior way to God, the goal of human life and the meaning of history.  
 Prerequisite: PHL200Y1/PHL205H1, 7.5 courses (in any field) with at least 1.5 in philosophy  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: Thought, Belief and Behaviour (2)

**PHL308H1 Aquinas [36L]**

Philosophical innovations that St. Thomas Aquinas made in the course of constructing a systematic theology: essence and existence, the Five Ways, separate intelligences, the human soul and ethics.  
 Prerequisite: PHL200Y1/PHL205H1/PHL206H1, 7.5 courses (in any field) with at least 1.5 in philosophy  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: Thought, Belief and Behaviour (2)

**PHL309H1 Topics in Medieval Philosophy [36L]**

Study of a major philosophical figure from the medieval period, such as Anselm, Abelard, Bonaventure, Maimonides, Avicenna, Duns Scotus, William of Ockham; or consideration of a central philosophical topic in a variety of medieval authors, for example, universals, individuation, the existence of God, free will and free choice, eternity and creation.  
 Prerequisite: PHL200Y1/PHL205H1/PHL206H1, 7.5 courses (in any field) with at least 1.5 in philosophy  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: Thought, Belief and Behaviour (2)

**PHL310H1 The Rationalists [36L]**

Central philosophical problems in philosophers such as Descartes, Spinoza, Leibniz, and their contemporaries.  
 Prerequisite: PHL210Y1, 7.5 courses (in any field) with at least 1.5 in philosophy  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: Thought, Belief and Behaviour (2)

**PHL311H1 The Empiricists [36L]**

Central philosophical problems in philosophers such as Locke, Berkeley, Hume, and their contemporaries.  
 Prerequisite: PHL210Y1, 7.5 courses (in any field) with at least 1.5 in philosophy  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: Thought, Belief and Behaviour (2)

**PHL313H1 Topics in 17th and 18th Century Philosophy [36L]**

Central philosophical problems arising in the early modern period.  
 Prerequisite: PHL210Y1, 7.5 courses (in any field) with at least 1.5 in philosophy  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: Thought, Belief and Behaviour (2)

**PHL314H1 Kant (formerly PHL312H1) [36L]**

A systematic study of The Critique of Pure Reason.  
 Prerequisite: PHL210Y1, 7.5 courses (in any field) with at least 1.5 in philosophy  
 Exclusion: PHL312H1  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: Thought, Belief and Behaviour (2)

# Philosophy

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## **PHL315H1 Topics in 19th-Century Philosophy [36L]**

Central philosophical problems arising in the 19th century.  
Prerequisite: PHL210Y1, 7.5 courses (in any field) with at least 1.5 in philosophy  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **PHL316H1 Hegel [36L]**

An examination of Hegel's project of absolute knowing, its philosophical assumptions, and its implications for history, science and experience.  
Prerequisite: PHL210Y1, 7.5 courses (in any field) with at least 1.5 in philosophy  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **PHL317H1 Marx and Marxism [36L]**

An examination of some of the leading themes in the philosophy of Karl Marx. Developments of Marxist philosophy by later thinkers, and critics of Marxism, may also be considered.  
Prerequisite: 7.5 courses (in any field) with at least 1.5 in philosophy  
Recommended Preparation: PHL265H1/POL200Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **PHL319H1 Philosophy and Psychoanalytic Theory [36L]**

A study of the fundamentals of psychoanalytic theory from a philosophical perspective, focusing on the works of Freud and others. Topics include mind (conscious and unconscious), instinctual drives, mechanisms of defence, the structure of personality, civilization, the nature of conscience, and the status of psychoanalysis.  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **PHL320H1 Phenomenology [36L]**

Phenomenology is a method used in the analysis of human awareness and subjectivity. It has been applied in the social sciences, in the humanities, and in philosophy. Texts studied are from Husserl and later practitioners, e.g., Heidegger, Sartre, Merleau-Ponty, Gurwitsch, and Ricoeur.  
Prerequisite: PHL210Y1/PHL217H1, 7.5 courses (in any field) with at least 1.5 in philosophy  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **PHL321H1 Heidegger [36L]**

Some work from the 1920s (either Being and Time or contemporary lectures) and selections from Heidegger's later work on poetry, technology, and history are studied. Heidegger's position within phenomenology and within the broader history of thought is charted.  
Prerequisite: PHL217H1, 7.5 courses (in any field) with at least 1.5 in philosophy  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **PHL322H1 Contemporary Continental Philosophy [36L]**

German and French philosophy after World War II, focusing on such topics as: debates about humanism, hermeneutics, critical theory, the structuralist movement, its successors such as deconstruction. Typical authors: Heidegger, Gadamer, Habermas, Levi-Strauss, Foucault, Derrida.  
Prerequisite: PHL217H1, 7.5 courses (in any field) with at least 1.5 in philosophy  
Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PHL323H1 Social and Cultural Theory [36L]**

A study of philosophical approaches to understanding various aspects of contemporary culture and/or society. Topics may include theories of modernity, capitalism and consumerism, architecture and design, cultural pluralism, globalization, media and internet.  
Prerequisite: 7.5 courses (in any field) with at least 1.5 in philosophy  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **PHL325H1 Early Analytic Philosophy [36L]**

An examination of some of the classic texts of early analytic philosophy, concentrating on the work of Frege, Russell, and Wittgenstein.  
Prerequisite: PHL245H1/MAT157Y1 and one of PHL232H1/PHL233H1/PHL240H1, 7.5 courses (in any field) with at least 1.5 in philosophy  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **PHL326H1 Wittgenstein [36L]**

Topics may include Wittgenstein's views on the structure and function of language, meaning, the possibility of a private language, and the concepts of feeling and thinking.  
Prerequisite: One of PHL210Y1/PHL232H1/PHL233H1/PHL240H1, 7.5 courses (in any field) with at least 1.5 in philosophy  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **PHL331H1 Metaphysics [36L]**

Historical and systematic approaches to topics in metaphysics, such as the nature of reality, substance and existence, necessity and possibility, causality, universals and particulars.  
Prerequisite: PHL232H1/PHL233H1, 7.5 courses (in any field) with at least 1.5 in philosophy  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **PHL332H1 Epistemology [36L]**

Historical and systematic approaches to topics in the theory of knowledge, such as truth, belief, justification, perception, a priori knowledge, certitude, skepticism, other minds.  
Prerequisite: PHL232H1/PHL233H1, 7.5 courses (in any field) with at least 1.5 in philosophy  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **PHL335H1 Issues in Philosophy of Religion [36L]**

Some specific problem(s) in the philosophy of religion, such as the relationship of religious faith and religious belief, the ontological argument for the existence of God, theories about divine transcendence, the philosophical presuppositions of religious doctrines, the modern critique of religion.  
Prerequisite: 7.5 courses (in any field) with at least 1.5 in philosophy  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

**PHL336H1 Islamic Philosophy [36L]**

An introduction to the major thinkers in classical Islamic philosophy, with emphasis placed on developing a properly philosophical understanding of the issues and arguments. Topics include the existence of God; creation and causality; human nature and knowledge; the nature of ethical obligations; and the constitution of the ideal political state.

Prerequisite: PHL200Y1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**PHL337H1 Topics in Chinese Philosophy [36L]**

An intermediate level treatment of such topics as: human nature; good and evil; the role of emotions; the metaphysical ultimate.

Prerequisite: PHL237H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**PHL338H1 Jewish Philosophy [36L]**

A selection of texts and issues in Jewish philosophy, for example, Maimonides' Guide of the Perplexed, Bubers The Prophetic Faith, prophecy and revelation, Divine Command and morality, creation and eternity, the historical dimension of Jewish thought.

Prerequisite: 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**PHL340H1 Issues in Philosophy of Mind [36L]**

Typical issues include: the mind-brain identity theory; intentionality and the mental; personal identity.

Prerequisite: One of COG250Y1/PHL240H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**PHL341H1 Freedom, Responsibility, and Human Action [36L]**

Human action, and the nature of freedom and responsibility in the light of contemporary knowledge concerning the causation of behaviour.

Prerequisite: PHL210Y1/PHL232H1/PHL233H1/PHL240H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**PHL342H1 Minds and Machines [36L]**

Topics include: philosophical foundations of artificial intelligence theory; the computational theory of the mind; functionalism vs. reductionism; the problems of meaning in the philosophy of mind.

Prerequisite: 7.5 courses (in any field) with at least 1.5 in philosophy/COG250Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**PHL344H1 Philosophy of Emotions [36L]**

A survey of philosophical topics related to the emotions, from a range of philosophical perspectives. Questions to be considered may include the following: What exactly is an emotion? Are emotions feelings? What emotions are there, and how are they shaped by culture and society? How are emotions related to reason, the brain and the body? What role do -- and should -- the emotions play in decision-making? Can an emotion be morally right or wrong, and what makes it so?

Prerequisite: PHL240H1/PHL244H1/PHL342H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**PHL345H1 Intermediate Logic [36L]**

A survey of several major areas of formal logic and their application to philosophical problems, applying formal techniques and building directly on PHL245. Possible topics include set theory, non-classical logics, modal logic and metalogic.

Prerequisite: PHL245H1/MAT157Y1 and a full course in PHL/CSC/MAT

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**PHL346H1 Philosophy of Mathematics [36L]**

Platonism versus nominalism, the relation between logic and mathematics, implications of Gödel's theorem, formalism and intuitionism.

Prerequisite: PHL245H1/MAT157Y1 and a full course in PHL/CSC/MAT

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**PHL347H1 Modal Logic [36L]**

Formal study of the concepts of necessity and possibility; modal, propositional and quantificational logic; possible-worlds semantics; the metaphysics of modality.

Prerequisite: PHL245H1/MAT157Y1 and a full course in PHL/CSC/MAT

Recommended Preparation: PHL345H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**PHL348H1 Logic and Computation [36L]**

Topics will include Kurt Gödel's celebrated incompleteness theorems, the technical ideas and methods involved in proving them, their relation to the abstract theory of computation, and their philosophical implications. Are there mathematical truths that cannot be known? Are mathematical concepts such as number and set indeterminate to some extent? Are there limits to what can be modeled formally?

Prerequisite: PHL245H1/MAT157Y1 and a full course in PHL/CSC/MAT

Exclusion: MAT309H1/CSC438H1, PHL344H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**PHL349H1 Set Theory [36L]**

An introduction to set theory emphasizing its philosophical relevance as a unifying framework for mathematics and logic. Topics examined may include the paradoxes of the 'naïve' conception of sets and their resolution through axiomatization, the construction of natural numbers and real numbers in set theory, equivalents of the axiom of choice, and model theory.

Prerequisite: PHL245H1/MAT157Y1 and a full course in PHL/CSC/MAT

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**HPS350H1 Revolution in Science**

See "History and Philosophy of Science and Technology"

# Philosophy

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## **PHL351H1 Philosophy of Language [36L]**

The nature of language as a system of human communication, theories of meaning and meaningfulness, the relation of language to the world and to the human mind.

Prerequisite: PHL245H1/PHL157Y1 and one of PHL232H1/PHL233H1/PHL240H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PHL355H1 Philosophy of Natural Science [36L]**

The structure and methods of science: explanation, methodology, realism and instrumentalism.

Recommended Preparation: A solid background in science or HPS250H1/PHL246H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PHL356H1 Philosophy of Physics [36L]**

Introduction to philosophical issues which arise in modern physics, especially in Relativity and Quantum Mechanics. Topics include: the nature of spacetime, conventionality in geometry, determinism, and the relation between observation and existence.

Prerequisite: One full course in MAT/PHY; two full courses are recommended.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PHL357H1 Philosophy of Biology [36L]**

Philosophical issues in the foundations of biology, e.g., the nature of life, evolutionary theory; controversies about natural selection; competing mechanisms, units of selection; the place of teleology in biology; biological puzzles about sex and sexual reproduction; the problem of species; genetics and reductionism; sociobiology; natural and artificial life.

Prerequisite: 7.5 courses (in any field) with at least 1.5 in philosophy.

Students with a background in Biology are exempt from the prerequisite of 1.5 courses in Philosophy

Recommended Preparation: HPS250H1/PHL246H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PHL362H1 Philosophy of History [36L]**

Typical questions include: Has history any meaning? Can there be general theories of history? How are the findings of historians related to the theories of metaphysics and of science? Is history deterministic? Must the historian make value judgements? Is history science or an art? Are there historical forces or spirits of an epoch?

Prerequisite: 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PHL365H1 Political Philosophy [36L]**

A study of some of the central problems of political philosophy, addressed by historical and contemporary political theorists.

Prerequisite: PHL265H1/POL200Y1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PHL366H1 Topics in Political Philosophy [39L]**

A focused examination of a selected issue in political philosophy.

Prerequisite: PHL265H1/POL200Y1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PHL367H1 Philosophy of Feminism (formerly PHL267H1) [36L]**

Selected issues and topics in the philosophy of feminism.

Prerequisite: PHL265H1/PHL268H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Exclusion: PHL267H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PHL370H1 Issues in Philosophy of Law [36L]**

Major issues in philosophy of law, such as legal positivism and its critics, law and liberalism, feminist critiques of law, punishment and responsibility.

Prerequisite: PHL271H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Recommended Preparation: PHL265H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PHL373H1 Issues in Environmental Ethics [36L]**

An intermediate-level examination of key issues in environmental philosophy, such as the ethics of animal welfare, duties to future generations, deep ecology, ecofeminism, sustainable development and international justice.

Prerequisite: PHL273H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PHL375H1 Ethics [36L]**

An intermediate-level study of selected issues in moral philosophy, or of influential contemporary or historical works in ethical theory.

Prerequisite: PHL275H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PHL376H1 Topics in Moral Philosophy [39L]**

A focused examination of a selected issue in moral philosophy.

Prerequisite: PHL275H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PHL378H1 War and Morality [36L]**

Moral and political issues concerning warfare: the theory of the just war, pacifism, moral constraints on the conduct of war, war as an instrument of foreign policy, the strategy of deterrence. Special attention to the implications of nuclear weapons.

Prerequisite: PHL265H1/PHL275H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)



## PHL380H1 Global Bioethics [36L]

An intermediate-level study of moral problems that arise in international contexts, including issues of special interest in bioethics: moral universalism and relativism; global distributive justice; poverty relief and international aid; international health disparities; globalization and health; HIV/AIDS; intellectual property and access to essential medicines; clinical trials in developing countries; exploitation and the 10/90 gap.

Prerequisite: PHL281H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## PHL381H1 Ethics and Medical Research [36L]

An intermediate-level study of problems in biomedical and behavioural research with human subjects: informed voluntary consent, risk and benefit, experimental therapy, randomized clinical trials, research codes and legal issues, dependent groups (human embryos, children, the aged, hospital patients, the dying, prisoners, the mentally ill).

Prerequisite: PHL281H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## PHL382H1 Ethics: Death and Dying [36L]

An intermediate-level study of moral and legal problems, including the philosophical significance of death, the high-tech prolongation of life, definition and determination of death, suicide, active and passive euthanasia, the withholding of treatment, palliative care and the control of pain, living wills; recent judicial decisions.

Prerequisite: PHL281H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## PHL383H1 Ethics and Mental Health [36L]

An intermediate-level study of moral and legal problems, including the concepts of mental health and illness, mental competence, dangerousness and psychiatric confidentiality, mental institutionalization, involuntary treatment and behaviour control, controversial therapies; legal issues: the Mental Health Act, involuntary commitment, the insanity defence.

Prerequisite: PHL281H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## PHL384H1 Ethics, Genetics and Reproduction [36L]

An intermediate-level study of moral and legal problems, including the ontological and moral status of the human embryo and fetus; human newborn, carrier and prenatal genetic screening for genetic defect, genetic therapy; the reproductive technologies (e.g., artificial insemination, in vitro fertilization); recent legislative proposals and judicial decisions.

Prerequisite: PHL281H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## PHL385H1 Issues in Aesthetics [36L]

Selected topics in the philosophy of art. Such issues as the following are discussed: whether different arts require different aesthetic principles; relations between art and language; the adequacy of traditional aesthetics to recent developments in the arts; art as an institution.

Recommended Preparation: PHL285H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## PHL388H1 Literature and Philosophy [36L]

The literary expression of philosophical ideas and the interplay between literature and philosophy. Such philosophical issues as the nature and origin of good and evil in human beings, the nature and extent of human freedom and responsibility, and the diverse forms of linguistic expression. Such authors as Wordsworth, Mill, Dostoyevsky, Tolstoy, Miller, Camus, and Lawrence are studied.

Prerequisite: 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## PHL394H1 Markets and Morals [36L]

A study of the standards that can be used to judge the performance of economic systems, e.g., efficiency, fairness, maximization, along with the different institutional mechanisms that can be used to organize economic activity, e.g., markets or hierarchies, public or private ownership.

Prerequisite: One of PHL265H1/PHL275H1/POL200Y1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## PHL395H1 Issues in Business Ethics [36L]

A focused examination of moral issues that arise in the conduct of business, in areas such as accounting and finance, corporate governance, human resources, environmental conduct, business lobbying and regulatory compliance.

Prerequisite: PHL295H1, 7.5 courses (in any field) with at least 1.5 in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## PHL398H0 Research Excursions

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## PHL399Y0 Research Excursions

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## 400-SERIES COURSES

### Notes

1. The general Prerequisite for ALL 400-level courses is eight half-courses in philosophy. Most courses also have specific Prerequisites. Students who do not meet the Prerequisite for a particular course but believe that they have adequate preparation must obtain the permission of the instructor in order to gain entry to the course.
2. PHL400H1-PHL451H1 are undergraduate-level courses. PHL470H1-

# Philosophy

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PHL488H1 are cross-listed graduate courses, available to undergraduates as well. Enrolment in these courses requires the permission of the instructor and the Department in addition to the completion of the Prerequisites indicated below.

- Individual Studies courses (PHL495H1/PHL496H1/PHL497H1), which involve directed study and research, are available to advanced students. Arrangements must be made with a faculty supervisor, and approval of the Undergraduate Coordinator obtained before registration.
- No more than one individual studies credit can be counted towards any philosophy program and normally, no more than one individual studies half credit can be counted towards the 400-level course requirement for any Specialist or Combined Specialist Philosophy program.
- The Socrates Project (PHL489Y1) is a special enrolment course. If you are interested in this course please contact the department.

## **PHL400H1 Seminar in Ancient/Medieval Philosophy [36S]**

Advanced discussion of the principal figures and themes in ancient and/or medieval philosophy.

Prerequisite: PHL200Y1, 4.0 credits in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **PHL401H1 Seminar in the History of Philosophy [36S]**

Advanced study of some of the principal figures in a particular historical, philosophical tradition.

Prerequisite: PHL200Y1/PHL210Y1

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **COG401H1 Seminar in Cognitive Science**

See "Cognitive Science Courses"

## **PHL402H1 Seminar in Early Modern Philosophy [36S]**

Advanced discussion of the principal figures and themes in the philosophy of the 17th and/or 18th centuries.

Prerequisite: PHL210Y1, 4.0 credits in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **PHL403H1 Seminar in 19th-Century Philosophy [36S]**

Advanced discussion of some principal figures and themes in 19th century philosophy.

Prerequisite: PHL210Y1/PHL217H1/PHL315H1/PHL316H1, 4.0 credits in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **PHL404H1 Seminar in Epistemology [36S]**

Typical problems include the nature of knowledge and belief; perception; theories of truth and necessity; skepticism.

Prerequisite: PHL232H1/PHL233H1, 4.0 credits in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **PHL405H1 Seminar in Philosophy of Mind [36S]**

Advanced study of a problem in the philosophy of mind.

Prerequisite: PHL240H1/PHL342H1/COG250Y1, 4.0 credits in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **PHL406H1 Seminar in Metaphysics [36S]**

Typical problems include causality and determinism; ontological categories; mind and body; the objectivity of space and time.

Prerequisite: PHL232H1/PHL233H1, 4.0 credits in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **PHL407H1 Seminar in Ethics [36S]**

Advanced discussion of issues in moral philosophy, including issues of applied ethics.

Prerequisite: PHL275H1, 4.0 credits in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **PHL408H1 Seminar in Philosophy [36S]**

Topics vary but bridge two or more areas or traditions of philosophy.

Prerequisite: 4.0 credits in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **PHL409H1 New Books Seminar [36S]**

Advanced study of key philosophical works published within the last five years.

Prerequisite: 4.0 credits in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **PHL410H1 Seminar in Continental Philosophy [36S]**

Advanced study of recent philosophical discussions within the continental tradition.

Prerequisite: PHL217H1/PHL315H1/PHL316H1/PHL319H1/PHL320H1/PHL321H1/PHL322H1, 4.0 credits in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **PHL411H1 Seminar in Analytic Philosophy [36S]**

Advanced study of some topic of current philosophical interest within the analytic tradition.

Prerequisite: PHL245H1/MAT157Y1 and one of

PHL232H1/PHL233H1/PHL240H1, 4.0 credits in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **PHL412H1 Seminar in Political Philosophy [36S]**

Advanced study of some topic in social or political philosophy.

Prerequisite: PHL265H1/PHL271H1, 4.0 credits in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **PHL413H1 Seminar in Applied Ethics [36S]**

Advanced study of some topic in an area of applied ethics, including bioethics, environmental ethics, and so on.

Prerequisite: PHL271H1/PHL273H1/PHL275H1/PHL281Y1, 4.0 credits in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **PHL414H1 Seminar in Philosophy of Religion [36S]**

Advanced study of topics in the philosophy of religion.

Prerequisite: PHL235H1/PHL335H1, 4.0 credits in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **PHL415H1 Seminar in Philosophy of Science [36S]**

Advanced study of some area or problem in the philosophy of science.

Prerequisite: One of PHL355H1 – PHL357H1 or HPS250H1, 4.0 credits in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **PHL440H1 Clinical Bioethics [36S]**

Advanced study of topics in bioethics, taught in conjunction with clinical bioethicists associated with the health care organization partners of the University of Toronto Joint Centre for Bioethics.

Prerequisite: PHL281H1 and permission of the instructor and Department (by ballot). Limited to students enrolled in the Bioethics Specialist or Bioethics Major programs.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **PHL451H1 Seminar in Logic/Philosophy of Language [36S]**

Advanced study of some topic in logic and/or the philosophy of language.

Prerequisite: PHL245H1/MAT157Y1 and one of PHL232H1/PHL233H1/PHL240H1/PHL246H1, 4.0 credits in philosophy

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **PHL470H1 Advanced Bioethics [36S]**

Philosophical exploration of the foundations and methodology of bioethics. Offered jointly with PHL2145H.

Prerequisite: PHL281H1 and one of PHL380H1/PHL381H1/PHL382H1/PHL383H1/PHL384H1, and permission of the instructor and Department (by ballot). Limited to students enrolled in the Bioethics Specialist or Bioethics Major programs.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **PHL471H1 Advanced Topics in Greek Philosophy [36S]**

Advanced Topics in Greek Philosophy

Prerequisite: PHL200Y1 and permission of the instructor and Department (by ballot)

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **PHL472H1 Advanced Topics in Medieval Philosophy [36S]**

Advanced Topics in Medieval Philosophy

Prerequisite: PHL200Y1/PHL205H1/ PHL206H1 and permission of the instructor and Department (by ballot)

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **PHL473H1 Advanced Topics in Modern Philosophy [36S]**

Advanced Topics in Modern Philosophy

Prerequisite: PHL210Y1 and permission of the instructor and Department (by ballot)

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **PHL475H1 Advanced Topics in Moral Philosophy [36S]**

Advanced Topics in Moral Philosophy

Prerequisite: PHL275H1 and permission of the instructor and Department (by ballot)

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **PHL476H1 Advanced Topics in Epistemology [36S]**

Advanced Topics in Epistemology

Prerequisite: PHL232H1/PHL233H1 and permission of the instructor and Department (by ballot)

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **PHL477H1 Advanced Topics in Metaphysics [36S]**

Advanced Topics in Metaphysics

Prerequisite: PHL232H1/PHL233H1 and permission of the instructor and Department (by ballot)

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **PHL478H1 Advanced Topics in Philosophy of Religion [36S]**

Advanced Topics in Philosophy of Religion

Prerequisite: PHL235H1/PHL335H1 and permission of the instructor and Department (by ballot)

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **PHL479H1 Advanced Topics in Philosophy of Mind [36S]**

Advanced Topics in Philosophy of Mind

Prerequisite: UNI250Y1/PHL240H1/PHL340H1/ PHL341H1/PHL342H1 and permission of the instructor and Department (by ballot)

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **PHL480H1 Advanced Topics in Logic [36S]**

Advanced Topics in Logic

Prerequisite: Two of PHL344H1 - PHL349H1 and permission of the instructor and Department (by ballot)

Distribution Requirement Status: Humanities

Breadth Requirement: None

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## **PHL481H1 Advanced Topics in the Philosophy of Language [36S]**

Advanced Topics in the Philosophy of Language  
Prerequisite: PHL351H1 and permission of the instructor and Department (by ballot)  
Distribution Requirement Status: Humanities  
Breadth Requirement: None

## **PHL482H1 Advanced Topics in Philosophy of Natural Science [36S]**

Advanced Topics in Philosophy of Natural Science  
Prerequisite: One of PHL355H1 – PHL357H1 or HPS250H1, and permission of the instructor and Department (by ballot)  
Distribution Requirement Status: Humanities  
Breadth Requirement: None

## **PHL483H1 Advanced Topics in Social and Political Philosophy [36S]**

Advanced Topics in Social and Political Philosophy  
Prerequisite: PHL265H1 and permission of the instructor and Department (by ballot)  
Distribution Requirement Status: Humanities  
Breadth Requirement: None

## **PHL484H1 Advanced Topics in the Philosophy of Law [36S]**

Advanced Topics in the Philosophy of Law  
Prerequisite: PHL271H1 and permission of the instructor and Department (by ballot)  
Distribution Requirement Status: Humanities  
Breadth Requirement: None

## **PHL485H1 Advanced Topics in Aesthetics [36S]**

Advanced Topics in Aesthetics  
Prerequisite: PHL285H1/PHL385H1 and permission of the instructor and Department (by ballot)  
Distribution Requirement Status: Humanities  
Breadth Requirement: None

## **PHL486H1 Advanced Topics in Philosophy of History [36S]**

Advanced Topics in Philosophy of History  
Prerequisite: PHL362H1 and permission of the instructor and Department (by ballot)  
Distribution Requirement Status: Humanities  
Breadth Requirement: None

## **PHL487H1 Advanced Topics in Philosophy [TBA]**

Advanced Topics in Philosophy  
Prerequisite: Permission of the instructor and Department  
Distribution Requirement Status: Humanities  
Breadth Requirement: None

## **PHL488H1 Advanced Topics in Philosophy [TBA]**

Advanced Topics in Philosophy  
Prerequisite: Permission of the instructor and Department  
Distribution Requirement Status: Humanities  
Breadth Requirement: None

## **PHL489Y1 Advanced Topics in Philosophy [TBA]**

Advanced Topics in Philosophy  
Prerequisite: Permission of the instructor and Department  
Distribution Requirement Status: Humanities  
Breadth Requirement: None

## **PHL490Y1 Individual Studies (formerly PHL390Y1) [TBA]**

Individual Studies. Not eligible for CR/NCR option.  
Distribution Requirement Status: Humanities  
Breadth Requirement: None

## **PHL495H1 Individual Studies (formerly PHL395H1) [TBA]**

Individual Studies. Not eligible for CR/NCR option.  
Distribution Requirement Status: Humanities  
Breadth Requirement: None

## **PHL496H1 Individual Studies (formerly PHL396H1) [TBA]**

Individual Studies. Not eligible for CR/NCR option.  
Distribution Requirement Status: Humanities  
Breadth Requirement: None

## **PHL497H1 Individual Studies (formerly PHL397H1) [TBA]**

Individual Studies. Not eligible for CR/NCR option.  
Distribution Requirement Status: Humanities  
Breadth Requirement: None

## **PHL498H1 Individual Studies (formerly PHL398H1) [TBA]**

Individual Studies. Not eligible for CR/NCR option.  
Distribution Requirement Status: Humanities  
Breadth Requirement: None

## **PHL499H1 Individual Studies (formerly PHL399H1) [TBA]**

Individual Studies. Not eligible for CR/NCR option.  
Distribution Requirement Status: Humanities  
Breadth Requirement: None

## Faculty

### University Professor Emeritus

A.E. Litherland, B Sc, Ph D, FRSC, FRS

### Professors Emeriti

R.L. Armstrong, MA, Ph D, FRSC  
 R. C. Bailey, B.Sc., Ph.D.  
 M.J. Bronskill, M Sc, Ph D, FCCPM  
 R.F. Code, AM, Ph D (UTM)  
 R.C. Desai, B Sc, Ph D  
 T.E. Drake, M Sc, Ph D  
 J.R. Drummond, MA, D Phil, FRSC  
 D.J. Dunlop, MA, Ph D, FRSC (UTM)  
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 R. List, Dipl Phys ETH, Dr Sc Nat, FRSC  
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### Professor and Chair of the Department

S.R. Julian, B Sc, M Sc, Ph D

### Professor and Associate Chair (Graduate Studies)

W. Trischuk, B Sc, Ph D

### Professor and Associate Chair (Undergraduate Studies)

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 R.J.D. Miller, R.J.D., B Sc, Ph D, FRSC  
 W.R. Peltier, M Sc, Ph D, FRSC

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 R. Teuscher, M Sc, Ph D  
 A.C. Thompson, BS, Ph D  
 K. Walker, B Sc, Ph D  
 J.T. Wei, MS, Ph D

### Associate Professors, Teaching Stream

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 J. Harlow, B Sc, Ph D  
 R.M. Serbanescu, M Sc, Ph D

### Assistant Professors

K. Clarke, Ph D  
 S. Goyal, B Tech, M Sc, Ph D  
 N. Grisouard, B S, M S, Ph D  
 C. Lee, Ph D  
 J.N. Milstein, BS, Ph D (UTM)  
 A. Vutha, Ph D  
 M. Wells, B Sc, Ph D (UTSC)  
 D. Wunch, Ph D  
 A. Zilman, B Sc, M Sc, Ph D

### Assistant Professor, Teaching Stream

A. Meyertholen, Ph D

# Physics

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## Part-Time Lecturers

N. Krasnopolskaia, Ph D  
P. Savaria, M Sc, Ph D

## Introduction

Physics forms the bedrock of our understanding of Nature. Any physical object or process, or even the structure of the whole universe itself, can be the subject of physics. Physicists study an extremely diverse array of systems, from the simplest subatomic particles to the most complex processes found in biological cells or in the Earth's climate. Physics provides a comprehensive set of fundamental tools that can be brought to bear on many problems across a wide variety of fields.

Students can choose between Specialist Programs in Physics or Physics combined with numerous other sciences, as well as Philosophy. In addition, the Physics Major and Minor programs give the student the option of mixing Physics with the nearly limitless array of science and non-science programs available across the University. As well, students have the opportunity to do original research and to undertake independent supervised studies for course credit.

A program in physics has much to offer. Beyond the traditional careers of teaching and research, a knowledge of physics is a powerful asset in professions like Medicine or Law, or for careers involving the environmental, geological or biological sciences. An understanding of physics is essential for those who are concerned about how society is affected by climate change or advanced technology. The conceptual problem-solving tools one acquires as a physicist can be applied with great success to many occupations.

The Physics Specialist Program offers intensive training in all aspects of physics. Courses can be selected in order to emphasize the experimental, theoretical or applied sides of physics. In fourth year, students intending to undertake graduate studies are encouraged to take advanced optional courses. These courses, which reflect the excellence and research diversity of the faculty, are offered in areas such as Relativity, High Energy Physics, Quantum Optics, Condensed Matter, Geophysics and Atmospheric Physics.

The Specialist Program in Biological Physics combines the analytical problem solving skills of the physicist with sound backgrounds in relevant biology and biochemistry. The interface between biology and physics lies at the forefront of the rapidly growing field of quantitative biology.

The Professional Experience Year program ("PEY": see also <http://www.engineeringcareers.utoronto.ca/programs/pey.htm>) is available to eligible, full-time Arts & Science Specialist students after their second year of study. Physics students are encouraged to take advantage of this opportunity to apply their scientific and mathematical skills in a 12-16 month professional internship.

The Departmental website gives detailed information on programs and courses, and describes the operation of the Department and the counseling services available. All students, most particularly those entering first year, are strongly urged to consult the web site before term begins.

Associate Chair (Undergraduate Studies):  
Professor S. Stanley, Room 328, McLennan Physical Laboratories (416-978-6674);  
E-mail address: [ugchair@physics.utoronto.ca](mailto:ugchair@physics.utoronto.ca)

Enquiries:  
Undergraduate Office, Room 301, McLennan Physical Laboratories (416-

978-7057)

E-mail address: [ugcoord@physics.utoronto.ca](mailto:ugcoord@physics.utoronto.ca)

Web site: <http://www.physics.utoronto.ca>

## Physics Programs

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### Physics Specialist (Science Program)

The Physics Specialist Program offers rigorous training in the full spectrum of core physics subfields, as well as their numerous important applications. Practical courses treat the experimental and computational aspects and complement the lecture courses. Physics concerns many of the most fundamental questions in our scientific understanding of the universe. What is the nature of matter and energy at the smallest scales? What are the physical processes that govern the Earth's climate? What is the nature of light and how can it be controlled? How do the collective properties of solids emerge from those of individual atoms? How do biological processes organize themselves to maintain their survival? What is the structure and evolution of the Earth and the other planets? How can quantum information be used for computation? Physics seeks answers to these questions using a combination of theory, computation and precise experimental work, and the results find application across all of science.

Consult the Associate Chair (Undergraduate Studies), Department of Physics.

(13.5 FCE, including at least one full course at the 400 level)

First Year: (2.5 FCE)

(MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1,  
MAT223H1/MAT240H1, PHY131H1/PHY151H1, PHY132H1/PHY152H1

(The courses MAT137Y1, MAT223H1, PHY151H1, PHY152H1 are recommended.)

Second Year : (4.0 FCE)

MAT237Y1/MAT257Y1/MAT235Y1, MAT244H1/MAT267H1, PHY224H1,  
PHY250H1, PHY252H1, PHY254H1, PHY256H1

(The courses MAT237Y1, MAT244H1 are recommended.)

Second or Third Year: (0.5 FCE)

PHY324H1

Third Year: (3.0 FCE)

1. APM346H1, MAT334H1/MAT354H1, PHY350H1, PHY354H1,  
PHY356H1

2. Additional 0.5FCE from PHY-300 level courses/PHY-400 level  
courses/JPE395H1/JPE493H1, excluding JPH311H1,

JPH441H1

Third or Fourth Year: (3.5 FCE)

1. PHY424H1

2. 1.0 FCE from PHY450H1, PHY452H1, PHY454H1, PHY456H1, PHY460H1
3. PHY405H1/PHY407H1/PHY408H1/PHY426H1/PHY478H1. See Note 2.
4. 1.0 FCE, including at least 0.5 FCE at the PHY-400 level, from PHY-300 level courses/PHY-400 level courses/JPE395H1/JPE493H1, excluding JPH311H1, JPH441H1
5. Ethics and Social Responsibility Requirement: The Physics course JPH441H1 meets this requirement as well as any of the following courses:  
ETH201H1/ETH210H1/ETH220H1/HPS200H1/PHL265H1/PHL273H1/PHL275H1/PHL281H1/IMC200H1/VIC172H1/ENV333H1. See Note 3.

#### Notes:

1. Students are encouraged but not required to enrol in the independent study and project courses such as PHY371H1, PHY478H1, etc..
2. PHY479Y1 (Undergraduate Research Project) satisfies Requirement 3 in Third or Fourth Year and counts as 0.5 FCE at the PHY-400 level for Requirement 4 in Third or Fourth Year. Students may use APM351Y1 instead of APM346H1 for Requirement 1 in Third Year.
3. Requirement 5 in Third or Fourth Year represents 0.5 FCE with a significant emphasis on "Ethics and Social Responsibility". Students may use the CR/NCR option towards any of the courses listed in Requirement 5. Another Arts & Science course with a significant emphasis on "Ethics and Social Responsibility" may be substituted subject to approval from the Associate Chair (Undergraduate Studies).
4. The requirement for an integrative, inquiry-based activity is satisfied by the required course PHY424H1.

#### Biological Physics Specialist (Science program)

The Biological Physics specialist program focuses on the physical principles that organize complex biological phenomena. How do cells use chemical energy to generate motion? How does diffusion limit the ability of cells to measure the concentration of chemicals? How do neurons transmit and process information? How does blood flow through a beating heart? Biological Physics deals with problems at the interface of Physics, Molecular Biology, and Physiology, and covers the full range of scales, from the molecular, to the organismic. Students in this program will be trained to think rigorously and quantitatively about a wide range of interdisciplinary problems, will be well prepared to work in a variety of fields such as medicine and biotechnology, and will be ready to undertake graduate work in the fast-emerging field of Biological Physics and its related specialties including Immunology, Physiology, Neuroscience, and Bioengineering..

The program is offered as a partnership between the Departments of Physics, Biochemistry, Chemistry, and Physiology (referred to as "partner departments"). All students take the Core courses in Physics, Mathematics, Biology, Biochemistry, and Chemistry. The Core also includes a specialized course in Biological Physics (PHY331H1) and a third-year laboratory course from one of the partner departments. Students then choose a Stream consisting of additional courses from the partner departments.

Students in the program are encouraged but not required to enroll in an

independent Physics project course (PHY478H1/PHY479Y1) hosted by faculty from any of the partner departments during the program. See Note 1 below.

(14.0 FCE, including at least 1.0 FCE from 400-series courses)

Core Biological Physics Courses (11.5 FCE)

First Year (3.0 FCE)

(CHM138H1/CHM136H1, CHM139H1/CHM135H1)/CHM151Y1, (MAT135H1, MAT136H1)/MAT137Y1,

PHY131H1/PHY151H1, PHY132H1/PHY152H1 (PHY151H1, PHY152H1 recommended)

First or Second Year (1.0 FCE)

BIO130H1, MAT223H1

Second Year (3.0 FCE)

BCH210H1, (MAT235Y1/MAT237Y1), MAT244H1, PHY250H1, PHY252H1

Second or Third Year (0.5FCE)

BIO230H1/BIO255H1

Third Year (2.0 FCE)

PHY224H1, PHY254H1, PHY256H1, PHY354H1

Third or Fourth Year (2.0 FCE):

1. PHY331H1

2. PHY324H1/BCH370H1/CHM327H1/PSL372H1

3. 1.0 FCE: Additional courses, including at least 0.5 FCE at the 400 level, from APM346H1/MAT334H1/MAT354H1/PHY-300 level courses/PHY-400 level courses.

Integrative, Inquiry-Based Activity Requirement

The choices in the program must satisfy the requirement for an integrative, inquiry-based activity by including at least one of the following courses: IMM435H1, PHY371Y1, PHY372H1, PHY396Y0, PHY397Y0, PHY398H0, PHY399Y0, PHY407H1, PHY424H1, PHY426H1, PHY428H1, PHY429H1, PHY471Y1, PHY472H1, PHY478H1, PHY479H1, PSL304H, PSL305H, and PSL372H1

Streams (2.5 FCE)

Students wishing to receive advanced training in Life Sciences as part of their program should opt for one of the Biochemistry, Immunology or Physiology Streams. Students wishing to receive advanced training in Physics with a more limited training in Life Sciences should opt for the Life Science and Advanced Physics Stream.

Biochemistry Stream:

1. BCH311H1, BCH340H1

2. 1.5 FCE from BCH370H1/BCH400-level BCH courses. Excludes BCH472Y1, BCH473Y1, BCH478H1, BCH479H1

# Physics

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## Immunology Stream:

1. BIO230H1, IMM341H1, IMM351H1 (Students in the Biological Physics Specialist Immunology Stream are permitted to take BIO230H1 as a co-requisite to IMM341H1, instead of as a prerequisite, by permission of the Department of Immunology)

2. 1.0 FCE from IMM400-level courses.

## Physiology Stream:

1. PSL300H1, PSL301H1

2. 1.5 FCE, including at least 0.5 FCE at the 400 level, from PSL304H1/PSL305H1/PSL372H1/PSL400-level courses

## Advanced Physics Stream:

1. (BCH311H1, BCH340H1)/(PSL300H1, PSL301H1)

2. PHY431H1 and 1.0 FCE from additional courses from APM346H1/MAT334H1/MAT354H1/PHY300-level courses /PHY 400-level courses/JPE395H1/JPE493H1

## Notes:

Students are encouraged but not required to enroll in the independent project courses PHY478H1/PHY479Y1. These students may be supervised by faculty in the Departments of Physics, Biochemistry, Chemistry, Immunology, and Physiology. Students are required to have a B average in the program courses, identify a supervisor, and consult the Associate Chair of Physics (Undergraduate Studies) before enrolling in PHY478H1/PHY479Y1.

Students might wish to enroll in 300- and 400-level courses in the partner life science departments that are not listed above. These students will need approval to take these courses from the Associate Chair (Undergraduate Studies) prior to enrollment in the course.

On approval of the Department of Physics, students who enroll in CHM222H1/CHM225Y1 will not have to take PHY252H1. PHY 252H1 is required for the Life Science and Advanced Physics Stream.

## Physics and Philosophy Specialist (Science Program)

Physics has deep historical roots in natural philosophy and many aspects of contemporary Physics raise profound philosophical questions about the nature of reality. The interdisciplinary Physics and Philosophy Program allows the student to engage with both Physics and Philosophy at their deepest levels, and to more fully explore the connections between them.

Consult Associate Chair (Undergraduate Studies), Department of Physics or Philosophy.

(16.0 full courses or their equivalent, including at least 2.0 full courses at the 400 level)

First Year: (3.5 FCE)

(MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1, MAT223H1/MAT240H1, PHY131H1/PHY151H1, PHY132H1/PHY152H1, PHL100Y1

(The courses MAT137Y1, MAT223H1, PHY151H1, PHY152H1 are recommended.)

Second Year: (3.5 FCE)

MAT237Y1/MAT257Y1/MAT235Y1, MAT244H1/MAT267H1, PHY250H1, PHY254H1, PHY256H1, HPS250H1

(The courses MAT237Y1, MAT244H1 are recommended.)

Third Year: (2.5 FCE)

MAT334H1/MAT354H1, PHY252H1, PHY354H1, PHY350H1, PHY356H1

Fourth Year: (1.5 FCE)

PHY456H1, (PHY483H1/PHY452H1), PHY491H1

Any Year: (5.0 FCE)

PHL245H1, (PHL345H1/PHL347H1/PHL348H1/PHL349H1), PHL355H1, PHL356H1, (PHL415H1/PHL482H1), plus 2.5 FCE additional PHL courses, including at least 0.5 at the 300+ level

## Physics Major (Science Program)

(7.5 FCE including at least 2.0 FCE at the 300+ level, with at least 0.5 FCE at the 400 level)

A Physics Major program is appropriate for students interested in a more flexible and diverse undergraduate physics program. A Physics Major may be tailored to be a natural counterpart to a second Major in mathematics, astronomy, computer science, environmental science, geology or the life sciences. Students should consult the Associate Chairs (Undergraduate Studies) of Physics and the respective departments for advice on course selections.

First Year: (2.0 FCE)

(MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1, PHY131H1/PHY151H1, PHY132H1/PHY152H1

Second Year: (3.0 FCE)

1. MAT235Y1/MAT237Y1/MAT257Y1, MAT223H1/MAT240H1, PHY224H1

2. 1.0 FCE from PHY231H1, PHY331H1, PHY250H1, PHY252H1, PHY254H1, PHY256H1

Third Year: (2.5 FCE)

1. MAT244H1/MAT267H1, PHY324H1/PHY405H1/PHY407H1/PHY408H1

2. 1.5 FCE, including at least 0.5 FCE at the PHY400 level, from APM346H1/MAT334H1/MAT354H1; PHY-300 level courses/PHY-400 level courses/JPE395H1/JPE493H1, excluding JPH311H1, JPH441H1

## Notes:

1. The Physics Major program is not designed primarily for students intending to pursue graduate studies in Physics. Such students should consider the Physics Specialist or one of the joint Specialist programs.

2. Students are expected to take an Arts & Science course with a significant emphasis on "Ethics and Social Responsibility". The Physics course JPH441H1 can count towards this as well as other Arts & Science courses such as ETH201H1/ETH210H1/ETH220H1/HPS200H1/PHL265H1/PHL273H1/PHL275H1/PHL281H1/IMC200H1/VIC172H1/ENV333H1. Students may use the CR/NCR option towards these courses. Other courses satisfying



this requirement may be substituted subject to approval by the Associate Chair (Undergraduate Studies).

## Physics Minor (Science Program)

(4.0 FCE)

First Year: (1.0 FCE)

PHY131H1/PHY151H1, PHY132H1/PHY152H1

Second Year: (2.0 FCE)

1. PHY224H1

2. 1.5 FCE from PHY231H1, PHY250H1, PHY252H1, PHY254H1, PHY256H1

Third Year: (1.0 FCE)

1. PHY324H1.

2. 0.5 FCE from: APM346H1/MAT334H1/MAT354H1; PHY-300 level course/PHY-400 level course/JPE395H1/JPE493H1, excluding JPH311H1, JPH441H1

### Note: Program Name Change for 2014-2015

In 2014-2015, this program was renamed *Physics Minor* to replace the name *Physics "Core" Minor*.

See Geophysics Specialist in the Earth Sciences section.

See Astronomy and Physics Specialist in the Astronomy and Astrophysics section.

See Chemical Physics Specialist in the Chemistry section.

See Mathematics and Physics Specialist in the Mathematics section.

## Physics Courses

### Note

More detailed and current information on courses is available through the Physics Department website. Many course numbers have changed in recent years: check the course descriptions and exclusions below for course equivalencies. Pre- and co-requisites are strictly enforced and may only be waived in special circumstances. Students should consult the Physics Associate Chair (Undergraduate Studies) with questions about pre- and co-requisites prior to the beginning of term if they are requesting a waiver. Students without the required pre- and co-requisites will be removed from courses.

### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### PHY100H1 The Magic of Physics [24L/12T]

This course provides a survey of Physics, including both Classical and Modern Physics. It is designed for non-scientists, and assumes no background in either science or mathematics. The approach to the course is broad rather than deep. We will concentrate on the concepts underlying such fascinating topics as planetary motion, chaos, the nature of light, time travel, black holes, matter waves, Schrodinger's cat, quarks, and climate change. We will uncover the wonders of the classical and the quantum worlds courtesy of Galileo, Newton, Maxwell, Einstein, Heisenberg and many others.

(PHY100H1 is primarily intended as a Breadth Requirement course for students in the Humanities and Social Science)

Exclusion: PHY131H1/PHY132H1/PHY151H1/PHY152H1 taken previously or concurrently

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### PHY101H1 Emergence in Nature [24L/12T]

The universe is not a rigid clockwork, but neither is it formless and random. Instead, it is filled with highly organized, evolved structures that have somehow emerged from simple rules of physics. Examples range from the structure of galaxies to the pattern of ripples on windblown sand, to biological and even social processes. These phenomena exist in spite of the universal tendency towards disorder. How is this possible? Self-organization challenges the usual reductionistic scientific method, and begs the question of whether we can ever really understand or predict truly complex systems.

PHY101H1 is primarily intended as a Breadth Requirement course for students in the Humanities and Social Sciences.

Exclusion: PHY131H1/PHY132H1/PHY151H1/PHY152H1 taken previously or concurrently

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### PHY131H1 Introduction to Physics I [24L/20P]

A first university physics course primarily for students not intending to pursue a Specialist or Major program in Physical or Mathematical Sciences. Topics include: classical kinematics & dynamics, momentum, energy, force, friction, work, power, angular momentum, oscillations, waves, sound.

Prerequisite: MCV4U Calculus & Vectors / MHF4U Functions & Calculus  
Corequisite: MAT135H1/MAT137Y1/MAT157Y1

Exclusion: PHY151H1

Recommended Preparation: SPH4U Physics and SCH4U Chemistry

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### PHY132H1 Introduction to Physics II [24L/20P]

The second university physics course primarily for students not intending to pursue a Specialist or Major program in Physical or Mathematical Sciences. Topics include: electricity, magnetism, light, optics, special relativity.

Prerequisite: PHY131H1/PHY151H1

Corequisite: MAT136H1/MAT137Y1/MAT157Y1

Exclusion: PHY152H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

# Physics

## **PHY151H1 Foundations of Physics I [36L/30P]**

The first physics course in many of the Specialist and Major Programs in Physical Sciences. It provides an introduction to the concepts, approaches and tools the physicist uses to describe the physical world while laying the foundation for classical and modern mechanics. Topics include: mathematics of physics, energy, momentum, conservation laws, kinematics, dynamics, and special relativity.

Prerequisite: MCV4U Calculus & Vectors / MCB4U Functions & Calculus; SPH4U Physics

Corequisite: MAT137Y1/MAT157Y1

Exclusion: PHY131H1/PHY110Y1/PHY138Y1/PHY140Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY152H1 Foundations of Physics II [36L/30P]**

The concept of fields will be introduced and discussed in the context of gravity and electricity. Topics include rotational motion, oscillations, waves, electricity and magnetism.

Prerequisite: PHY131H1/PHY151H1/PHY180H1

Corequisite: MAT137Y1/MAT157Y1

Exclusion: PHY132H1/PHY110Y1/PHY138Y1/PHY140Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **200-SERIES COURSES**

ALL 200-series PHY courses except the breadth courses PHY201H1 and PHY205H1 require (MAT135H1,MAT136H1)/MAT137Y1/MAT157Y1 as a prerequisite.

### **PHY201H1 Concepts of Physics [24L/12T]**

A conceptual overview of some of the most interesting advances in physics and the intellectual background in which they occurred. The interrelationship of the actual practice of physics and its cultural and intellectual context is emphasized.

PHY201H1 is primarily intended as a Breadth Requirement course for students in the Humanities and Social Sciences

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### **PHY202H1 The Physics of Science Fiction and Gaming [24L/12T]**

The physics of time travel, teleportation, levitation, invisibility, special effects, and other physics related topics found in literature, film, and gaming. The course will analyze the realism of physical phenomena in these media, and consider the impact of these concepts on science and society.

PHY202H1 is primarily intended as a Breadth Requirement course for students in the Humanities and Social Sciences.

Exclusion: PHY131H1/PHY132H1/PHY151H1/PHY152H1 taken previously or concurrently.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### **PHY205H1 The Physics of Everyday Life [24L/12T]**

An introduction to the physics of everyday life. This conceptual course looks at everyday objects to learn about the basis for our modern technological world. Topics may include anything from automobiles to weather.

PHY205H1 is primarily intended as a Breadth Requirement course for students in the Humanities and Social Sciences.

Exclusion: PHY131H1/PHY132H1/PHY151H1/PHY152H1 or equivalent, taken previously or concurrently

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### **IVP210H1 Holography for 3D Visualization (formerly JOP210H1) [24L/36P]**

An introduction to the theory and practice of holography. Human perception & 3D visualization; fundamentals of 3D modeling; ray and wave optics; interference, diffraction, coherence; transmission and reflection holograms; colour perception; stereograms. Applications of holography in art, medicine, and technology. Computer simulation, design, and construction of holograms.

Exclusion: JOP210H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### **PHY224H1 Practical Physics I [72P]**

Develops the core practical experimental and computational skills necessary to do physics. Students tackle simple physics questions involving mathematical models, computational simulations and solutions, experimental measurements, data and uncertainty analysis.

Prerequisite: PHY132H1/PHY152H1

Corequisite: PHY231H1/PHY250H1/PHY252H1/PHY254H1/PHY256H1/ENV235H1

Exclusion: PHY225H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### **PHY231H1 Physics of Living Systems [24L/18P]**

An introductory course for students interested in understanding the physical phenomena occurring in biological systems and the applications of physics in life sciences. Topics may include physical processes inside living cells and systems, medical physics and imaging.

Prerequisite: PHY132H1/PHY152H1,(MAT135H1,MAT136H1)/MAT137Y1/MAT157Y1

Exclusion: PHY238YH1

Recommended Preparation: BIO130H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### **PHY250H1 Electricity and Magnetism [24L/12T]**

An introductory course in Electromagnetism. Topics include: Point charges, Coulomb's law, electrostatic field and potential, Gauss's Law, conductors, electrostatic energy, magnetostatics, Ampere's Law, Biot-Savart Law, the Lorentz Force Law, Faraday's Law, Maxwell's equations in free space.

Prerequisite: PHY132H1/PHY152H1

Corequisite: MAT235Y1/MAT237Y1/MAT257Y1

Exclusion: PHY238Y1,PHY251H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### **PHY252H1 Thermal Physics [24L/12T]**

The quantum statistical basis of macroscopic systems; definition of entropy in terms of the number of accessible states of a many particle system leading to simple expressions for absolute temperature, the canonical distribution, and the laws of thermodynamics. Specific effects of quantum statistics at high densities and low temperatures.

Prerequisite: PHY132H1/PHY152H1

Corequisite: MAT235Y1/MAT237Y1/MAT257Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY254H1 Mechanics: From Oscillations to Chaos [24L/12T]**

The course analyzes the linear, nonlinear and chaotic behaviour of classical mechanical systems such as harmonic oscillators, rotating bodies, and central field systems. The course will develop the analytical and numerical tools to solve such systems and determine their basic properties. The course will include mathematical analysis, numerical exercises using Python, and participatory demonstrations of mechanical systems.

Prerequisite: PHY132H1/PHY152H1 (PHY152H1 recommended)

Corequisite: MAT235Y1/MAT237Y1/MAT257Y1

Exclusion: PHY255H1

Recommended Preparation: MAT244H1,PHY224H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY256H1 Introduction to Quantum Physics [24L/12T]**

Failures of classical physics; the Quantum revolution; Stern-Gerlach effect; harmonic oscillator; uncertainty principle; interference packets; scattering and tunneling in one-dimension.

Prerequisite: PHY132H1/PHY152H1

Corequisite: MAT235Y1/MAT237Y1/MAT257Y1,

(MAT223H1/MAT240H1 recommended)

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY289H1 Physics at the Cutting Edge (Formerly PHY189H1) [36L]**

A limited enrollment seminar course for First Year Science students interested in current research in Physics. Students will meet active researchers studying the universe from the centre of the earth to the edge of the cosmos. Topics may range from string theory to experimental biological physics, from climate change to quantum computing, from superconductivity to earthquakes. The course may involve both individual and group work, essays and oral presentations.

Corequisite: PHY132H1/PHY152H1

Exclusion: PHY189H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY299Y1 Research Opportunity Program**

Credit course for supervised participation in faculty research project.

Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: None

## **300-SERIES COURSES**

Note

Students taking 300-series courses are encouraged to attend the Thursday afternoon Department colloquia.

## **JPH311H1 History of Physics [24L/10T]**

Topics in the history of physics from antiquity to the 20th century, including Aristotelian physics, Galileo, Descartes, electromagnetism, thermodynamics, statistical mechanics, relativity, quantum physics, and particle physics. The development of theories in their intellectual and cultural contexts.

Prerequisite: At least one-half PHY course at university level

Exclusion: HPS311H1

Distribution Requirement Status: Humanities or Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY324H1 Practical Physics II [72P]**

A modular practical course that further develops the core experimental and computational skills necessary to do physics. Modules include: experimental skills building, computational tools in data and uncertainty analysis, and independent experimental projects.

Prerequisite: PHY224H1

Exclusion: PHY225H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY331H1 Introduction to Biological Physics [24L/18P]**

A course for students interested in a deeper understanding of physical phenomena occurring in biological systems. Thermodynamics, diffusion, entropic forces, fluids, biological applications.

Prerequisite: PHY252H1/CHM222H1/CHM225Y1,

PHY231H1/PHY250H1/PHY254H1/PHY256H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY350H1 Electromagnetic Theory [24L/12T]**

This course builds upon the knowledge and tools developed in PHY250H1. Topics include: solving Poisson and Laplace equations via method of images and separation of variables, multipole expansion for electrostatics, atomic dipoles and polarizability, polarization in dielectrics, multipole expansion in magnetostatics, magnetic dipoles, magnetization in matter, Maxwell's equations in matter, conservation laws in electrodynamics, and electromagnetic waves.

Prerequisite: MAT223H1/MAT240H1, MAT244H1/MAT267H1,

MAT235Y1/MAT237Y1/MAT257Y1, PHY250H1, PHY254H1

Exclusion: PHY352H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY354H1 Classical Mechanics [24L/12T]**

Symmetry and conservation laws, stability and instability, generalized coordinates, Hamilton's principle, Hamilton's equations, phase space, Liouville's theorem, canonical transformations, Poisson brackets, Noether's theorem.

Prerequisite: MAT244H1/MAT267H1, PHY254H1

Exclusion: PHY351H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY356H1 Quantum Mechanics I [24L/12T]**

The general structure of wave mechanics; eigenfunctions and eigenvalues; operators; orbital angular momentum; spherical harmonics; central potential; separation of variables; hydrogen atom; Dirac notation; operator methods; harmonic oscillator and spin.

Prerequisite: MAT223H1/MAT240H1, PHY250H1,

PHY256H1/(CHM222H1,CHM223H1)/CHM225Y1, (PHY256H1 recommended)

Corequisite: MAT244H1

Exclusion: CHM326H1, PHY355H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

# Physics

## **PHY357H1 Nuclear and Particle Physics [24L/12T]**

The subatomic particles; nuclei, baryons and mesons, quarks, leptons and bosons; the structure of nuclei and hadronic matter; symmetries and conservation laws; fundamental forces and interactions, electromagnetic, weak, and strong; a selection of other topics: CP violation, nuclear models, standard model, proton decay, supergravity, nuclear and particle astrophysics. This course is not a prerequisite for any PHY400-level course.

Prerequisite: PHY356H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY358H1 Atoms, Molecules and Solids [24L/12T]**

Quantum theory of atoms, molecules, and solids; variational principle and perturbation theory; hydrogen and helium atoms; exchange and correlation energies; multielectron atoms; simple molecules; bonding and antibonding orbitals; rotation and vibration of molecules; crystal binding; electron in a periodic potential; reciprocal lattice; Bloch's theorem; nearly-free electron model; Kronig-Penney model; energy bands; metals, semiconductors, and insulators; Fermi surfaces. This course is not a prerequisite for any PHY400-level course.

Prerequisite: PHY356H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY371Y1 Supervised Study in Physics**

An individual study program chosen by the student with the advice of, and under the direction of, a staff member. A student may take advantage of this course either to specialize further in a field of interest or to explore interdisciplinary fields not available in the regular syllabus. Consult the department web pages for some possible topics. This course may also be available in the summer. Not eligible for CR/NCR option.

Prerequisite: Consult the Physics Associate Chair (Undergraduate Studies)

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY372H1 Supervised Study in Physics**

An individual study program chosen by the student with the advice of, and under the direction of, a staff member. A student may take advantage of this course either to specialize further in a field of interest or to explore interdisciplinary fields not available in the regular syllabus. Consult the department web site for some possible topics. This course may also be available in the summer. Not eligible for CR/NCR option.

Prerequisite: Consult the Physics Associate Chair (Undergraduate Studies)

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY385H1 Introductory Optics [24L/20P]**

An introduction to the physics of light. Topics covered include: electromagnetic waves and propagation of light; the Huygens and Fermat principles; geometrical optics and optical instruments; interference of waves and diffraction; polarization; introduction to photons, lasers, and optical fibers.

Prerequisite: PHY250H1, PHY254H1

Exclusion: ECE318H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY392H1 Physics of Climate [24L]**

This course provides an introduction to climate physics and the earth-atmosphere-ocean system. Topics include solar and terrestrial radiation; global energy balance; radiation laws; radiative transfer; atmospheric structure; convection; the meridional structure of the atmosphere; the general circulation of the atmosphere; the ocean and its circulation; and climate variability.

Prerequisite: PHY231H1/PHY250H1,

MAT235Y1/MAT237Y1/MAT257Y1

Exclusion: PHY315H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **JPE395H1 Physics of the Earth (Formerly PHY395H1) [24L]**

Designed for students interested in the physics of the Earth and the planets. Study of the Earth as a unified dynamic system; determination of major internal divisions in the planet; development and evolution of the Earth's large scale surface features through plate tectonics; the age and thermal history of the planet; Earth's gravitational field and the concept of isostasy; mantle rheology and convection; Earth tides; geodetic measurement techniques, in particular modern space-based techniques.

Prerequisite: PHY132H1/PHY152H1/PHY180H1/MIE100H1,

MAT235Y1/MAT237Y1/MAT291H1/AER210H1,

PHY254H1/PHY293H1/MAT244H1/MAT290H1/MAT292H1

Exclusion: PHY359H1, PHY395H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY396Y0 Research Topic Abroad [TBA]**

Course credit for research or field studies abroad under the supervision of a faculty member. Not eligible for CR/NCR option.

Prerequisite: At least 8.5 FCEs and no more than 14.0 FCEs

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY397Y0 Exchange Research Project Abroad [TBA]**

Course credit for research or field studies abroad under the supervision of a faculty or staff member from an exchange institution. Consult the Physics Department web pages for information about opportunities. Not eligible for CR/NCR option.

Prerequisite: Consult the Physics Associate Chair (Undergraduate Studies)

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY398H0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: None

## **PHY399Y0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: None

## **400-SERIES COURSES**

Note

Students taking 400-series courses are encouraged to attend Thursday

afternoon Department colloquia.

## **PHY405H1 Electronics Lab [12L/36P]**

Electrical circuits, networks and devices are all-pervasive in the modern world. This laboratory course is an introduction to the world of electronics. Students will learn the joys and perils of electronics, by designing, constructing and debugging circuits and devices. The course will cover topics ranging from filters and operational amplifiers to micro-controllers, and will introduce students to concepts such as impedance, transfer functions, feedback and noise. The course will include lectures, assigned readings, and a final circuit project.

Prerequisite: PHY224H1, PHY250H1. PHY405H1 may be taken in third or fourth year

Exclusion: PHY305H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY407H1 Computational Physics [12L/36P]**

This is an introduction to scientific computing in physics. Students will be introduced to computational techniques used in a range of physics research areas. By considering selected physics topics, students will learn computational methods for function analysis, ODEs, PDEs, eigenvalue problems, non-linear equations and Monte Carlo techniques. A physicist's "computational survival toolkit" will also be developed to introduce students to topics such as command line programming, bash scripting, debugging, solution visualization, computational efficiency and accuracy. The course is based on python and will involve working on a set of computational labs throughout the semester as well as a final project.

Prerequisite: PHY224H1/PHY254H1

Corequisite: Any PHY300-level lecture course in Physics. PHY407H1 may be taken in third or fourth year

Exclusion: PHY307H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY408H1 Time Series Analysis [12L/24P]**

The analysis of digital sequences; filters; the Fourier Transform; windows; truncation effects; aliasing; auto and cross-correlation; stochastic processes, power spectra; least squares filtering; application to real data series and experimental design.

Prerequisite: PHY407H1/PHY224H1/PHY250H1/PHY254H1/PHY324H1 . PHY408H1 may be taken in third or fourth year

Corequisite: Any third-year lecture course in Physics

Exclusion: PHY308H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY424H1 Advanced Physics Laboratory [72P]**

Experiments in this course are designed to form a bridge to current experimental research. A wide range of exciting experiments relevant to modern research in physics is available. The laboratory is open from 9 a.m. - 5 p.m., Monday to Friday.

Prerequisite: PHY250H1, PHY256H1, PHY324H1

Exclusion: PHY326H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY426H1 Advanced Practical Physics I [72P]**

This course is a continuation of PHY424H1, but students have more freedom to progressively focus on specific areas of physics, do extended experiments, projects, or computational modules.

Prerequisite: PHY424H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY428H1 Advanced Practical Physics II [72P]**

This course is a continuation of PHY426H1, but students have more freedom to progressively focus on specific areas of physics, do extended experiments, projects, or computational modules.

Prerequisite: PHY426H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY429H1 Advanced Practical Physics III [72P]**

This course is a continuation of PHY428H1, but students have more freedom to progressively focus on specific areas of physics, do extended experiments, projects, or computational modules.

Prerequisite: PHY428H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY431H1 Topics in Biological Physics [24L/12T]**

An introduction to the physical phenomena involved in the biological processes of living cells and complex systems. Models based on physical principles applied to cellular processes will be developed. Biological computational modeling will be introduced.

Prerequisite: PHY250H1, PHY252H1/CHM222H1/CHM225Y1, PHY331H1

Exclusion: PHY346H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **JPH441H1 Physical Science in Contemporary Society [24S]**

Complex nature of the scientific method; connection between theory, concepts and experimental data; insufficiency of reductionism; characteristics of pathological and pseudo-science; public perception and misperception of science; science and public policy; ethical issues; trends in modern science.

Prerequisite: PHY224H1/PHY250H1/PHY252H1/PHY254H1/PHY256H1 /ENV235H1, or by permission of the instructor.

Exclusion: PHY341H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **PHY450H1 Relativistic Electrodynamics [24L/12T]**

The course illustrates, using classical electromagnetism, how symmetry principles and scaling arguments combine to determine the basic laws of physics. It is shown that the electromagnetic action (from which follow the equations of motion) is uniquely fixed by the principles of special relativity, gauge invariance, and locality. Additional topics include motion of relativistic particles in external electric and magnetic fields, radiation from point charges, and the breakdown of classical electromagnetism.

Prerequisite: PHY350H1

Exclusion: PHY353H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

# Physics

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## **PHY452H1 Statistical Mechanics [24L]**

Classical and quantum statistical mechanics of noninteracting systems; the statistical basis of thermodynamics; ensembles, partition function; thermodynamic equilibrium; stability and fluctuations; formulation of quantum statistics; theory of simple gases; ideal Bose and Fermi systems.

Prerequisite: PHY252H1, PHY256H1

Exclusion: PHY480H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY454H1 Continuum Mechanics [24L/12T]**

The theory of continuous matter, including solid and fluid mechanics. Topics include the continuum approximation, dimensional analysis, stress, strain, the Euler and Navier-Stokes equations, vorticity, waves, instabilities, convection and turbulence.

Prerequisite: PHY254H1, MAT235Y1/MAT237Y1/MAT257Y1, APM346H1/APM351Y1

Exclusion: PHY459H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY456H1 Quantum Mechanics II [24L/12T]**

Quantum dynamics in Heisenberg and Schrödinger pictures; WKB approximation; variational method; time-independent perturbation theory; spin; addition of angular momentum; time-dependent perturbation theory; scattering.

Prerequisite: PHY356H1

Exclusion: PHY457H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY460H1 Nonlinear Physics [36L]**

The theory of nonlinear dynamical systems with applications to many areas of physics. Topics include stability, bifurcations, chaos, universality, maps, strange attractors and fractals. Geometric, analytical and computational methods will be developed.

Prerequisite: PHY354H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **Note**

Students are required to consult the Physics Associate Chair (Undergraduate Studies) before enrolling in PHY471Y1/PHY472H1, PHY478H1/PHY479Y1.

## **PHY471Y1 Supervised Study in Physics**

An individual study program chosen by the student with the advice of, and under the direction of, a staff member. A student may take advantage of this course either to specialize further in a field of interest or to explore interdisciplinary fields not available in the regular syllabus. Consult the department web pages for some possible topics. This course may also be available in the summer. Not eligible for CR/NCR option.

Prerequisite: Consult the Physics Associate Chair (Undergraduate Studies).

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY472H1 Supervised Study in Physics**

An individual study program chosen by the student with the advice of, and under the direction of, a staff member. A student may take advantage of this course either to specialize further in a field of interest or to explore interdisciplinary fields not available in the regular syllabus. Consult the department web pages for some possible topics. This course may also be available in the summer. Not eligible for CR/NCR option.

Prerequisite: Consult the Physics Associate Chair (Undergraduate Studies).

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY478H1 Undergraduate Research Project**

An individual experimental or theoretical research project undertaken with the advice of, and under the direction of, a staff member. A student may take advantage of this course either to specialize further in a field of interest or to explore independent research. Consult the department web site for some possible topics. This course may also be available in the summer. Not eligible for CR/NCR option.

Prerequisite: Consult the Physics Associate Chair (Undergraduate Studies)

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY479Y1 Undergraduate Research Project**

An individual experimental or theoretical research project undertaken with the advice of, and under the direction of, a faculty member. A student may take advantage of this course either to specialize further in a field of interest or to explore independent research. Consult the department web site for possible topics. This course may also be available in the summer. Not eligible for CR/NCR option.

Prerequisite: Consult the Physics Associate Chair (Undergraduate Studies)

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **FOURTH-YEAR OPTIONAL ADVANCED PHYSICS COURSES**

### **Note**

The Department of Physics offers senior undergraduate students a set of specialized optional courses. NONE of these courses are required to complete a Specialist Program in Physics but taking several of these courses is recommended strongly to students wishing to pursue graduate studies. Most Optional Advanced Courses are offered every year, but some are not. Please check the Physics Department website for current offerings.

It is the student's responsibility to ensure they have adequate preparation for any of the Optional Advanced courses. Please contact the course instructor or the Physics Associate Chair (Undergraduate Studies) for more information.

## **PHY483H1 Relativity Theory I [24L]**

Basis of Einstein's theory: differential geometry, tensor analysis, gravitational physics leading to General Relativity. Theory starting from solutions of Schwarzschild, Kerr, etc.

Prerequisite: PHY350H1, PHY354H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY484H1 Relativity Theory II [24L]**

Applications of General Relativity to Astrophysics and Cosmology. Introduction to black holes, large-scale structure of the universe.

Prerequisite: PHY483H1

Recommended Preparation: APM346H1/APM351Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY485H1 Laser Physics [24L]**

This course, which is intended to be an introduction to research in optical sciences, covers the statistics of optical fields and the physics of lasers.

Topics include the principles of laser action, laser cavities, properties of laser radiation and its propagation, the diffraction of light, and spatial and temporal coherence.

Prerequisite: PHY350H1, PHY356H1, PHY385H1/ECE318

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY487H1 Condensed Matter Physics [24L]**

Introduction to the concepts used in the modern treatment of solids. The student is assumed to be familiar with elementary quantum mechanics.

Topics include: crystal structure, the reciprocal lattice, crystal binding, the free electron model, electrons in periodic potential, lattice vibrations, electrons and holes, semiconductors, metals.

Prerequisite: PHY356H1, PHY252H1, PHY250H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY489H1 Introduction to High Energy Physics [24L]**

This course introduces the basics of fundamental particles and the strong, weak and electromagnetic forces that govern their interactions in the Standard Model of particle physics. Topics include relativistic kinematics, conservation laws, particle decays and scattering processes, with an emphasis on the techniques used for calculating experimental observables.

Prerequisite: PHY354H1, PHY356H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY491H1 Current Interpretations of Quantum Mechanics [24L/12T]**

Review of conventional, textbook quantum mechanics. Formal measurement theory and wave function collapse; quantum states and nonseparability, violation of local causality; Bell theorems; quantum tricks; decoherence and the emergence of classical behaviour. Hidden variables; deBroglie-Bohm theory and generalizations; many-worlds interpretation and other theories of beables. Consistent histories approach of Omnes and Gell-Mann and Hartle; nature of True and Reliable statements.

Prerequisite: PHY456H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY492H1 Advanced Atmospheric Physics [24L]**

A preparatory course for research in experimental and theoretical atmospheric physics. Content will vary from year to year. Themes may include techniques for remote sensing of the Earth's atmosphere and surface; theoretical atmosphere-ocean dynamics; the physics of clouds, precipitation, and convection in the Earth's atmosphere.

Exclusion: PHY498H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **JPE493H1 Seismology (Formerly PHY493H1) [24L]**

Why do earthquakes occur and how are they related to tectonic motion of the Earth's surface? What is the physics behind the propagation of seismic waves through the Earth, and how can it be used to determine the internal structures of the Earth? This introductory course is aimed at understanding the physics behind seismic wave propagation, as well as asymptotic and numerical solutions to the elastodynamic equation. Travel time and amplitude of seismic waves are discussed based on seismic ray theory, while numerical methods are introduced to obtain accurate solutions to more complex velocity structures. Seismic tomographic methods, including their applications to hydrocarbon reservoir imaging, are also covered.

Prerequisite: JPE395H1, APM346H1/APM351Y1

Exclusion: PHY493H1

Recommended Preparation: ESS345H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY494H1 Geophysical Imaging: EM and Potential Fields [24L]**

How to investigate Earth structure at depths ranging from metres to tens of kilometres using gravity, magnetic, electrical, electromagnetic and nuclear geophysical methods. Current methodologies and the theoretical basis for them are presented.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PHY495H1 Research Topic in Geophysics [24L]**

A research project done in consultation with an individual staff member on a geophysics-related topic leading to a detailed written report and oral presentation. The course will also involve weekly lectures where the student will be introduced to various geophysical research methods and current research topics in geophysics. Not eligible for CR/NCR option.

Corequisite: PHY395H1/PHY493H1/PHY494H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## Faculty

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### Professors Emeriti

U. Ackermann, PhD  
H.L. Atwood, PhD, DSc, FRSC  
P. Backx, PhD  
J.R.G. Challis, PhD, DSc, FIBiol, FRCOG, FRSC  
M.P. Charlton, PhD  
J. Dostrovsky, PhD  
P.E. Hallett, MD  
A.A. Horner, PhD  
D.R. McLachlan, MD, FRCP(C)  
K. Norwich, MD, PhD  
M. Percy, PhD  
M. Radomski, PhD  
H. Sonnenberg, PhD  
A.M-F. Sun, PhD  
M. Vranic, MD, DSc, FRCP(C), FRSC  
J.M. Wojtowicz, PhD

### Professor and Chair of the Department

G.L. Collingridge, FRS, FMedSci, FSB, FBPhS

### Professors

G.H. Anderson, PhD  
D. Bagli, MDCM, FRCSC, FAAP, FACS  
C.E. Bear, PhD  
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D. Belsham, PhD  
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I.G. Fantus, MD, FRCP(C)  
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Z. Jia, PhD  
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M. Liu, MD, MSc

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M.W. Salter, MD, PhD, FRSC  
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J.W. Scholey, MD, FRCP(C)  
Z. Seltzer, DMD  
B.J. Sessle, MDS, PhD  
F. Skinner, MA, Sc, PhD  
E.F. Stanley, PhD  
S. Thomas, PhD  
W.S. Trimble, PhD  
D. Tweed, PhD  
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M. Wheeler, PhD  
C. Wittnich, DVM, MSc  
H. Zhang, MD, PhD  
M. Zhen, PhD  
M. Zhuo, PhD

### Associate Professors

V. S. Chauhan, MD, FRCPC  
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N. Ferguson, MD, FRCPC  
P. Frankland, PhD  
A. Gramolini, PhD  
S. Heximer, PhD  
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A. Jurisicova, PhD  
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J. Min, PhD  
P.P. Monnier, PhD, MBA  
H. Mount, PhD  
D. Ng, PhD, MD, FRCP(C)  
S. Prescott, MD, PhD  
I. Rogers, PhD  
S. Sugita, MA, PhD  
H.S. Sun, MD, PhD.  
N. Sweezey, MD  
V. Watt, PhD

### Assistant Professors

B. Cox, PhD  
P. McGowan, PhD  
C. Nostro, PhD  
C. O'Brien, MD, PhD  
A. Ramsey, PhD  
J.V. Rocheleau, PhD  
P. Subbarao, MD



A. Velumian, PhD  
X.-Y. Wen, MD, PhD

## Associate Professors, Teaching Stream

M. French, PhD  
N. Kee, PhD  
C. Perumalla, MSc, DPhil

## Introduction

Physiology is the study of living matter in action. It integrates physical and life science disciplines in order to understand body functions and the origins of disease. Beyond the study of control mechanisms, compensations, and cooperation among body molecules, cells, tissues and organs, the interaction between the body's external and internal environments is a key theme in Physiology. Most importantly, Physiology unifies the life sciences from molecule to organism, providing the link from genomics and molecular signaling pathways to behaviour and disease. Emerging fields for physiologists are the analysis of the functional implications of genomic sequence variation, developmental factors leading to chronic illness, and novel approaches for regenerative medicine.

Biological function -- of molecules, cells, and organs -- is at the heart of Physiology, and this knowledge is fundamental to the life sciences in general. Accordingly, Physiology provides an excellent and often necessary background for subsequent training in Medicine, Dentistry, Pharmacy, Nursing, Physical or Occupational Therapy, and other health-related professions. It is also excellent preparation for graduate work in Physiology and related areas; or for the teaching of Biological Science in secondary schools. Physiologists are needed in hospitals and departments of medicine as teachers and research personnel. Other outlets would be in agriculture and veterinary medicine, in military research establishments and in life science-based industry. The development of air and space travel, the exploration of the continental shelf, the development of Northern regions, and increased emphasis on exercise and fitness, all provide business and research opportunities for the person trained in Physiology.

Physiology at the research level covers a variety of specialties (e.g. Endocrinology, Cardiovascular Physiology, Neurophysiology, Respiratory Physiology, Reproductive Physiology, Sensory Physiology), each with a wide variety of technical and analytical methods. More information is available on the departmental website ([www.physiology.utoronto.ca](http://www.physiology.utoronto.ca)).

Undergraduate Coordinator: Dr. M.B. French, Medical Sciences Building, Room 3368 (416-978-8712)

Undergraduate Assistant: Eva Eng, Medical Sciences Building, Room 3209, [eva.eng@utoronto.ca](mailto:eva.eng@utoronto.ca), (416-978-5077)

## Physiology Programs

### Biological Physics: see Physics

#### Physiology Specialist (Science program)

Physiology Specialist program (14 full courses or their equivalent)

The Physiology Specialist program is a Type 3 program. Only students with an average of at least 70% in the required first-year courses and a minimum of 60% in each of these courses will be considered for entrance into the specialist program. Enrolment is limited and selection is based

on performance in the following first-year required courses: BIO130H1, (CHM135H1/CHM139H1), (CHM136H1/CHM138H1) or their equivalents, and 1.5 full course equivalents from: BIO120H1, MAT135H1, MAT136H1, MAT137Y1, MAT157Y1, PHY131H1, PHY132H1, PHY151H1, PHY152H1. Students apply via the Faculty's Program Enrolment website. See the Arts & Science Program Enrolment website for application procedures. For more information, refer to the Physiology website at [www.physiology.utoronto.ca](http://www.physiology.utoronto.ca).

First Year: (4 full course equivalent from the following)  
BIO120H1/PSL190H1, BIO130H1;  
(CHM135H1/CHM139H1),(CHM136H1/CHM138H1), (PHY131H1,  
PHY132H1)/(PHY151H1, PHY152H1)

First Year or upper years:  
(MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1<sup>1</sup>

Second Year:

- 2.5 full course equivalents from BCH210H1; BIO230H1/BIO255H1; CHM220H1/CHM247H1/CHM249H1; PSL300H1, PSL301H1
- 1.5 full course equivalents from BIO220H1, BIO260H1/HMB265H1; MAT235Y1, PHY231H1, PSL299Y1, STA220H1/STA250H1

Third Year:

- 3 full course equivalent from BCH370H1; PSL304H1, PSL305H1, PSL350H1/CSB349H1/BCH311H1, PSL372H1, PSL374H1
- 1 full course equivalent from the following list: ANA300Y1; BME498Y1; CSB325H1, CSB332H1/CJH332H1, CSB343H1, CSB345H1/CSB445H1, CSB346H1, CSB347H1; IMM340H1/IMM341H1, IMM350H1/IMM351H1; PCL201H1, PCL285H1, PCL302H1; PHY331H1, PSL378H1/PSL379H1; PSY397H1

Fourth Year: (at least 2 FCEs at 400-level)

- PSL498Y1/PSL499H1
- 1-1.5 full course equivalents from PSL400-series or HMB430H1/HMB470H1/HMB472H1

<sup>1</sup>These courses may be taken in the first year or subsequent years, and are not required for entrance into the specialist program.

#### Physiology Major (Science Program)

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's marks in the 3.0 FCE required first-year courses:

BIO120H1, BIO130H1, (CHM135H1/CHM139H1), (CHM136H1/CHM138H1)/CHM151Y1, and 1.0 FCE from any of the following: MAT135H1, MAT136H1, MAT135Y1, MAT137Y1, MAT157Y1, PHY131H1, PHY132H1, PHY151H1, PHY152H1 with an average of at least 70% on these 3.0 full-course equivalents (FCEs) and a final mark of at least 60% in each course.

While it is difficult to predict what will be competitive course marks and average in a given year, based on previous years, the estimate is: course marks = mid 70s; average = mid 70s.

Achieving these estimated marks does not guarantee admission to the program in any given year.

Note: Students must apply to this program on the Arts & Science Faculty Registrar's Office website (see the Arts & Science Program Enrolment website for application procedures).

(8 full courses or their equivalent, including 0.5 FCE at the 400-level)

# Physiology

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## First Year:

1. 2 full course equivalent from (BIO120H1, BIO130H1)/BIO150Y1; (CHM135H1/CHM139H1), (CHM136H1/CHM138H1)/CHM151Y
2. 1 full course equivalent from any of the following: MAT135H1, MAT136H1, MAT135Y1, MAT137Y1, MAT157Y1, PHY131H1, PHY132H1, PHY151H1, PHY152H1

## Second Year:

- 2 full course equivalent from BCH210H1; BIO230H1/BIO255H1; PSL300H1, PSL301H1

## Higher Years:

1. 1 full course equivalent from PSL372H1, PSL350H1/BCH311H1/CSB349H1
2. 1 full course equivalent from ANA300Y1; CSB325H1, CSB330H1, CSB332H1/CJH332H1, CSB343H1, CSB345H1/CSB445H1, CSB346H1, CSB347H1; IMM340H1/IMM341H1, IMM350H1/IMM351H1; NFS284H1; PCL201H1, PCL285H1, PCL302H1; PSY201H1; PSY397H1; STA220H1
3. 1 full course equivalent from HMB430H1/HMB470H1/HMB472H1; PSL304H1, PSL305H1, PSL374H1, PSL378H1/PSL379H1, PSL380H1, PSL400-series courses

## Physiology Minor (Science program)

(4 full courses or their equivalent; one 300+ level FCE must be included in the program)

1. 2 full course equivalents from: (BIO120H1, BIO130H1)/BIO150Y1; PSL201Y1/(PSL300H1, PSL301H1)
2. 2 full course equivalents from: BIO251H1, BIO270H1, BIO271H1; CSB325H1, CSB332H1/CJH332H1, CSB343H1, CSB344H1, CSB345H1/CSB445H1, CSB346H1, CSB347H1; EEB328H1; HMB200H1/HMB220H1, HMB430H1, HMB470H1, HMB472H1; PSL280H1, PSL299Y1, PSL 300-series, PSL400-series; PSY290H1, PSY396H1, PSY397H1, PSY399H1, PSY490H1, PSY492H1, PSY494H1, PSY497H1

## Physiology Courses

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### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### PSL190H1 Biomedical Research at the Cutting Edge [24L/6S]

Explore the thought processes, logic, motivation, techniques, analysis and impact of recent high-profile publications to gain insight into the enterprise of science. Outstanding scientists present recent high-impact papers, and students will examine the research in depth, focusing on the underlying questions, experimental approach, results and significance.

Prerequisite: SBI4U and SCH4U (Grade 12 University Preparation Biology and Chemistry); permission of Department

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### PSL201Y1 Basic Human Physiology [48L]

A survey course intended for students who are not proceeding further in Physiology.

Exclusion: Any 300-level PSL course taken previously or concurrently

Recommended Preparation: 100-level course in BIO or equivalent

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### PSL280H1 Introduction to Physiologic Adaptations of Marine Mammals [24L/14P]

Systems approach to physiology of marine mammals in their aquatic environment. Highlights unique features of cardiovascular, respiratory, renal, urinary, and reproductive systems. Introduces relevant physiology, and makes comparisons to human condition and disease.

Prerequisite: (BIO120H1, BIO130H1)/BIO150Y1, CHM138H1/CHM151Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### PSL299Y1 Research Opportunity Program

Credit course for supervised participation in faculty research project.

Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: None

### PSL300H1 Human Physiology I [36L/5T]

Principles of neurophysiology, endocrinology and reproductive physiology for students enrolled in Life Science programs.

Exclusion: PSL201Y1, PSL302Y1

Recommended Preparation: BIO130H1/BIO150Y1;

CHM138H1/CHM151Y1; and 1 FCE from any of the following:

MAT135H1, MAT136H1, MAT135Y1, MAT137Y1, MAT157Y1,

PHY131H1, PHY132H, PHY151H1, PHY152H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### PSL301H1 Human Physiology II [36L/4T]

Principles of respiratory, cardiovascular, gastrointestinal, and renal physiology for students enrolled in Life Science programs.

Exclusion: PSL201Y1, PSL302Y1

Recommended Preparation: BIO130H1/BIO150Y1;

CHM138H1/CHM151Y1; and 1 FCE from any of the following:

MAT135H1, MAT136H1, MAT135Y1, MAT137Y1, MAT157Y1,

PHY131H1, PHY132H, PHY151H1, PHY152H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### PSL304H1 Topics in Cellular, Molecular and Organismic Physiology I [32L/16T]

Control systems, feedback, networks, and both neonatal and adult cardiovascular and respiratory control are the topics examined in detail using homeostasis as a unifying theme. Tutorials involve computer simulations, case studies and/or experimental design. This course is designed for students in the Physiology Specialist and Biological Physics Specialist Programs, although permission is granted to students in other programs upon approval by the Department.

Prerequisite: BCH210H1, PSL300H1, PSL301H1, MAT100-series, PHY100-series

Exclusion: PSL303Y1

Recommended Preparation: PSL372H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PSL305H1 Topics in Cellular, Molecular and Organismic Physiology II [32L/16T]**

Molecular, cellular and organismic physiology of the central nervous system, gut, pancreas and glucose-sensing tissues; CNS diseases, obesity and diabetes are used as model systems. Tutorials involve computer simulations. This course is designed for students in the Physiology Specialist and Biological Physics Specialist Programs, although permission is granted to students in other programs upon approval by the Department.

Prerequisite: BCH210H1, PSL300H1, PSL301H1, MAT100-series

Exclusion: PSL303Y1

Recommended Preparation: PSL372H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PSL350H1 Mammalian Molecular Biology [18L/12T/6S]**

Extend molecular biology concepts to current scientific literature in mammalian physiology. Apply these principles to disease and complex behaviours. Discuss bioethical issues raised by these techniques and their application. Benefit from three weeks in small group seminars lead by research professors focusing on current advances in mammalian molecular biology.

Prerequisite: BIO230H1, PSL300H1, BCH210H1

Corequisite: PSL301H1

Exclusion: BCH311H1/BIO349H1/CSB349H1/MGY311Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PSL372H1 Mammalian Physiology Laboratory [12L/36P]**

A laboratory course covering selected topics in physiology.

Prerequisite: BIO230H1/BIO240H1, BIO241H1/BIO255H1, BCH210H1/BCH242Y1, MAT100-series/PHY100-series, PSL300H1, PSL301H1

Corequisite: BCH370H1 (recommended)

Exclusion: CSB348H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PSL374H1 Advanced Physiology Laboratory [12L/36P/12S]**

A problem-based laboratory course focused on the integration and control of organ systems to understand body functions. Enrollment in this course is restricted to students in the Physiology Specialist and Major Programs although permission is granted to students in other programs upon approval by the Department.

Prerequisite: BIO230H1/(BIO240H1, BIO241H1)/BIO255H1, PSL300H1, PSL301H1, PSL372H1

Exclusion: CSB348H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PSL378H1 Field Physiology: Marine Mammal Autopsy [12L/24T/36P]**

An opportunity to go outside of the traditional university classroom and actively participate in a marine mammal autopsy. Learn the diversity and adaptive nature of marine mammalian physiology/anatomy as it compares to human. The course is 2 weeks (in May), one week of hands-on tissue dissection, and one week of group discussions of the findings and draft report preparation. Not eligible for CR/NCR option.

Prerequisite: BIO270H1, BIO271H1/PSL201Y1/PSL280H1/PSL300H1, PSL301H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PSL379H0 Comparative Marine Mammal Physiology in the Field [24T/36P]**

Hands-on monitoring of physiological measures with live dolphins, manatee and sea lions; field observations and applied learning to a physiology project. Two-weeks at the end of April early May: 1st week at marine research center in Mexico, 2nd week of wrap-up discussion and integration of data at U of T. Not eligible for CR/NCR option.

Prerequisite: BIO220H1/BIO230H1/BIO270H1/BIO271H1/CSB343H1/PSL280H1/PSL201Y1/PSL300H1/PSL301H1/PSY362H1/any other relevant course

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PSL398H0 Research Excursions [TBA]**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: None

## **PSL399Y0 Research Excursions [TBA]**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: None

## **PSL404H1 Regenerative Medicine [24L/12T]**

Regenerative medicine promises to restore body function that has been lost due to disease, damage or age. Students will explore selected molecular, stem cell and tissue engineering developments to better understand how the body normally functions and how cells, tissues, and organs can be repaired or replaced.

Prerequisite: PSL300H1, PSL301H1

Recommended

Preparation: PSL350H1/BCH311H1/CSB349H1/MGY311Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PSL420H1 Reproduction I: Development and Function [24L]**

This course provides an in-depth review of the development and function of the male and female reproductive systems. Topics include sex determination and differentiation, steroidogenesis, gametogenesis, hormonal control of the reproductive axis, the female ovulatory cycle, fertilization and implantation, infertility and assisted reproduction approaches.

Prerequisite: PSL300H1, PSL301H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PSL421H1 Reproduction II: Pregnancy and Birth [24L]**

General overview of the integrated physiologic events associated with pregnancy and birth. The approach emphasizes physiologic processes using insights gained from studies of humans, animals, cells and genes. Where appropriate the clinical consequences of aberrant development are reviewed.

Prerequisite: PSL300H1, PSL301H1

Recommended Preparation: PSL420H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

# Physiology

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## **PSL425H1 Integrative Metabolism and its Endocrine Regulation [24L]**

This course integrates the newest findings and experimental approaches from cellular and molecular biology into metabolic function at the tissue, organ and whole body level.

Prerequisite: BCH210H1, PSL300H1, PSL301H1

Recommended Preparation: PSL305H1/PSL303Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PSL432H1 Theoretical Physiology [24L]**

Theoretical treatment of neurophysiology. Mathematical modeling and analysis of neurophysiological systems.

Prerequisite: MAT235Y1/MAT237Y1; APM346H1/MAT244H1

Recommended Preparation: PHY200-series;

PSL201Y1/PSL300H1/(BIO270H1, BIO271H1)

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PSL440Y1 Neuroscience I: Systems and Behaviour [96L]**

Introduction to systems neuroscience. A review of basic neuroanatomy and physiology followed by in-depth study of selected sensory and motor systems, with an emphasis on clinical applications in the second term.

Students with an elementary neuroscience background progress to reading neuroscience literature on their own.

Prerequisite: PSL300H1/PSY290H1/CSB332H1 or equivalent

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PSL444Y1 Neuroscience II: Cellular and Molecular [72L]**

Overview of the fundamentals of cellular and molecular aspects of brain function. Course material is updated yearly to reflect the rapid evolution of ideas in Neuroscience.

Prerequisite: PSL300H1, PSL301H1, CSB332H1 or permission of instructor

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PSL450H1 Mechanisms of Neural and Endocrinal Secretion [24L]**

Exocytosis and other aspects of secretion mainly in neurons and neuroendocrine cells, but also in pancreatic cells. Topics include synapse anatomy and physiology, synaptic plasma membrane and vesicle proteins, membrane fusion, genetic tools, endocrine secretion, plasticity in neurotransmitter release, diseases arising from secretion defects.

Prerequisite: BCH210H1, PSL300H1/(BIO240H1, BIO241H1),

PSL350H1/CSB349H1/BCH311H1/MGY311Y1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PSL452H1 Membrane Physiology [24L]**

Biophysics and molecular biology of ion channels. Topics include equivalent circuits for cells, molecular structure of voltage-gated channels, distribution of channels, relationship between single-channel and whole-cell recording, and regulation of channel function by voltage, phosphorylation, G-proteins and metabolites.

Prerequisite: PSL300H1, PSL301H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PSL462H1 Molecular Aspects of Cardiovascular Function [36L]**

Heart anatomy and development, ion channels and contractile proteins involved in cardiac and smooth muscle contraction are studied.

Emphasis is on regulation of electrical and contractile function of kinases, metabolism, volume and ions.

Prerequisite: PSL300H1, PSL301H1, PSL304H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PSL470H1 Developmental Cardiovascular Physiology [24L]**

Development of the cardiovascular system from conception to adulthood with particular emphasis on maturational changes, age-related differences and developmental problems from cellular/molecular to whole organ/system.

Prerequisite: PSL300H1, PSL301H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PSL472H1 Sleep Physiology and Chronobiology [24L]**

This course covers the physiology underlying sleep and circadian rhythms, and their impact on important physiological processes and health. The integrative nature of the basic physiological processes is emphasized via discussions and clinical presentations. Overall, the aim is to present the full spectrum of integrative physiology from molecules and cells to understanding the sick patient.

Prerequisite: PSL300H1, PSL301H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PSL480H1 Diving Physiology of Marine Mammals [24L/6T]**

This course compares and contrasts the physiological and anatomical adaptations exhibited by the different species of marine mammals in relationship to humans, with respect to diving.

Prerequisite: (BIO270H1, BIO271H1)/PSL201Y1/PSL300H1, PSL301H1; PSL280H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PSL495H1 Communicate Biomedical Science [6L/2T/18S]**

Research, critique and write a manuscript on a topic of your choice in the scientific literature while guided by classes and assignments that develop advanced science communication skills; and by a mentor expert in your area of clinical or basic physiology.

Prerequisite: PSL300H1; PSL301H1; PSL372H1; 13.5 additional credits; and permission of Department

Exclusion: BCH479H1; HMB490H1; HMB491H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PSL498Y1 Project in Physiology [144P]**

Laboratory research project with reading assignments leading to a final report. By special arrangement with a Physiology staff member after admission to course. PSL498Y1 is recommended for students applying to the Physiology graduate program. Enrollment in this course is restricted to students in the Physiology Specialist and Major Programs, although permission is granted to students in other programs upon approval by the Department. Not eligible for CR/NCR option.

Prerequisite: (PSL304H1, PSL305H1)/PSL303Y1, PSL372H1, PSL374H1, permission of Department

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

**PSL499H1 Project in Physiology [72P]**

Laboratory research project with reading assignments leading to a final report. By special arrangement with a Physiology staff member after admission to course. PSL499H1 is recommended for students applying to the Physiology graduate program. Enrollment in this course is restricted to students in the Physiology Specialist and Major Programs, although permission is granted to students in other programs upon approval by the Department. Not eligible for CR/NCR option.

Prerequisite: (PSL304H1, PSL305H1)/PSL303Y1, PSL372H1, PSL374H1, permission of Department

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

# Planetary Science

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## Planetary Science Programs

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### Planetary Science Specialist (Science program)

One 300+-level FCE must be included in the program.

(14 full courses or equivalent, including at least one 400+series course)

First Year:

(CHM138H1, CHM139H1)/CHM151Y1;  
(MAT135H1, MAT136H1)/MAT137Y1; (PHY131H1,  
PHY132H1)/(PHY151H1, PHY152H1) (MAT137Y1 and PHY151H1,  
PHY152H1 preferred)

First or Second Year:

MAT223H1/MAT240H1

Second or Third Year:

AST221H1; CHM225Y1/(PHY252H1, PHY256H1); CHM238Y1;  
GLG206H1, GLG216H1/GLG207H1; MAT235Y1/MAT237Y1 (MAT237Y1  
preferred); MAT244H1; PHY250H1, PHY254H1

Third and/or Fourth Years:

1. PHY395H1
2. At least three of AST325H1; CHM327H1, CHM338H1; GLG318H1,  
GLG440H1, GLG465H1; PHY354H1, PHY407H1, PHY408H1
3. One additional 300+series course; consult with appropriate

Undergraduate Secretary for course selection

Fourth Year:

PLN420H1, PLN425H1

## Planetary Science Courses

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### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### PLN420H1 Interdisciplinary Seminar in Planetary Science [24S]

Discussion of topics of current interest in planetary science with emphasis on papers published in scientific journals. This course is intended for students in the final year of the Planetary Science specialist program. Students must enrol with the course coordinator.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### PLN425H1 Research in Planetary Science [120P]

Research report by student in consultation with individual staff member in Astronomy, Chemistry, Geology or Physics. This course is intended for students in the final year of the Planetary Science specialist program. Students must enrol with the course coordinator. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## Faculty

### University Professor Emeritus

P.H. Russell, DSc, MA, LL.D., FRSC, OC (I, T)

### University Professor

J.G. Stein, MA, PhD, LL.D., FRSC, OC, OOnt (U)

### Professors Emeriti

E.G. Andrew, BA, PhD  
 J.S. Barker, MA, PhD (N)  
 M. Brownstone, MS, DPA, LL.D. (U)  
 † A.S. Brudner, LL.B., MA, PhD, FRSC  
 † F.A. Cunningham, MA, PhD, FRSC (I)  
 M.W. Donnelly, MA, PhD  
 V.C. Falkenheim, MA, PhD  
 H. D. Forbes, MA, PhD  
 F.J.C. Griffiths, MIA, PhD (U)  
 G. Horowitz, MA, PhD  
 B. Kovrig, MA, PhD (T)  
 † A.M. Kruger, BA, PhD  
 L. LeDuc, MA, PhD (SM)  
 R.A. Manzer, MA, PhD (University of Toronto Scarborough)  
 R.O. Matthews, BA, MIA, PhD (T)  
 J.T. McLeod, MA, PhD (U)  
 J. Nun, LL.M., PhD  
 F.W. Peers, BEd, MA, PhD  
 R.C. Pratt, MPhil, FRSC, OC (U)  
 D.M. Rayside, AM, PhD, FRSC (U)  
 A.G. Rubinoff, MA, PhD (University of Toronto Scarborough)  
 K.R.J. Sandbrook, MA, DPhil, FRSC  
 D.V. Schwartz, MA, PhD  
 P. Silcox, MA, PhD (University of Toronto Mississauga)  
 J.E. Smith, AB, PhD, DLit  
 P.H. Solomon, MA, PhD  
 S.G. Solomon, MA, PhD (University of Toronto Scarborough)  
 R.E. Stren, MA, PhD (I)  
 C. Tuohy, MA, PhD, FRSC  
 † M.H. Watkins, BCOM, LL.D. (U)  
 G. White, MA, PhD (University of Toronto Mississauga)

### Professor and Chair

L.W. Pauly, MA, MSc, PhD, FRSC (T)

### Professor and Associate Chair (Graduate Studies)

S. Bernstein, MA, PhD (University of Toronto Mississauga)

### Associate Professor and Associate Chair (Undergraduate Studies)

R.S. Haddow, MSc, PhD

### Professor and Associate Chair

R.K. Balot, MA, PhD

### Professors

E. Adler, MA, PhD, FRSC  
 † R.C.A. Andersen, MA, PhD  
 S. Bashevkin, MA, PhD, FRSC (U)  
 H. Bathelt, Dipl-Geogr, Dr rer nat, Habil  
 R.S. Beiner, BA, DPhil, FRSC (University of Toronto Mississauga)  
 J. Bertrand, MSc, MA, PhD

† S. Borins, BA, MPP, PhD  
 A. Braun, MA, PhD (University of Toronto Mississauga) (T)  
 † D. Breznitz, BA, PhD  
 D.R. Cameron, MSc, PhD, FRSC  
 J.H. Carens, MPhil (Theol), MPhil, PhD, FRSC  
 S.E. Chambers, MA, MPhil, PhD (T)  
 D.B. Cook, MA, PhD (V)  
 R.B. Day, Dip REES, MA, PhD (University of Toronto Mississauga)  
 † R.B. Deber, SM, PhD  
 R.J. Deibert, MA, PhD, OOnt (T)  
 R. Hansen, MPhil, DPhil (T)  
 † R. Hirschl, LL.B., MA, MPhil, PhD, FRSC  
 M.J. Hoffmann, MPhil, PhD (University of Toronto Scarborough)  
 C. Jung, MA, PhD  
 R.E. Kingston, MA, PhD  
 J.J. Kirton, MA, PhD (T)  
 M. Kohn, MA, PhD (University of Toronto Scarborough)  
 J.S. Kopstein, MA, PhD  
 P.R. Magocsi, MA, MA, PhD, FRSC  
 J. Nedelsky, MA, PhD  
 N. Nevitte, MA, PhD, FRSC  
 C. Orwin, AM, PhD (SM)  
 † I. Peng, MA, PhD (T)  
 † K. Roach, LL.B., LL.M., FRSC  
 † D. Schneiderman, LL.B., LL.M.  
 † A. Shachar, BA, LL.B., LL.M., JSD, FRSC  
 G. Skogstad, MA, PhD (University of Toronto Scarborough)  
 † A. Stark, MSc, AM, PhD  
 J.A. Teichman, MA, PhD, FRSC (University of Toronto Scarborough)  
 R. Vipond, AM, PhD (V)  
 † L.E. Weinrib, BA, LL.B., LL.M.  
 M.S. Williams, AM, PhD (T)  
 N. Wiseman, MA, PhD  
 D.A. Wolfe, MA, PhD (University of Toronto Mississauga)  
 J. Wong, MA, PhD

### Associate Professors

A.M. Bejarano, MA, MPhil, PhD (University of Toronto Mississauga)  
 † N. Bertoldi, MA, PhD  
 C. Cochrane, MA, PhD (University of Toronto Scarborough)  
 † Y. Dawood, MA, JD, PhD  
 † D.L. Eyoh, MA, PhD (N)  
 J.F. Fletcher, MA, PhD  
 L.A. Fujii, MA, PhD (University of Toronto Mississauga)  
 † K.H. Green, MA, PhD (U)  
 A. Handley, MPhil, PhD  
 P.W.T. Kingston, MA, MPhil, DPhil (University of Toronto Scarborough)  
 † R. Kuokkanen, MA, MA, PhD  
 † R. Levi, BCL, LL.B., LL.M., SJD  
 P.J. Loewen, BA, PhD (University of Toronto Mississauga)  
 † M.S. Manger, MSc, PhD  
 † R.A. Marshall, MA, DPhil  
 P.L. McCarney, MCP, PhD  
 C. Norrlof, MA, PhD (University of Toronto Scarborough)  
 † L. Ong, AM, PhD  
 E. Schatz, MA, PhD, (University of Toronto Mississauga)  
 T. Triadafilopoulos, MA, PhD (University of Toronto Scarborough)  
 L. Way, MA, PhD (University of Toronto Scarborough)  
 † L. White, MA, PhD  
 W. Wong, MA, PhD  
 † A. Yoon, BA, LL.M., PhD

# Political Science

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## Assistant Professors

A.S. Ahmad, MA, PhD (University of Toronto Scarborough)  
T.M. Bejan, MPhil, MA, PhD (University of Toronto Mississauga)  
† J. Craft, MA, PhD  
C. de Miguel Moyer, MA, PhD  
† M.J. Donnelly, MA, PhD  
T. Enright, BA, PhD  
D. Fu, MPhil, DPhil (University of Toronto Scarborough)  
L. Gilady, MA, MPhil, PhD  
† S. Gunitsky, MA, MPhil, PhD  
S. Hughes, MSc, PhD (University of Toronto Mississauga)  
† M. Light, MA, JD, PhD  
S. Mukherjee, MA, PhD (University of Toronto Mississauga)  
K. Murali, MSc, PhD  
† K. Neville, MEd, PhD  
† A.H. Olive, MA, PhD (University of Toronto Mississauga)  
† W. Prichard, MPhil, DPhil  
S. Renckens, MSc, MA, MPhil, PhD (University of Toronto Scarborough)  
L. Rheault, MA, PhD  
R. Schertzer, MSc, PhD (University of Toronto Scarborough)  
E. Tolley, MA, PhD (University of Toronto Mississauga)  
T. Shanks, BA, PhD (University of Toronto Scarborough)

## Senior Lecturer

M. Lippincott, MA, PhD (University of Toronto Mississauga)

## Lecturers

K. Ariga, MA, MA, MCP, PhD  
R. Levine, MA, PhD (University of Toronto Scarborough)

## CLTAs

R. Hurl, MA, PhD  
D. Kingsbury, MA, PhD

†Cross-appointed

The study of Political Science at the University of Toronto is wide-ranging and diverse. Courses are offered in political theory, Canadian government, international relations, and the politics of societies that are industrialized, developing, and in transition. Many courses deal with issues (such as environmental politics, diversity, peace and conflict, globalization) that cut across fields. Course offerings are designed to introduce students to Political Science at the first year level, provide the foundations for further study at the second year level, and provide specialized lecture and seminar courses at the intermediate and advanced levels. Studies in Political Science provide students with a good grounding in one of the chief social science disciplines and an opportunity to explore the issues that confront us as individuals, groups, societies and on the international level as we prepare for the twenty-first century. In addition to the materials covered, Political Science courses are set up to offer students an opportunity to learn writing and analytical skills to support a challenging and diverse career.

Courses in Political Science dovetail with programs in many other disciplines of the social sciences and the humanities: Economics, Sociology, History, Philosophy, and Psychology. A student interested in Canadian studies or urban problems, for example, would be well advised to choose courses from all these disciplines, as would someone interested in international affairs or foreign area studies. A student planning graduate work in the social sciences should seek to obtain a basic understanding of each of these disciplines.

Detailed information on our programs, extended descriptions of courses, and background information on the interests of our instructors can be

found on our website. The Association of Political Science Students, the students' organization for Political Science undergraduates, has an office in Room 1091, Sidney Smith Hall.

Undergraduate Director: Professor Rodney Haddow, Sidney Smith Hall, Room 3030 (416-978-3342)

Student and Alumni/Advancement Coordinator: Elizabeth Jagdeo, Sidney Smith Hall, Room 3027 (416-978-3340)

Enquiries: Jennifer McCallum, Sidney Smith Hall, Room 3032 (416-978-6567)

Undergraduate Program Information and Course Descriptions:  
<http://www.politics.utoronto.ca>

## Political Science Programs

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### Political Science Specialist (Arts program)

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol.

Required courses:

i) Applying after first year (or four full courses or the equivalent):

A final mark of at least 67% in POL 101Y or POL 200Y or one full POL course or the equivalent in half courses.

ii) Applying after second year (or eight full courses or the equivalent):

A final mark of at least 70% in any two full POL courses or the equivalent in half courses.

(10 POL full courses or the equivalent in half courses. Of these, at least 3.0 full course equivalents must be 300+ series courses and 1.0 full course equivalent must be 400- series. Only 1.0 POL 100-level course will be counted towards the POL program.)

First Year:

POL101Y1

Higher Years:

1. POL 200Y1
2. One of the following:  
POL201Y1/POL203Y1/POL207Y1/POL208Y1/POL215Y1
3. POL214Y1/POL224Y1
4. POL222H1 and POL232H1
5. POL320Y1
6. 4.0 additional POL full course equivalents

Of these, at least 2.0 full course equivalents must be 300+ series courses and 1.0 full course equivalent must be 400- series.

Note:

- Students must complete one full course equivalent each in at least two of the following three fields: comparative politics, development studies, international relations. See the Department's website <http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable> for POL courses by area group.
- It is recommended that students take POL222H1 (Introduction to Quantitative Reasoning I) and POL232H1 (Introduction to Quantitative Reasoning II) in their second year of study.



## Political Science Major (Arts Program)

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol.

Required courses:

### i) Applying after first year (or four full courses or the equivalent):

A final mark of at least 67% in POL 101Y or POL 200Y or one full POL course or the equivalent in half courses.

### ii) Applying after second year (or eight courses or the equivalent):

A final mark of at least 70% in any two full POL courses or the equivalent in half courses.

(7 POL full courses or the equivalent in half courses. Of these, 1.5 full course equivalents must be 300+ series courses and 0.5 must be a 400-series. Only 1.0 POL 100-level course will be counted towards the POL program.)

First Year:  
POL101Y1

Higher Years:

1. POL200Y1
2. One of the following:  
POL201Y1/POL203Y1/POL207Y1/POL208Y1/POL215Y1
3. POL214Y1/POL224Y1
4. POL222H1
5. 2.5 additional POL full course equivalents. Of these, at least 1.5 must be 300+ series and 0.5 must be a 400- series course.

Note:

- Students must complete one full course equivalent in at least one of the following three fields: comparative politics, development studies, international relations. See the Department's website <http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable> for POL courses by area group.
- It is recommended that students take POL222H1 (Introduction to Quantitative Reasoning I) in their second year of study.

## Political Science Minor (Arts Program)

This is a limited enrolment program. All students who request the program and obtain at least the specified mark(s) in the required course(s) will be eligible to enrol.

Required courses: a minimum grade of 65% in 1.0 POL full course equivalent.

(4.0 POL full courses or their equivalent)

1. 4.0 POL full course equivalents. Of these, at least 1.0 full course equivalent must be 300+ series courses and only 1.0 POL 100-level course will be counted towards the POL program.

## Political Science Courses

### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the

students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### PLEASE NOTE:

- Not all courses listed in the 2016-17 calendar are offered every year. Please check the Department's website for the list of courses offered in 2016-17.
- Prerequisites and exclusions are enforced for all 2nd, 3rd and 4th year courses. Please consult the POL section of the 2016-17 Faculty of Arts & Science Registration Instructions and Timetable for details. **Students without course prerequisites will be removed at any time they are discovered.**
- Enrolment is limited for all 300-level and 400-level courses. See the Faculty of Arts & Science Registration Instructions and Timetable for details.
- Nearly all POL 400-level courses are offered as joint undergraduate-graduate seminars with class sizes ranging from 15-25.
- Full course equivalents are either a full course or the equivalent in half courses.

### **POL101Y1 Democracy, Dictatorship, War, and Peace: An Introduction [48L/24T]**

This course is an introductory survey of the main currents and important themes in political science, emphasizing the sub disciplines of international relations, comparative politics, and political theory.

Exclusion: POL103Y1, POL105Y1, POL108Y1, any POL 100-level course

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### 200-Series Courses

#### **POL200Y1 Political Theory: Visions of the Just/Good Society [48L/24T]**

A selective presentation of critical encounters between philosophy and politics, dedicated to the quest for articulation and founding of the just/good society. Among the theorists examined are Plato, Aristotle, Machiavelli, Hobbes and Locke.

Exclusion: POLB70H3/POLB71H3/POLC70H3/POLC71H3

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2) + Society and its Institutions (3)

#### **POL201Y1 Politics of Development: Issues and Controversies [48L/12T]**

A survey of the developmental challenges facing societies in Latin America, the Caribbean, Asia and Africa, and the efficacy of various development strategies and policies in meeting these challenges.

Prerequisite: 1.0 POL credit/4.0 full course equivalents

Exclusion: POLB90H3/POLB91H3

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

# Political Science

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## **POL203Y1 U.S. Government and Politics [48L/24T]**

An introduction to U.S. government and politics within an analytical framework that helps us understand how institutions structure incentives and decisions in the U.S. system. This class examines the political forces that forged contemporary American institutions to understand how these political institutions continue to provide stability while allowing opportunities for political change. We investigate whether these forces make American institutions different and why. Special attention is paid to current events and contemporary policy dilemmas.

Prerequisite: 1.0 POL credit/4.0 full course equivalents

Exclusion: POLC92H3/POLC93H3

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL207Y1 Politics in Europe [48L/24T]**

An introduction to comparative politics with a focus on Europe and the European Union: types of democracy, changing economic and social governance, organized interests, party landscape, social movements.

Prerequisite: 1.0 POL credit/EUR200Y1

Recommended Preparation: General history of Europe

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL208Y1 Introduction to International Relations [48L/24T]**

The course analyzes the impact of the individual, the nation-state, and the international and transnational systems on international conflict and conflict resolution, and examines the major problems the international community confronts in a rapidly changing international environment.

Prerequisite: 1.0 POL credit /4.0 full course equivalents

Exclusion: POLB80H3/POLB81H3

Recommended Preparation: Prior reading or study of modern history

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL214Y1 Canadian Government and Politics [48L/24T]**

Canada's political system including the Constitution and institutional pillars of governance: cabinet and parliament, federalism, the Charter of Rights. Topics include: political parties, the electoral system, policymaking and public administration. Issues include identity, citizenship, ideology and political culture, regionalism, language politics, aboriginals, multiculturalism, gender, media, and interest groups.

Prerequisite: 1.0 POL credit /4.0 full course equivalents

Exclusion: POL224Y1/POLB50H3/POLB50Y3/POLB52H3

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL215Y1 Politics and Transformation of Asia-Pacific [48L/24T]**

This course provides a comparative analysis of selected countries of East and Southeast Asia, with an emphasis on changing views of citizenship as they have been shaped by political, socio-economic and cultural transformations in the region. The first term deals with the idea of the developmental state, inequality, democratization and nationalism.

The second term takes up questions related to governance and corruption, culture, demographic changes and nascent forms of regionalism and globalization.

Prerequisite: 1.0 POL credit /4.0 full course equivalents

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL222H1 Introduction to Quantitative Reasoning I (formerly POL 322H1) [24L/12T]**

Introduces the foundations of quantitative empirical research methods - increasingly popular and important part of political science research and public policy debates - to enable you to interpret and evaluate the results of the studies that employ these methods. Topics include scientific study of politics, empirical research designs, and regression analysis.

Prerequisite: 1.0 POL credit

Exclusion: POL242Y1/POL322H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL224Y1 Canada in Comparative Perspective (formerly POL103Y1) [48L/24T]**

This course introduces students to politics using a comparative approach; it examines the variety of political regimes that exist around the world, with particular attention to Canada. Emphasis is placed on how distinctive regimes reflect the different past and present social and economic settings of countries.

Prerequisite: 1.0 POL credit /4.0 full course equivalents

Exclusion: POL103Y1/POL214Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL232H1 Introduction to Quantitative Reasoning II [24L/12T]**

Building up on POL222H1, students will continue to build theoretical foundations of quantitative empirical research, such as probability theory and statistical inference. They will also learn the basic use of statistical software and have become able to conduct a basic data analysis by themselves by the end of semester.

Prerequisite: POL222H1

Exclusion: POL242Y1; SOC202H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL299Y1 Research Opportunity Program**

Credit course for supervised participation in faculty research project.

Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **300-Series Courses**

### **POL300H1 Topics in Comparative Politics [24L]**

An introduction to the field of comparative politics. Content in any given year depends on instructor.

Prerequisite: 1.0 POL credit

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **POL300Y1 Topics in Comparative Politics [48L]**

An introduction to the field of comparative politics. Content in any given year depends on instructor.

Prerequisite: 1.0 POL credit

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL301Y1 Government and Politics in Africa [48L]**

The continuing relevance of pre-colonial Africa; the nature and legacy of colonial rule; African nationalism and the consolidation of power in the newly-independent states; government, party and the people; the role of the military; national integration; dependency and neo-colonialism; socialism and development; democracy and human rights.

Prerequisite: 1.0 POL credit

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL302Y1 State & Society in 20th Century China (formerly JMC 301Y1) [48L]**

This course explores China's efforts to construct a modern and effective political order in the face of powerful demographic and revolutionary challenges. The clash between competing ideologies, political and social movements and institutional alternatives in the context of rapid social and economic change are analyzed.

Prerequisite: EAS105H1/HIS280Y1/HIS328Y1/POL215Y1

Exclusion: JMC301Y1/POLC16H3

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL303H1 Women in Western Political Thought (formerly JPP343H1) [24L]**

Examines contemporary feminist perspectives in political theory as responses to the limitations of western tradition of modern political theory.

Prerequisite: NEW360Y1/PHL265H1/POL200Y1

Exclusion: JPP343H1/JPP343Y1/POLC76H3/POLC77H3

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **JHP304Y1 Ukraine: Politics, Economy and Society [48L]**

The history of Ukraine from earliest times to the present. Economic, political, and cultural movements; Kievan Rus', Polish-Lithuanian Commonwealth, Cossack state, national revival, twentieth century statehood, and unification. As this course is designed as an introductory course, the professor welcomes first- and second-year students to enroll, as well as upper-level students. *(Given by the Departments of History and Political Science)*

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL305Y1 Politics and Society in Latin America [48L]**

The colonial heritage, the failure of nation-states to develop as integrated and autonomous power structures, dependent capitalism and political order, contrasting types of domination, rigid monopolization and the flexible use of the state by the ruling sectors, national revolution and the socialist alternative.

Prerequisite: 1.0 POL credit

Exclusion: POLC91H3/POLC99H3

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL306H1 Urban Politics and Governance in Canada [24L]**

Examines issues of contemporary urban politics and governance through intensive analysis of politics in Toronto. The city's politics are analyzed in terms of demography, social composition and economic character.

Possible topics include the prospects for local democracy, relations with senior governments and with other GTA municipalities, and specific policy areas (transportation, education, social welfare).

Prerequisite: POL214Y1/POL224Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL308H1 Aboriginal Politics in Canada (formerly JPA308H1) [24L]**

Explores key issues in Aboriginal politics in Canada. Provides students with an overview of historical and contemporary socio-political issues in Aboriginal societies and institutions such as Aboriginal self-governance, land claims and treaty negotiations.

Prerequisite: ABS201Y1/POL214Y1/POL224Y1

Exclusion: ABS353H1; ABS354H1/JPA308H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL312Y1 Canadian Foreign Policy [48L]**

Canada's response to the challenges of globalization and the post-cold war world. The major alternative theoretical approaches, the changing doctrines and patterns of Canadian foreign policy from 1945 to the present, the making of Canadian foreign policy, relations with the United States, within NAFTA, and with other global regions.

Prerequisite: POL208Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL314H1 Public Opinion and Voting [24L]**

The attitudes and behaviour of the mass public in Canada and other western democracies, with emphasis on voting and elections. Themes include the nature of social, psychological, and economic forces on public opinion and voting, political participation, mass media, public opinion polling, electoral systems, the role of parties, leaders, and issues in elections. Students will have the opportunity to work with data from the Canadian Election Studies and other sources.

Prerequisite: POL232H1/POL242Y1/an equivalent course in quantitative research methods

Exclusion: POL314Y1/POLC21H3

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **JPU315H1 Sexual Diversity Politics (formerly POL 315H) [24L]**

An interdisciplinary examination of the development of political visibility by gays, lesbians, bisexuals, and the transgendered in the contemporary period; and an analysis of public policy on and state regulation of sexual diversity in Canada, the U.S., Europe, with additional attention paid to developments in Latin America, East Asia, and Africa. *(Given by the Department of Political Science and the Sexual Diversity Studies Program)*

Prerequisite: SDS255H1/SDS256H1/UNI255H1/UNI256H1/one full course on the politics of 20th century Europe, U.S., or Canada/one full course on gender or sexuality/permission of the instructor

Exclusion: POL315H1/POL315Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL316Y1 Contemporary Canadian Federalism [48L]**

Constitutional, political, administrative, and financial aspects of federal-provincial relations, regionalism, and cultural dualism.

Prerequisite: POL214Y1/POL224Y1

Exclusion: POLC54H3/POLC57H3

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL317H1 Comparative Public Policy [24L]**

Draws from the major theoretical traditions in public policy and policymaking of the advanced industrial world, and applies these theories in understanding the developing world context and the new challenges of global change.

Prerequisite: EUR200Y1/POL101Y1/POL203Y1/POL214Y1/POL224Y1

Exclusion: POL317Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL318H1 Canada and the Global Challenge Since 9/11, Part I: NAFTA [24L]**

Deals with the political economy of Canada's position in North America. Starting with Harold Innis's theory of staple growth and the debate about the role of foreign investment in its economic (mis)development, we examine how Canada, having long resisted continental economic integration, turned to free trade as a panacea in the 1980s. The course ends with a detailed investigation of NAFTA's significance for Canadian public policy options in the light of the US war on terrorism.

*It is strongly recommended that students do not take both POL318H1 and POL341H1 at the same time because of the heavy work load.*

Prerequisite: POL101Y1/POL214Y1/POL224Y1

Recommended Preparation: ECO100Y1/ECO105Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL320Y1 Modern Political Thought [48L/24T]**

The development of political thought from the Enlightenment and through the 19th century; implications for political thought in the 20th century.

Democratic and anti-democratic tendencies.

Prerequisite: POL200Y1/POLC70H3 and POLC71H3

Exclusion: POLC73H3/POLC74H3

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **POL321Y1 Ethnic Politics in Comparative Perspective [48L]**

Theoretical approaches to ethnic conflict and accommodation. Case studies drawn from: West Europe: conflict (Northern Ireland, Spain), consociation (Switzerland), and treatment of immigrant minorities; Israel and South Africa; East European disintegration: Yugoslavia and Czechoslovakia; collapse of former Soviet Union and conflict / state-building in post-Soviet space.

Prerequisite: 1.0 POL credit

Exclusion: POL321H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL323Y1 Might and Right Among Nations [48L]**

An exploration of the issue of justice among nations. Is such justice genuine or is it largely spurious? What are the prospects for a just international order? Careful examination and thorough discussion of texts on these issues.

Prerequisite: POL200Y1/POL208Y1/POLC70H3 and POLC71H3

Exclusion: POL323H1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **POL324H1 Politics of Europe and the European Union [24L]**

This course applies concepts in comparative political science to the study of contemporary Europe. The course requires familiarity with basic concepts and methods in political science and knowledge of post-World War II European history. The course will be divided into three parts. The first part of the course will examine the variation in institutions, social cleavages, and political behavior across European countries. The second part of the course will focus on European politics at the supranational level and examine the history, political institutions, and policies of the European Union. Finally, the third part of the course will address the challenges facing Europe and the EU today and will closely examine a series of key contemporary social and political debates.

Prerequisite: EUR200Y1/POL207Y1/1.0 POL credit

Exclusion: POL324Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL326Y1 United States Foreign Policy [48L]**

The foreign policy of the United States: tradition and context of American decision-making, the process by which it is formulated, application to a number of specific regions and problems in the world.

Prerequisite: POL203Y1/POL208Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL328H1 Politics and Government in South Asia (formerly POL328Y1) [24L]**

The course introduces students to politics and government in South Asia in the period after independence from colonial rule. It focuses on the experiences of India, Pakistan, Sri Lanka and Bangladesh.

Prerequisite: POL201Y1

Exclusion: POL328Y1, POL357Y1 (taken in 2012-13)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL329H1 Experiences of Conflict [24L]**

The course reviews selected novels that deal with personal and collective experiences of conflict. It focuses on representations of how conflict is experienced. It gives students a practical understanding of the human dimension of selected major conflicts and explores possibilities for personal and social resistance to injustice and violence. Special attention is paid to questions of identity formation and moral choice in contexts of war and nationalism.

Prerequisite: POL208Y1

Exclusion: POL493H1 (taken in 2014-2015, 2015-2016)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL330Y1 Politics and Morality [72L]**

Is it possible to provide politics with a solid moral foundation? If so, what are the moral principles that should guide political order? The course examines these questions through the study of key figures in 20th-century political thought, including Max Weber, Hannah Arendt, Frantz Fanon, Mahatma Gandhi, Michel Foucault, Isaiah Berlin, John Rawls, and Jürgen Habermas.

Prerequisite: POL200Y1/POLC70H3 and POLC71H3

Exclusion: POL330H1/POL330Y1 (taken before 2012-2013)

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **JPA331Y1 Issues in Contemporary Chinese Politics [48L]**

The course covers topics of interest in China from the Communist takeover in 1949 through to the reform period of the 1980s, 1990s and 2000s. It will also address aspects of China's diplomacy related to its growing economic power. *(Given by the Department of Political Science and the Contemporary Asian Studies Program)*

Prerequisite: 2.0 POL courses or CAS200Y1/CAS201H1

Exclusion: POL300H1 F (taken in 2009-10 or 2010-11)/POLC16H3

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL334H1 Ontario and Quebec Politics [24L]**

An examination of politics in Canada's two most populous provinces. Drawing insights from comparative political economy scholarship, the course compares their politics in term of their distinctive historical origins, and their political economies, party systems, cultures, and relations with the federal government.

Prerequisite: POL214Y1/POL224Y1

Exclusion: POL334H1/POL334Y1/POL336H1/POL336Y1 (taken before 2012-2013)/POLC55H3

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL336H1 Topics in Provincial Politics [24L]**

Content in any given year depends on instructor.

Prerequisite: POL214Y1/POL224Y1

Exclusion: POL336Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL337Y1 The Canadian Constitution [48L]**

The moral foundations, historical events, political forces and legal ideas that have shaped the Canadian constitution; the roots, legacies, and judicial interpretation of the Constitution Act 1867, the Constitution Act 1982, and in particular the Charter of Rights and Freedoms; the constitutional framework of federalism; the politics of constitutional change; multiculturalism, 'rights talk', and the judicialization of politics.

Prerequisite: POL214Y1/POL224Y1

Exclusion: POLC68H3

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL340Y1 International Law [48L]**

International law as an instrument of conflict resolution. Recognition, sovereign immunity, subjects of international law, jurisdiction.

Prerequisite: POL208Y1

Exclusion: POLC38H3

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL341H1 Canada and the Global Challenge Since 9/11, Part II: The WTO [24L]**

Political economy of Canada's position in the world trading system. Starting with globalization (understood as the economic and technological forces driving the integration of capital, production, and distribution markets across national borders) and global governance (institutional structures and rules established to manage countries' international economic behaviour), we focus on how, in the new security context of the US war on terrorism, the World Trade Organization affects Canada's capacity to develop policies for cultural, economic and environmental development.

*It is strongly recommended that students do not take both POL318H1 and POL341H1 at the same time because of the heavy work load.*

Prerequisite: POL214Y1/POL224Y1

Recommended Preparation: ECO100Y1/ECO105Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL343Y1 Politics of Global Governance [48L]**

The history and politics of international governance, with particular emphasis on the League of Nations and its 19th century antecedents, the United Nations and the emergence of nongovernmental organizations; informal institutions and structures; and specific issue areas such as development, trade, finance, human rights and the environment.

Prerequisite: POL208Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL344Y1 Social Movements in Europe and North America (Formerly POL344H1) [48L]**

A comparative examination of the development of a variety of social movements, and their engagement with state institutions. Among the activist movements being examined are those dealing with gender, the environment, and labour.

Exclusion: POL344H1

Recommended Preparation: One full course on 20th century politics or history of Europe, U.S. or Canada/one full course on gender or sexuality

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL345Y1 Becoming Israel: War, Peace, and the Politics of Israel's Identity [48L]**

An introduction to Israeli politics, society, institutions and political practice from the perspective of the development of Israeli identity (identities). Particular attention will be given to the sources of Israeli identity, to the main players involved in its politics, and to the role of regional war and the peace process in its development and inner conflicts.

Prerequisite: 1.0 POL credit

Exclusion: POL345H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL349H1 Globalization and Urban Politics [24L]**

As major cities are affected by the multiple forces of globalization, their politics undergoes a transition. In the context of worldwide changes in urban political patterns, the course will look at the politics of Toronto and other major Canadian and American cities. The central question will be how local participatory politics is changing, and what kinds of effects these changes have on one of the most important missions of cities: delivering essential services to their citizens.

Prerequisite: POL214Y1/POL224Y1

Exclusion: POL349Y1

# Political Science

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Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **POL354H1 Politics and Society in Russia [24L]**

Explores tensions between democracy and authoritarianism after communist rule. Topics include: legacy of Soviet Union; political leadership; presidential power and executive - legislative conflict; federalism; elections and parties; civil society; ethnonationalism; corruption and organized crime.

Prerequisite: 1.0 POL credit

Exclusion: POL354Y1

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **POL355Y1 Topics in Classical Political Thought [48L]**

Leading texts and issues in classical political thought, as expressed in the various classical genres, including epic, tragedy, comedy, history, dialogues, and treatises.

Prerequisite: POL200Y1/POLC70H3 and POLC71H3

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL356H1 Canadian Political Parties [24L]**

The evolution and setting of Canada's federal and provincial party systems. Topics include historical and theoretical perspectives, ideology, leadership selection, elections, financing, media, and representing interests.

Prerequisite: POL214Y1/POL224Y1

Exclusion: POL356Y1

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **POL357Y1 Topics in South Asian Politics [48L]**

Selected issues in South Asian politics. Content in any given year depends on instructor.

Prerequisite: POL201Y1

Exclusion: POL357H1

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **POL359Y1 Enlarging Europe: The European Union and Its Applicants [48L]**

The course provides an overview of the salient issues in the past enlargement rounds, furnishing the context for the study of current and future integration efforts. Readings will cover the current round of enlargement to the Central and East European countries, efforts related to South-Eastern Europe, as well as Turkey. Issues between the EU and Ukraine and Russia will also be studied, as will the relationship between the Union and its Southern Rim. Security issues related to NATO integration and operations will also be covered.

Prerequisite: POL207Y1/EUR200Y1

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **POL360H1 Topics in Latin American Politics [24L]**

**Selected issues in Latin American politics.  
Content and instructor varies from year to year.**

Prerequisite: POL305Y1

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **POL360Y1 Topics in Latin American Politics [48L]**

**Selected issues in Latin American politics.  
Content and instructor varies from year to year.**

Prerequisite: POL305Y1

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **POL361H1 Global Political Economy I: History and Theory (formerly POL 370Y) [24L]**

The course introduces the contemporary history of world economic order and the ideas underpinning that order. It also provides an orientation to the field of study devoted to understanding and explaining underlying political dynamics.

Prerequisite: 1.0 POL credit; ECO100Y1/ECO105Y1

Exclusion: POL370H1, POL370Y1

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **POL362H1 Global Political Economy II: Policy and Analysis [24L]**

The course builds on themes introduced in POL361 H1. It focuses on key aspects of world economic order, like policies governing trade, capital flows, migration, development, and telecommunications. Methods for analyzing the background and implications of such policies are introduced.

Prerequisite: 1.0 POL credit; ECO100Y1/ECO105Y1

Exclusion: POL370H1; POL370Y1

Recommended Preparation: POL361H1

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **JPR364Y1 Religion and Politics (formerly POL364H/Y1) [48L]**

This course examines the evolving role of religions in contemporary public, political contexts. Themes include: democracy and secularism; religion, human rights, law and justice; party politics, identity-formation and citizenship; gender and sexuality; interreligious conflict. (*Given by the Departments of Political Science and Religion*)

Prerequisite: 1.0 POL credit/1.5 full course equivalents in Religious Studies

Exclusion: JPR364H1/RLG230H1/POL364H1/POL364Y1

Distribution Requirement Status: Social Science  
Breadth Requirement: Thought, Belief and Behaviour (2) + Society and its Institutions (3)

## **POL366Y0 "Kidnapped Europe's" Return?: Politics, Security and Culture in Central Europe since 1989 [48L]**

This course examines the politics and societies of Central Europe, including Poland, Hungary, Czech Republic, Slovakia, and Austria. It deals with the key issues in the post-communist period including minority-majority relations, the profound social, political and economic changes since the fall of communism, and the "return to Europe".

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL367Y0 Australia in Transition [48L]**

This course focuses on the dynamic changes that have been taking place in Australia since 1901. It examines Australia's rich indigenous and non-indigenous history; the complexity and challenges of Australia's migration and multiculturalism; key issues and practices in contemporary Australian politics; the complex interplay between institutional processes, political interest and the media; and the dynamics of Australia's engagement with the region and the rest of the world. Not eligible for CR/NCR option.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL368Y0 Returning to Europe: Bringing South East Europe Into the European Union [48L]**

From empires to modern states, ethnic wars and peace building to European Union integration, Southeastern Europe provides a fascinating case study for students in areas of politics, history, and conflict resolution. Through coursework and field trips to the major regional cities, students can witness first-hand the transformation of this critical area.

Recommended Preparation: Course in European Studies and/or Political Science

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL371H1 The Spatial Construction of the Political Economy [24L]**

This course applies a relational perspective of economic action which emphasizes context, path-dependence and contingency. It explores the intentions, opportunities and constraints of economic agency by analyzing the interdependencies between institutions at different levels and industrial organization, interaction, innovation and evolution, thus exploring the spatial construction of the political economy.

Prerequisite: 1.0 POL credit

Recommended Preparation: ECO100Y1/ECO105Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL372H1 Political Economy of Germany and the EU [24L]**

The goal of this course is to explore the structure of the German political economy in the context of EU integration and economic globalization. Drawing upon the varieties-of-capitalism approach, the main themes in the course will analyze the institutional conditions for growth. In a comparative perspective, the course explores the role of collective agents, corporate governance, collective bargaining, social security systems, population structure, immigration, reunification and their regional manifestations.

Prerequisite: 1.0 POL credit

Exclusion: POL300H1(F) (Taken in 2007-08)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL373H1 Emotions in Political Theory [24L]**

Emotions are central to political life but have often been marginalized in political theory. This course explores various ways in which emotions are relevant to political theory and examines a number of contemporary debates around the new possibilities in bringing a positive consideration of the emotions back into political theory.

Prerequisite: POL200Y1/POLC70H3 and POLC71H3

Exclusion: POL373Y1

Recommended Preparation: POL320Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **JPR374H1 Religion and Power in the Postcolony [24L]**

This course examines the role of a variety of religious forms and spiritual practices in the politics of postcolonial societies, tracing their genealogies from the colonial period to the present. Cases taken principally from Africa and Asia. (*Given by the Departments of Political Science and Religion*)

Prerequisite: 1.0 POL 200-level credit/1.5 full course equivalents in Religious Studies

Exclusion: JPR374Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **JPA376Y0 Transforming Global Politics: Comparative and Chinese Perspectives (formerly POL 376Y1) [48L]**

Set against the backdrop of the rise of China, this course examines the dynamics of global change from comparative and Chinese perspectives. Themes include international security, political economy, political development and democracy, global climate change, economic development, poverty and inequality, corruption, technology innovation, among others. (*Given by the Department of Political Science and the Contemporary Asian Studies Program*)

Prerequisite: POL101Y1/POL208Y1/POL215Y1/POL224Y1/CAS200Y1

Exclusion: POL376Y1/POL376Y0

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL380H1 Topics in International Politics [24L]**

Content in any given year depends on instructor.

Prerequisite: POL208Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL380Y1 Topics in International Politics [48L]**

Content in any given year depends on instructor.

Prerequisite: POL208Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL381H1 Topics in Political Theory [24L]**

A detailed examination of particular authors or topics in political theory.

Content in any given year depends on instructor.

Prerequisite: POL200Y1/POLC70H3 and POLC71H3

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **POL381Y1 Topics in Political Theory [48L]**

A detailed examination of particular authors or topics in political theory.

Content in any given year depends on instructor.

Prerequisite: POL200Y1/POLC70H3 and POLC71H3

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **POL382H1 Topics in Canadian Politics [24L]**

Examines in depth enduring and emerging issues in Canadian politics.

Content in any given year depends on instructor.

Prerequisite: POL214Y1/POL224Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL382Y1 Topics in Canadian Politics [48L]**

Examines in depth enduring and emerging issues in Canadian politics.

Content in any given year depends on instructor.

Prerequisite: POL214Y1/POL224Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL383H1 Jews and Power [24L]**

The course will explore the relationship of Jews to political power.

Among the themes to be covered are: How has the relationship of the Jewish community to political authority changed over time? What is the Jewish conception of political authority? How did Jews protect their communal and individual rights in the absence of sovereignty? How did the dynamics of antisemitism, philosemitism, and anti-Jewish violence change over time? How did Zionism and the revival of Jewish sovereignty change the position of Jews in the political order? What are

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the political and moral dilemmas posed by statehood? And what are the implications of Jewish sovereignty for Jews in the Diaspora?

Prerequisite: POL101Y1/CJS200H1/CJS201H1

Exclusion: CJS383H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL395H1 Research Participation [TBA]**

Credit course for supervised participation in a faculty research project. Offered only when a faculty member is willing and available to supervise. Interested faculty review plans with the Undergraduate Director, and then make the opportunity known to students as appropriate. Check with Undergraduate Office for more details and faculty proposal form. Not eligible for CR/NCR option.

Prerequisite: Available to students in their third year of study (who have completed at least 9 full courses or their equivalent)

Exclusion: POL299Y1

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **POL396H1 Research Participation [TBA]**

Credit course for supervised participation in a faculty research project. Offered only when a faculty member is willing and available to supervise. Interested faculty review plans with the Undergraduate Director, and then make the opportunity known to students as appropriate. Check with Undergraduate Office for more details and faculty proposal form. Not eligible for CR/NCR option.

Prerequisite: Available to students in their third year of study (who have completed at least 9 full courses or their equivalent)

Exclusion: POL299Y1

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **POL397Y1 Research Participation [TBA]**

Credit course for supervised participation in a faculty research project. Offered only when a faculty member is willing and available to supervise. Interested faculty review plans with the Undergraduate Director, and then make the opportunity known to students as appropriate. Check with Undergraduate Office for more details and faculty proposal form. Not eligible for CR/NCR option.

Prerequisite: Available to students in their third year of study (who have completed at least 9 full courses or their equivalent)

Exclusion: POL299Y1

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **POL398H0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **POL399Y0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **400-Series Courses**

### **JRA401H1 Topics in Comparative Politics V [24S]**

Selected issues in comparative politics. Content and instructor varies from year to year. (*Given by the Department of Political Science and the Centre for European, Russian and Eurasian Studies*)

Prerequisite: 2.0 POL credits in comparative politics. See the

Department's website

<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Exclusion: POL 438H (taken in 2013-14 and 2014-15)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **JRA401Y1 Topics in Comparative Politics V [48S]**

Selected issues in comparative politics. Content and instructor varies from year to year. (*Given by the Department of Political Science and the Centre for European, Russian and Eurasian Studies*)

Prerequisite: 2.0 POL credits in comparative politics. See the

Department's website

<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **JRA402H1 Topics in Comparative Politics VI [24S]**

Selected issues in comparative politics. Content and instructor varies from year to year. (*Given by the Department of Political Science and the Centre for European, Russian and Eurasian Studies*)

Prerequisite: 2.0 POL credits in comparative politics. See the

Department's website

<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Exclusion: POL 410H (taken in 2013-14 and 2014-15)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **POL402H1 Problems in the Political Thought of the Socratic School (formerly POL402Y1) [24S]**

Study of a small number of texts illuminating the origins and/or legacy of Socratic political philosophy.

Prerequisite: POL320Y1/POL323H1/POL323Y1/POL330H1/POL330Y1

Exclusion: POL402Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

### **POL404Y1 Public, Private and the Liberal State [48S]**

Liberalism, it is sometimes said, stands or falls with the distinction between public and private. The seminar examines how these terms are conceptualized and how they affect the practice of liberal democracy, especially in Canada and the U.S. We will spend the first term developing a conceptual toolkit that will help us understand some of the ways in which public and private are conventionally understood. In the second term we will explore some of the new (and often unexpected) ways in which public and private are playing out these days in public policy—for instance, in education, health, welfare, multiculturalism, professional sports, and war-making.

Prerequisite: 2.0 POL credits

Exclusion: POL410Y1 (2014-15)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)



## **POL406H1 The Politics of Federalism in Comparative Perspective [24S]**

The course first explores the conditions under which federalism and decentralization is good or bad for a variety of policy outcomes. Second, we analyze how voters, candidates and parties behave within a federal institutional context. Finally, we seek to understand the origins and development of federal and decentralized institutions.

Prerequisite: 2.0 POL credits in comparative politics (See the

Department's website

<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group); minimum 14.0 credits

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL408H1 Innovation and Governance [24S]**

The course explores technological change, its socio-economic consequences, spatial implications and aspects of economic policies. As future growth in the knowledge-based economy will be increasingly associated with new products, services and processes, questions of innovation performance and support policy are decisive at the firm, regional and national levels.

Prerequisite: ECO360Y1/HPS201H1/HPS202H1/POL203Y1/POL207Y1/

POL208Y1/POL215Y1/POL224Y1/SOC317Y1/SOC356Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL409H1 Political Economy of Technology: From the Auto-Industrial to the Information Age [24S]**

The course explores the centrality of science and technology in political affairs generally and its current significance for public policy in particular. It applies the conceptual tools of political economy to analyze the nature of technological change in industrial democracies. It assesses the social and political consequences of the current wave of technological innovation and alternative responses of industrial democracies. (Offered in alternate years)

Prerequisite: CSC300H1/ECO360Y1/GGR431H1/HPS201H1/HPS202H1/HPS431H1/POL218Y5/a POL 300 or 400 level course in

comparative politics. See the Department's website

<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group/SOC356Y1.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL410H1 Topics in Comparative Politics III [24S]**

Selected issues in comparative politics. Varies from year to year.

Prerequisite: 2.0 POL credits in comparative politics. See the

Department's website

<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL410Y1 Topics in Comparative Politics III [48S]**

Selected issues in comparative politics. Varies from year to year.

Prerequisite: 2.0 POL credits in comparative politics. See the

Department's website

<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **JPA411H1 The Political Economy of Global Taiwan [24S]**

This course explores the place of Taiwan in the new global economy from historical, comparative, and international relations perspectives. (*Given by the Department of Political Science and the Contemporary Asian Studies Program*)

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL411H1 International Political Economy of Finance [24S]**

The course explains why financial markets exist, and their evolution, by looking at the agents, actors, and institutions that generate demand for them. We also consider the consequences of increasingly integrated markets, the causes of systemic financial crises, as well as the implications and feasibility of regulation.

Prerequisite: POL208Y1; ECO100Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL412H1 Human Rights and International Relations [24S]**

Human rights have become dominant in international politics since the end of World War II. The process of creating and implementing human rights is political. We explore historical, philosophical, and empirical explanations of the roots, effects, and implications of human rights today through a variety of topics.

Prerequisite: POL201Y1/POL208Y1/POL320Y1

Exclusion: POL412Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL413H1 Global Environmental Politics [24S]**

Examines the challenges faced by humanity in dealing with global environmental problems and the politics of addressing them. Focuses on both the underlying factors that shape the politics of global environmental problems such as scientific uncertainty, North-South conflict, and globalization and explores attempts at the governance of specific environmental issues.

Prerequisite: POL208Y1 or equivalent

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL417Y1 Global South in International Politics [48S]**

The countries of Africa, Asia, Latin America, and the Middle East; their impact on the international system, and the external and internal factors that influence their international behaviour, with particular focus on civil wars.

Prerequisite: POL201Y1/POL208Y1/POL215Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **JPR419H1 Secularism and Religion (formerly RLG419H1) [24S]**

Themes considered include what notion of religion is necessary for secular governance, and how secularity relates to particular discourses of citizenship and practices of political rule. Case studies include the effects of colonial rule on religious life; Jewish emancipation in Europe; and religious freedom in France and North America. (*Given by the Departments of Political Science and Religion*)

Registration in this course is through the Department of Religion.

Prerequisite: 2.0 200-level (or above) credits in Political Science or

Study of Religion/permission of the instructor

Exclusion: RLG419H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

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## **POL419H1 Quantitative Methods and Data Analysis [24S]**

Covers advanced level treatment of quantitative empirical research methods in political science. The emphasis is given to theoretical foundations, various research designs, and statistical methods of "causal inference." Students will also be exposed to prominent applications of these methods and learn how to use statistical software to apply these methods in data analysis.

Prerequisite: POL232H1/POL242Y1/one course in STA

Exclusion: POL419Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL421H1 Maimonides and His Modern Interpreters [24S]**

The course offers an introduction to the seminal work of Jewish philosophy, 'The Guide of the Perplexed' by Moses Maimonides. We will delve into some of the basic themes of Jewish philosophical theology and religion as they are treated by Maimonides.

Prerequisite: Minimum 14 credits

Exclusion: RLG433H1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **POL424H1 Globalization and Indigenous Politics (formerly JPA461Y1) [24S]**

The course explores the intersections of globalization and indigenous politics and introduces students to critical considerations of globalization from the perspective of indigenous peoples. It investigates the dominant economic paradigm as the historical outcome of colonization and examines political and economic alternatives and challenges that various indigenous struggles embody and embrace. Issues explored in the course include indigenous epistemologies, impacts of globalization on indigenous peoples, international indigenous organizing, democratization and political participation, human rights, indigenous economies, contested sovereignties and indigenous social movements. It examines indigenous communities as heterogeneous locations where not only impacts of globalization but forms of engagement and resistance take various forms.

Prerequisite: POL201Y1/ABS201Y1/permission of instructor

Exclusion: POL410H1F (taken in 2009-10); JPA461H1

Recommended Preparation: Preparation Studies in Indigenous/Aboriginal politics or law; studies in globalization

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL426H1 Democracy and Dictatorship [24S]**

The course provides an in-depth introduction to theories of the origins of democracy and dictatorship. In the first part of the course, we examine and compare theories rooted in economic development, voluntarism, institutional design, and historical institutionalism. The latter half of the course applies these different approaches to debates over the origins of Nazi rule in Germany in the 1930s, military dictatorship in Chile in the 1970s, and non-democratic rule in contemporary Russia.

Prerequisite: 1.0 POL credit; minimum 14 credits

Exclusion: POL443H1(S) (taken in 2006-07, 2007-08, 2008-09)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL428H1 Federalism and Diversity in Canada (and Beyond) [24S]**

Canada as a key case in comparative federalism studies, with a particular focus on the management of diversity and conflict. Federal theory is applied to analyze federal institutions and dynamics in Canada (and other cases). Topics include the distribution of power, the judiciary's role and group representation.

Prerequisite: POL214Y1Y and POL316Y1Y

Exclusion: POL 491H1 (S)(Taken in 2013-14 and 2014-15)

Recommended Preparation: One course in comparative politics. See the Department's website

<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL429H1 Democracy and Ethnic Conflict [24S]**

The main theories of ethnic conflict, ethnic violence and nationalism. Focus on the challenges of multiethnic diversity and nationalism for democracy. Origins of nations; construction of ethnic identities; nationalism in the 21st century; causes of ethnic conflict, ethnic riots, and ethnic violence; democracy and ethnic diversity; multinational states and democracy.

Prerequisite: 1.0 POL credit; minimum 14 credits

Exclusion: POL429Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL430Y1 Comparative Studies in Jewish and Non-Jewish Political Thought [48S]**

A comparative examination of major texts of the Jewish tradition, ranging from the Torah to modernity, and texts of the classical or Western traditions raising similar questions. Close reading of a small number of capital works, with special attention to the problem of reason and revelation.

Prerequisite: POL200Y1,

POL320Y1/POL323H1/POL323Y1/POL330H1/POL330Y1/POLC70H3 and POLC71H3/a relevant course in Jewish studies

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2) + Society and its Institutions (3)

## **POL431Y1 Politics and Society in Contemporary China [48S]**

Issues and themes in China's modernization effort with emphasis on 20th century social, political and economic developments.

Prerequisite: 2.0 POL credits; minimum 14 credits

Exclusion: POL431H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL432H1 Feminist Theory: Challenges to Legal and Political Thought [24S]**

Feminist theory offers basic challenges to the foundations of modern political and legal thought. It suggests a different conception of human nature and a different model of epistemology and of appropriate forms of argument about the traditional issues of legal and political theory: justice, power, equality and freedom. Introduction to the foundations of feminist theory, an analysis of its implications for traditional liberal theory, and an application of feminist theory to law.

Prerequisite: JPP343H1/JPP343Y1/POL320Y1

Exclusion: POL432Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**POL433H1 Topics in United States Government and Politics [24S]**

Selected issues and topics in U.S. politics. Varies from year to year.

Prerequisite: 1.0 POL credit

Exclusion: POL433Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**POL434H1 Enlightenment and its Critics (formerly POL434Y1) [24S]**

This course explores, through the writings of its foremost advocates and adversaries, the Enlightenment, the movement to found political life on the principles of scientific reason, universally applicable and accessible to human beings.

Prerequisite: POL320Y1/POL330H1/POL330Y1

Exclusion: POL434Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**POL435H1 Business and Politics: Power in a Global World [24S]**

This seminar course examines the political power of business from an international and comparative perspective. Topics include the role of public authority in governing business behavior, the formation of business interests, corporate lobbying and agenda setting, capitalist ideology, corporate social responsibility, and transnational private governance.

Prerequisite: 2.0 POL credits in International Relations or Comparative Politics. See the Department's website

<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group

Exclusion: POL 438H1 (Taken in 2014-15 and 2015-16)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**JRA437H1 Government, Law and Politics in Russia (formerly POL 437H1) [24S]**

Law in the governance of Russia, in the Soviet and post Soviet periods, including constitutional development, courts, business disputes, crime and criminal justice, corruption, cultural obstacles to legal order, and legal transition in comparative perspective. (*Given by the Department of Political Science and the Centre for European, Russian, and Eurasian Studies*)

Prerequisite: HIS351Y1/POL354H1/POL354Y1/a course in Russia or Soviet politics

Exclusion: POL422Y1/POL437H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**POL438H1 Topics in Comparative Politics I [24S]**

Selected issues in comparative politics. Varies from year to year.

Prerequisite: 2.0 POL credits in comparative politics. See the Department's website

<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**POL438Y1 Topics in Comparative Politics I [48S]**

Selected issues in comparative politics. Varies from year to year.

Prerequisite: 2.0 POL credits in comparative politics. See the Department's website

<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**POL439H1 The Canadian Welfare State in Comparative Perspective [24S]**

The course examines contemporary Canadian social policy in light of the scholarly literature on the welfare states of advanced industrial societies.

Topics include the variety of welfare state regimes in rich nations, and their comparative performance in reducing inequality and poverty, in labour market and economic outcomes, and in addressing the specific circumstances of women. Specific Canadian policy fields examined will include pensions, social assistance, child care and health insurance.

Prerequisite: POL214Y1/POL224Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**POL441H1 Topics in Asian Politics [24S]**

Selected issues in Asian politics. Content in any given year depends on instructor.

Prerequisite: POL201Y1; minimum 14 credits

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**POL442H1 Topics in Latin American Politics [24S]**

The seminar focuses on five countries in the Andean region of Latin America: Venezuela, Colombia, Ecuador, Peru and Bolivia. First part deals with the challenges to democracy in the region. Second part explores potential solutions - in particular the drafting of new constitutions by popularly elected constituent assemblies.

Prerequisite: POL201Y1; POL305Y1

Exclusion: POL442Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**POL443H1 Topics in Comparative Politics II [24S]**

Selected issues in comparative politics. Varies from year to year.

Prerequisite: 2.0 POL credits in comparative politics. See the Department's website

<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**POL443Y1 Topics in Comparative Politics II [48S]**

Selected issues in comparative politics. Varies from year to year.

Prerequisite: 2.0 POL credits in comparative politics. See the Department's website

<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**POL445H1 Politics of Growth in Developing Countries [24S]**

The course examines the politics of economic growth in developing countries. It focuses on political factors to analyze why some developing countries have done better in terms of growth than others. Conceptual frameworks of growth and related themes such as regime type, institutions, inequality and ethnicity will be addressed.

Prerequisite: POL201Y1; minimum 14 credits

Exclusion: POL438H (S) (taken in 2012-13)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL446H1 20th-Century Political Thought [24S]**

The goal of this course is to introduce students to some of the themes and approaches of critical theory (power, subjectivity, ideology, and hegemony).

Prerequisite: POL200Y1/POL320Y1/POLC70H3 and POLC71H3/a course in PHL

Exclusion: POL446Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **POL447H1 Political Economy of Development (formerly POL447Y1) [24S]**

The course explores the rise, evolution, and performance of the dominant neoliberal approach to development and poverty reduction. It also assesses the feasibility and efficacy of alternative development strategies. Case studies are drawn from Latin America, Asia, and Africa.

Prerequisite: POL201Y1/POL215Y1/POL301Y1/POL305Y1; minimum 14 credits

Exclusion: POL447Y1

Recommended Preparation: Introductory economics is helpful

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL450H1 Women and Politics [24S]**

This course uses theories of representation as well as gender and politics analyses of elected women as starting points to evaluate appointed women elites at the international level, notably with reference to linkages between those decision-makers and feminist perspectives on domestic and global politics.

Prerequisite: POL315H1/POL315Y1/POL344H1/POL344Y1/JPP343H1/JPP343Y1

Exclusion: POL450Y1

Recommended Preparation: At least one course in both political behaviour and women's studies

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **JHP451Y1 The People from Nowhere [48S]**

This course traces from earliest times to the present the evolution of a people called Carpatho-Rusyns and their historic homeland Carpathian Rus', located in the heart of Europe. The historic survey will deal with political, socioeconomic, and cultural developments, all the while testing the hypothesis that nationalities are imagined communities. (*Given by the Departments of History and Political Science*)

Recommended Preparation: a course in eastern European history, or in nationalism

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL451H1 Contentious Politics and Social Movements [24S]**

Provides an introduction to various perspectives on contentious politics, social movements, and civil society. Students will acquire a solid foundation in the theories of contention as well as examine case studies of civil society in a comparative context.

Prerequisite: POL201Y1/POL203Y1/POL207Y1/POL214Y1/POL215Y1/POL224Y1 and minimum 14 credits

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **JHP454Y1 Twentieth Century Ukraine [48S]**

World War I and the Russian Revolution: the Ukrainian independence movement; the Soviet Ukraine and west Ukrainian lands during the interwar period; World War II and the German occupation; the Soviet Ukraine before and after the death of Stalin. Socio-economic, cultural, and political developments. (*Given by the Departments of History and Political Science*)

Prerequisite: A course in modern European, East European or Russian history or politics such as

JHP204Y1/HIS250Y1/HIS351Y1/HIS353Y1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL454H1 Innovation and Knowledge Transfer in City Regions (formerly JPJ494H1) [24S]**

This course surveys two of the key themes related to the process of innovation in a knowledge-based economy: the process by which new knowledge is generated and effectively transferred to those organizations with the potential to commercialize it; and secondly, the paradoxical relationship between knowledge creation and proximity in a modern global economy. (Offered in alternate years)

Prerequisite: CSC300H1/ECO360Y1/GGR431H1/HPS202H1/HPS431H1/POL218Y5/a POL 300 or 400 level course in comparative politics.

See the Department's website

<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group/POL409H1/SOC356Y1

Exclusion: JPJ494H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **JPF455Y1 Cities [48S]**

Examines disciplinary and developmental boundaries relating to cities. By bringing together a cross-disciplinary faculty who focus on cities within Political Science, History, Philosophy, Literature, Design, Environment and Health, Geography or Social Work, the course explores interdisciplinary city issues: global change; environment; economic adjustment; state reform and city politics; citizenship; community development; economic development; physical form, territory and political-economy of cities. (*Given by the Departments of Literature, Philosophy, Political Science, Urban Studies, Faculty of Social Work and Faculty of Architecture, Landscape and Design*)

Prerequisite: Minimum 14 credits/permission of instructor

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL456Y1 The G8, G20 and Global Governance [48S]**

The development, operation, and participants of the Group of Eight (G8) and Group of Twenty (G20) of institutions, their growth and performance as centres of global governance, and their relationship with the United Nations (UN) and Bretton Woods galaxy in providing public goods in economic, social, environmental and security realms.

Prerequisite: POL208Y1/POL312Y1/POL343Y1

Recommended Preparation: POL208Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL457Y1 Markets, Justice and the Human Good [48S]**

The course offers a philosophical perspective on the advantages and disadvantages of markets as ways of organizing economic activity. It asks in what ways markets and market-like arrangements can contribute to or create obstacles to the achievement of justice and human well-being.

Prerequisite: POL320Y1 or permission of the instructor

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **JPR458H1 Postsecular Political Thought: Religion, Radicalism and the Limits of Liberalism [24S]**

The course will examine debates on postsecularism and religion's public, political role as articulated by political thinkers such as Jurgen Habermas, by focusing on politically radical or revolutionary challenges to liberalism in the 20th and 21st century, especially from the postcolonial world, whose theoretical arguments are grounded upon or draw their inspiration from religious traditions, doctrines and practices.

Prerequisite: A 3rd year course in Political Science and/or Study of Religion

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **POL459Y1 The Military Instrument of Foreign Policy [48S]**

The relationship of military force to politics: Nuclear war and deterrence, conventional war, revolutionary war, terrorism and counter-insurgency are examined from the perspectives of the U.S., Russia and other contemporary military powers.

Prerequisite: POL208Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL460H1 Studies in Modern Political Theory [24S]**

Studies on a modern political thinker or thinkers since Machiavelli.

Prerequisite: POL320Y1/POL323H1/POL323Y1/POL330H1/POL330Y1

Exclusion: POL460Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **POL461H1 Studies in Civic Republicanism [24S]**

The course focuses on texts in the history of political thought drawn from the tradition of civic republicanism. The texts treated vary from year to year.

Prerequisite: POL200Y1/POLC70H3 and POLC71H3; POL320Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL462H1 Parties and Party Systems: A Canadian Perspective [24S]**

The course examines the central political science theories of parties and party systems with a particular focus on the origins and evolution of party politics in Canada. It covers classic and contemporary theories of party formation, organization, and competition. Topics include the thesis of party decline, mass-elite dynamics, the emergence of new parties, and political polarization.

Prerequisite: POL214Y1/POL224Y1/POLB50Y3

Exclusion: POL462Y1

Recommended Preparation: A course in European or American politics; POL314H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL466H1 Topics in International Politics III [24S]**

For advanced students of international relations. Various topics are taken up each year, the content of which depends on the instructor.

Prerequisite: POL208Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL467H1 The Politics of Immigration and Multiculturalism in Canada [24S]**

This course examines Canadian immigration and multiculturalism from theoretical, empirical and applied perspectives. It includes a discussion of normative foundations, an analysis of the components of the policy framework, and an assessment of the impact of immigration and multiculturalism on other aspects of social, cultural and political life.

Prerequisite: POL214Y1/POL224Y1; 1.0 other POL credit in Canadian politics. See the Department's website

<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group

Exclusion: POL490H1 (S), L0101 (taken in 2013-14)

Breadth Requirement: Society and its Institutions (3)

## **POL468H1 International Relations of Ethnic Conflict [24S]**

This course explores the internationalization of ethnic conflict and the international drivers of civil war. It covers diaspora politics, contagion and demonstration effects, regional security complexes, separatism and irredentism, and international interventions. Students are expected to write an original social science research paper, and participate in discussions, simulations, and teamwork.

Prerequisite: POL208Y1

Exclusion: POL466H1 (Taken in 2013-14, 2014-15, 2015-16)

Recommended Preparation: A 300-level course in International Security is recommended.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL469H1 Ethics and International Relations [24S]**

The course aims to explore the requirements of justice and fairness in international affairs. It is common to theorize international relations in terms of interests and power. But even the most cursory look at what important actors actually do in their international interactions reveals that they use normative language all the time. This has not gone unnoticed, with investigations of ethics in the international arena multiplying in recent years. Drawing on readings from political philosophy, legal theory, and normative international relations theory, the course will take up practical ethical dilemmas encountered in world affairs. The main focus of the course will be on institutions. Examples will be drawn from the issue areas of trade, health, and the environment, among others.

Prerequisite: POL208Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **POL471H1 Urban Revolution: Contemporary Constellations of Spatial Politics [24S]**

An analysis of urban processes in comparative perspective. This course uses critical urban theory to understand contemporary urban politics and urban social movements in a variety of contexts.

Prerequisite: 1.0 POL credit in comparative politics and 1.0 POL credit in political theory. See the Department's website

<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Exclusion: POL 492H1(F), L0101 (Taken in 2013-14 and 2014-15)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

# Political Science

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## **POL472H1 The Comparative Political Economy of Industrial Societies [24S]**

Topics discussed will include the historical origins of advanced capitalist political economies, the 'Varieties of Capitalism' debate, current trajectories of different political economies, labour politics and regulation, the politics of macro-economic policy, the political economy of growth, and Canada's political economy.

Prerequisite: POL207Y1/POL224Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL473H1 Advanced Environmental Politics and Policy in Canada [24S]**

The course introduces students to a variety of political and policy design issues related to the environment. It includes examination of some of the larger issues related to environmental policy in Canada, including oil sands, climate change, biodiversity, aquaculture, and Arctic development issues. Overarching themes in the course include negotiating federalism and understanding democracy in environmental policy, environmental justice, the role of science and precaution in decision making and the strengths/weaknesses of market-based policies.

Prerequisite: POL214Y1/POL224Y1; 1.0 other POL credit in Canadian politics. See the Department's website

<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL474H1 Politics and Policy Analysis [24S]**

Major theories of public policy-making and related approaches to policy analysis are examined from the perspective of political science. Key contributions to the theoretical literature pertaining to leading models are read and discussed. Models of public policy-making are successively applied to analysis of cases of Canadian and comparative policy development.

Prerequisite: POL214Y1/POL224Y1/POL317H1/POL317Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL475Y1 Post-Modern and Contemporary Thought (formerly JPD439Y1) [48S]**

The development of post-modern thought, particularly in French social philosophy, is examined. Topics such as the nature of exchange, the impact of technology, virtual reality, and the digital class are explored.

Authors include Jean Baudrillard, Paul Virilio, Gilles Deleuze, Arthur Kroker, Francois Lyotard.

Exclusion: JPD439Y1

Recommended Preparation: POL200Y1/POLC70H3 and POL C71H3

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **POL476H1 Topics in Public Policy [24S]**

The course is designed for advanced students with serious interests in the public policy field. Specific topics covered will vary from year to year.

Prerequisite: POL214Y1/POL224Y1/POL317H1/POL317Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL476Y1 Topics in Public Policy [48S]**

The course is designed for advanced students with serious interests in the public policy field. Specific topics covered will vary from year to year.

Prerequisite: POL214Y1/POL224Y1/POL317H1/POL317Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL477H1 Advanced Topics in International Political Economy [24S]**

The course is designed for advanced students with serious interests in the subfield of international political economy. Specific topics covered will vary, but all involve the deep interplay between politics and economics in the contemporary world.

Prerequisite: POL208Y1; ECO100Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL478H1 Topics in Methods [24S]**

Various topics are taken up each year, the content of which depends on the instructor.

Prerequisite: POL232H1/POL242Y1/POL322H1/equivalent

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **POL479H1 Topics in Middle East Politics [24S]**

The course examines the contemporary politics of the Middle East and North Africa. It seeks to examine the relative importance of political, socio-economic and ideological factors in the context of such issues as the resilience of authoritarianism, the rise of civil society, and the resurgence of Islamic activism. Theoretical discussion is followed by case studies.

Prerequisite: POL201Y1/NMC217Y; minimum 14 credits

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL480H1 Studies in Comparative Political Theory [36S]**

We will critically examine what "comparative political theory" is and what it would mean to genuinely "deparochialize" political theory, that is, to de-center Euro-American thought in the study of political ideas. The course neither presupposes background knowledge of any non-Western thought tradition, nor does it aspire to provide students with sufficient knowledge of particular traditions to ground serious scholarly contributions to this emerging field. To provide that background would require a series of specialized courses in, e.g., East Asian political thought, Indian political thought, Latin American political thought, Indigenous political thought, African political thought, and so on. Rather, the course aims at sharpening our understanding of (a) the purposes served by "deparochializing" political theory; and (b) the various methods by which we can seek to serve these purposes.

Prerequisite: POL200Y1/POL320Y1/JPP343H1/JPP343Y1/POLC70H3 and POLC71H3

Exclusion: POL480Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **POL481H1 Geopolitics of Cyberspace [24S]**

The Geopolitics of ICTs course is an intensive examination of the ways in which states and non-state actors are contesting the newly evolving terrain of global digital-electronic-telecommunications. Topics covered include Internet censorship and surveillance, information warfare, computer network attacks, hacktivism, and governance of global communications. The course is organized as a series of intensive modules. One feature of the class will be a "hands-on" analysis of

censorship circumvention and network interrogation techniques at the Citizen Lab (<http://www.citizenlab.org/>).

Prerequisite: POL208Y1

Exclusion: POL481Y1/POL486Y1 (taken in 2008-09)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL482H1 The Politics of Disease and Epidemic [24S]**

Examines the mutually constitutive relationship between HIV/AIDS and the social, economic and political characteristics of its "host" society. Class readings focus on South Africa but students will each research key features of the epidemic in the developing country of their choice.

Prerequisite: POL201Y1; minimum 14 credits

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL484H1 Topics in Political Thought I [24S]**

A seminar on a central problem in political thought. It proceeds through the reading of a small number of major texts. Content in any given year depends on instructor.

Prerequisite: POL320Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **POL484Y1 Topics in Political Thought I [48S]**

A seminar on a central problem in political thought. It proceeds through the reading of a small number of major texts. Content in any given year depends on instructor.

Prerequisite: POL320Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **POL485H1 Topics in Political Thought II [24S]**

A seminar on a central problem in political thought. It proceeds through the reading of a small number of major texts. Content in any given year depends on instructor.

Prerequisite: POL320Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **POL485Y1 Topics in Political Thought II [48S]**

A seminar on a central problem in political thought. It proceeds through the reading of a small number of major texts. Content in any given year depends on instructor.

Prerequisite: POL320Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **POL486H1 Topics in International Politics I [24S]**

For advanced students of international relations. Various topics are taken up each year, the content of which depends on the instructor.

Prerequisite: POL208Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL486Y1 Topics in International Politics I [48S]**

For advanced students of international relations. Various topics are taken up each year, the content of which depends on the instructor.

Prerequisite: POL208Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL487H1 Topics in International Politics II [24S]**

For advanced students of international relations. Various topics are taken up each year, the content of which depends on the instructor.

Prerequisite: POL208Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL487Y1 Topics in International Politics II [48S]**

For advanced students of international relations. Various topics are taken up each year, the content of which depends on the instructor.

Prerequisite: POL208Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL488H1 Topics in African Politics I [24S]**

In depth examination of specific themes relating to contemporary African politics. Content in any given year depends on instructor.

Prerequisite: POL201Y1/POL301Y1; minimum 14 credits

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL488Y1 Topics in African Politics I [48S]**

In depth examination of specific themes relating to contemporary African politics. Content in any given year depends on instructor.

Prerequisite: POL201Y1/POL301Y1; minimum 14 credits

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL489H1 Topics in African Politics II [24S]**

In depth examination of specific themes relating to contemporary African politics. Content in any given year depends on instructor.

Prerequisite: POL201Y1/POL301Y1; minimum 14 credits

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL489Y1 Topics in African Politics II [48S]**

In depth examination of specific themes relating to contemporary African politics. Content in any given year depends on instructor.

Prerequisite: POL201Y1/POL301Y1; minimum 14 credits

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL490H1 Topics in Canadian Politics I [24S]**

Examines in depth enduring and emerging issues in Canadian politics. Content in any given year depends on instructor.

Prerequisite: POL214Y1/POL224Y1; 1.0 other POL credit in Canadian politics. See the Department's website

<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **POL490Y1 Topics in Canadian Politics I [48S]**

Examines in depth enduring and emerging issues in Canadian politics. Content in any given year depends on instructor.

Prerequisite: POL214Y1/POL224Y1; 1.0 other POL credit in Canadian politics. See the Department's website

<http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

# Political Science

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## **POL491H1 Topics in Canadian Politics II [24S]**

Examines in depth enduring and emerging issues in Canadian politics. Content in any given year depends on instructor.

Prerequisite: POL214Y1/POL224Y1; 1.0 other POL credit in Canadian politics. See the Department's website <http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **POL491Y1 Topics in Canadian Politics II [48S]**

Examines in depth enduring and emerging issues in Canadian politics. Content in any given year depends on instructor.

Prerequisite: POL214Y1/POL224Y1; 1.0 other POL credit in Canadian politics. See the Department's website <http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **POL492H1 Topics in Comparative Politics IV [24S]**

Selected issues in comparative politics. Varies from year to year.

Prerequisite: 2.0 POL credits in comparative politics. See the Department's website <http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **POL492Y1 Topics in Comparative Politics IV [48S]**

Selected issues in comparative politics. Varies from year to year.

Prerequisite: 2.0 POL credits in comparative politics. See the Department's website <http://politics.utoronto.ca/undergraduate/courses/fallwinter-timetable/> for POL courses by area group.

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **POL493H1 Topics in Politics I [24S]**

An in-depth examination of a "big issue" in Political Science. Content in any given year depends on instructor.

Prerequisite: 3.0 POL credits; minimum 14 credits  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **POL494H1 Topics in Politics II [36S]**

An in-depth examination of a "big issue" in Political Science. Content in any given year depends on instructor.

Prerequisite: 3.0 POL credits; minimum 14 credits  
Exclusion: POL491Y1  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **POL495Y1 Independent Studies [TBA]**

Open only when a Political Science full-time faculty member is willing and available to supervise. Students must find an appropriate supervisor in the Department of Political Science and obtain the approval of the Director of Undergraduate Studies before enrolling. Obtain details and an application form from the Department Undergraduate Office. Application forms can also be downloaded from the Department's website at [www.politics.utoronto.ca](http://www.politics.utoronto.ca). Not eligible for CR/NCR option.

Exclusion: POL496H1/POL497H1  
Distribution Requirement Status: Social Science

Breadth Requirement: None

## **POL496H1 Independent Studies [TBA]**

Open only when a Political Science full-time faculty member is willing and available to supervise. Students must find an appropriate supervisor in the Department of Political Science and obtain the approval of the Director of Undergraduate Studies before enrolling. Obtain details and an application form from the Department Undergraduate Office. Application forms can also be downloaded from the Department's website at [www.politics.utoronto.ca](http://www.politics.utoronto.ca). Not eligible for CR/NCR option.

Exclusion: POL495Y1  
Distribution Requirement Status: Social Science  
Breadth Requirement: None

## **POL497H1 Independent Studies [TBA]**

Open only when a Political Science full-time faculty member is willing and available to supervise. Students must find an appropriate supervisor in the Department of Political Science and obtain the approval of the Director of Undergraduate Studies before enrolling. Obtain details and an application form from the Department Undergraduate Office. Application forms can also be downloaded from the Department's website at [www.politics.utoronto.ca](http://www.politics.utoronto.ca). Not eligible for CR/NCR option.

Exclusion: POL495Y1  
Distribution Requirement Status: Social Science  
Breadth Requirement: None

## **POL498H1 Intensive Course [TBA]**

Content in any given year depends on instructor. Intensive courses are offered by distinguished visitors from around the world. Students in their 4th year are strongly encouraged to take advantage of this unique opportunity to study with one or more outstanding visiting international scholars that the Department brings from time to time. The intensive course usually runs for approximately 3-4 weeks.

Distribution Requirement Status: Social Science  
Breadth Requirement: None

## **POL498Y1 Intensive Course [TBA]**

Content in any given year depends on instructor. Intensive courses are offered by distinguished visitors from around the world. Students in their 4th year are strongly encouraged to take advantage of this unique opportunity to study with one or more outstanding visiting international scholars that the Department brings from time to time. The intensive course usually runs for approximately 3-4 weeks.

Distribution Requirement Status: Social Science  
Breadth Requirement: None

## **POL499Y1 Senior Thesis and Thesis Seminar [TBA]**

A 40 to 60 page (15,000 to 20,000 word) research paper (75% of the final mark) written under the supervision of a political science faculty member and a companion thesis seminar (25% of final mark). The seminar provides a forum for students to periodically present and discuss their on-going research and to examine issues and approaches related to the structure, organization and presentation of the thesis. Not eligible for CR/NCR option.

Prerequisite: 4th year status in Specialist or Joint Specialist programs in Political Science; 3.0 GPA in Political Science courses; supervisor's approval; an approved thesis proposal.

Exclusion: POL495Y1/POL496H1/POL497H1 (taken in the same session)

Distribution Requirement Status: Social Science  
Breadth Requirement: None



## Faculty

### Professors Emeriti

Ricardo Sternberg, MA, Ph D (SM)  
J.R. Webster, MA, Ph D, FRSC (SM)

### Professor and Chair of the Department

L. Colantoni, MA, Ph D

### Associate Professor, Teaching Stream and Associate Chair (Undergraduate Studies)

Manuela Marujo, MA, Ph D

### Assistant Professors

Suzi Lima, MA, Ph D  
Anabela Rato, MA, Ph D

### Lecturer (Instituto Camões)

TBA

## Introduction

### Overview:

Portuguese is the sixth most widely used language in the world. It is spoken by more than two hundred and sixty million people on four continents inhabited by the Lusophone population: Europe, Africa, Asia, and the Americas. Twenty percent of all residents of the Western Hemisphere are Brazilians, a fact attesting to the truth that one out of every five Americans - North, Central, South - speaks Portuguese as his or her native language. The literature of Portugal has a tradition that goes back as far as the twelfth century, and the discoveries of its Renaissance seafarers led the language and the culture to all corners of the globe.

The Department offers an integrated curriculum, combining courses in language, linguistics, literature and culture. Courses in the studies of the Lusophone world provide a diverse, flexible and detailed examination of the Portuguese language and its cultures. The skills and knowledge developed in these courses lay the groundwork for careers in teaching, journalism, translation, publishing, and foreign services, as well as for research in a variety of fields. In the Canadian job market, command of Portuguese language is a definite advantage. Toronto has one of the largest Portuguese speaking diasporas, and Canada has been establishing strong cultural, political and business ties with Brazil.

### Why should I learn Portuguese?

- Portuguese gives you access to a rich and fascinating culture.
- Portuguese is the world's sixth most widely spoken language.
- Portuguese is a mother tongue in the 5 continents, parallel only to

English and Spanish.

- Portuguese is the most widely spoken language in the Southern Hemisphere.
- Portuguese unites Portuguese-speaking diasporas all over the world in countries such as Canada, the United States, South-Africa, France or Switzerland.
- Portuguese has one of the highest growth rates as a second language in the Internet, in social networks and in learning as a foreign language.
- Portuguese is a Romance language, so if you already know another Romance language (Spanish, Italian, etc.), you will find it easier to learn it.
- Portuguese is now the first foreign language in the educational system of many countries.
- Portuguese is the official language of some of the fastest growing economies in the world, namely Brazil and Angola.

### What can I do with a degree in Portuguese?

- Education
- Marketing, Editing, Copywriting
- Journalism, Media
- Library and Information Sciences
- Public Relations
- Research
- Foreign Services/Foreign Affairs Specialist
- International development
- Political Aid
- National and international law

### How is the program structured?

For many students, our program begins with the language sequence.

### Language sequence:

1. The Department reserves the right to place students in the language course best suited to their linguistic preparation. Please contact Prof. Manuela Marujo (manuela.marujo@utoronto.ca) if you would like to take a Placement test to help you determine your level of linguistic competence in Portuguese.
2. Students who, in the department's assessment, have an adequate knowledge of Portuguese may be required to take a Portuguese literature or culture course instead of a language course at any level.

The progression of courses in the language sequence is designed to accommodate a wide range of previous language experience. Students are placed in the appropriate language course based on their proficiency as determined by departmental assessment.

Students who have had little to no previous experience in studying Portuguese may enrol in an intensive course, **PRT100Y1**.

Students who have a strong background in Spanish

# Portuguese

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language (native fluency or minimum SPA320Y), should enrol in **PRT120Y1**.

Students who have had previous experience in studying Portuguese may enrol in several intermediate and advanced courses, depending on their background and their level of preparation. Speakers with an intermediate level of Portuguese, including those who successfully completed PRT100Y1 or PRT120Y1, should enrol in **PRT220Y1**.

Those students who have had exposure to spoken Portuguese in an informal context (i.e., those who live in a Portuguese-speaking environment; for instance, those who have grown up in a Portuguese-speaking country, or who live in Portuguese speaking families), but who have had little to no exposure to written Portuguese, should enrol in **PRT219Y1**. Students who qualify for this course are able to understand and speak Portuguese. They speak Portuguese relatively fluently, but they usually do not write or read Portuguese.

Students who have completed PRT219Y1 or PRT220Y1, should proceed to **PRT320Y1**. Those students who come to the program with an advanced level of Portuguese as assessed by the department, should also proceed to take **PRT320Y1**.

Following PRT320Y1, students are qualified to enrol in **PRT420H1**. This course is appropriate for students with a relatively high vocabulary base and good command of grammar who need to increase their lexicon, and who need further formal instruction in grammar and writing.

PRT423H1, a course for advanced speakers of Portuguese, trains students to develop their skills in a range of professional language fields, such as finances, law, medicine and education.

Students who are unsure of what is the most appropriate placement for them in the language sequence should contact the Associate Chair of the department, Prof. Manuela Marujo ([manuela.marujo@utoronto.ca](mailto:manuela.marujo@utoronto.ca)) to receive personal assessment and recommendation for proper placement.

Fluent speakers of Portuguese who have received a high school or a higher level of education in Portuguese language, and who in the department's assessment do not need further training in language, may enrol immediately in any linguistics, literature or culture course.

## Literature, culture and linguistics courses:

Portuguese opens the door to a rich range of cultural

expressions in literature, film, and art, from the world-changing contribution of Renaissance Portugal to the contemporary Brazilian and Luso-African diaspora. Whether it is Nobel-prize winning Portuguese literature or the excitement of the Brazilian cinema novo, Lusophone writers, filmmakers, and artists continue to shape and change contemporary global culture.

Portuguese also opens the door to the study of the Romance language family. The Department offers students the opportunity to advance their language skills through the systematic reflection on the language structure. Through a variety of courses with a theoretical and experimental focus in linguistics, students acquire basic skills that can be transferred to teaching or research programs. Through collaboration with other language and linguistics programs, students are provided with opportunities and training to conduct research in linguistics with a focus on Portuguese language.

The Department encourages students to consider completing part of their course work at a university in Portugal or Brazil.

Students should contact the Undergraduate Coordinator early on in the course of their university career to receive advice on how to proceed with their studies, and to thus assure that they can receive their degree by the time of planned graduation. For further information, please visit us in the Department of Spanish and Portuguese,

Victoria College, Room 208

or contact us at: (416) 813-4080. Email: [spanport@chass.utoronto.ca](mailto:spanport@chass.utoronto.ca)

Undergraduate Coordinator: Professor Sanda Munjic (416) 813-4082.

E-mail: [spanport.undergraduate@utoronto.ca](mailto:spanport.undergraduate@utoronto.ca)

Web site: [www.spanport.utoronto.ca](http://www.spanport.utoronto.ca)

## Portuguese Programs

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Enrolment in the Portuguese programs requires the completion of 4.0 courses.

## Portuguese Specialist (Arts program)

Consult Professor Sanda Munjic, Department of Spanish and Portuguese.

(10 full courses or their equivalent, including at least one 400-series course)

First Year:

PRT100Y1/PRT120Y1/PRT219Y1/PRT220Y1

Second Year:

1. PRT220Y1/PRT320Y1
2. PRT258H1

Third and Fourth Years:

1. PRT320Y1
2. PRT420H1 / PRT423H1
3. Plus additional PRT courses to make ten courses. Up to two full-course equivalents may be taken from cognate departmental or college offerings: GGR, HIS, LAS, POL, SPA. A complete list of eligible courses is available from the Undergraduate Coordinator.

## Portuguese Major (Arts Program)

Consult Professor Sanda Munjic, Department of Spanish and Portuguese.

(7 full courses or their equivalent)

First Year:

PRT100Y1/PRT120Y1/PRT219Y1/PRT220Y1

Second Year:

1. PRT220Y1/PRT320Y1
2. PRT258H1

Third and Fourth Years:

1. PRT320Y1
2. PRT420H1 is recommended for students who start in PRT100Y1, and is required for students who start in PRT220Y1 or higher language course.
3. Plus additional PRT courses to make seven courses. Up to one full-course equivalent may be taken from cognate departmental or college offerings: GGR, HIS, LAS, POL, SPA. A complete list of eligible courses is available from the Undergraduate Coordinator.

## Portuguese Minor (Arts Program)

Consult Professor Sanda Munjic, Department of Spanish and Portuguese.

4 full courses or their equivalent, including at least one course at the 300+ level.

First Year:

PRT100Y1/ PRT220Y1; PRT219Y1 (for native / bilingual speakers of Spanish)

Second Year:

PRT220Y1 / PRT320Y1;

Third Year:

PRT320Y1

Additional PRT courses to make four (4.0 FCE) courses. Up to one full-course (1.0 FCE) equivalent of cognate credit may be taken in Spanish.

## Faculty of Arts & Science Language Citation

The Department of Spanish and Portuguese participates in the Faculty of Arts and Science's Language Citation initiative for Portuguese. For a full description of the Language Citation requirements, see the Calendar in the "Degree Requirements" section.

To complete the language citation in Portuguese students will normally complete the two language-sequence courses that follow the introductory level:

PRT219Y1 or PRT220Y1  
PRT320Y1

Native and bilingual speakers should complete [PRT219Y1](#) and two additional half-courses in Portuguese in the 300- or 400-series.

Students should note that, as explained in this Calendar, the Language Citation is not equivalent to an academic program and that enrolment in a program is not necessary in order to earn the recognition bestowed by the Citation.

To request the citation, e-mail your request with your student ID number to the Undergraduate Coordinator ([spanport.undergraduate@utoronto.ca](mailto:spanport.undergraduate@utoronto.ca)).

## Portuguese: see also European Studies; Latin American Studies

Portuguese: see also European Studies; Latin American Studies

## Portuguese Courses

### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

## Notes

1. The Department reserves the right to place students in the language course best suited to their linguistic preparation.
2. Students who, in the department's assessment, have an adequate knowledge of Portuguese may be required to take a Portuguese linguistics, literature or culture course instead of a language course at any level.

# Portuguese

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## **PRT100Y1 Portuguese for Beginners [48L/48T]**

An introduction to the main elements of the language with emphasis on oral and written practice. The course is designed for students with no previous knowledge in Portuguese.

Prerequisite: No previous knowledge of Portuguese.

Exclusion: PRT110Y1, PRT120Y1, PRT219Y1, PRT220Y1, PRT320Y1, PRT420H1, PRT420Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **PRT120Y1 Portuguese for Speakers of Spanish [48L/24T]**

Introduction to the Portuguese language for speakers of Spanish. Overview of basic grammatical structures, development of vocabulary and oral and written expression.

Prerequisite: Advanced (min. SPA320Y), or native (or near-native) knowledge of Spanish; (or possibly of other Romance language); no previous knowledge of Portuguese.

Exclusion: PRT100Y1, PRT110Y1, PRT219Y1/PRT220Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **PRT219Y1 Academic Portuguese [48L/24T]**

Meets the needs of students who have had exposure to spoken Portuguese in an informal context (living in a Portuguese speaking country, or in a Portuguese speaking family) but little to no exposure to written Portuguese. The course reviews English/ Portuguese spelling differences; written and spoken registers of Portuguese, and basic aspects of the grammatical system. The course (1) provides students with the essential understanding of Portuguese grammatical system; (2) builds their vocabulary; and (3) trains them to express themselves formally in both spoken and written Portuguese.

Prerequisite: Basic to relatively high ability to speak and understand Portuguese; limited or no formal education in Portuguese.

Exclusion: PRT100Y1, PRT110Y1, PRT120Y1, PRT220Y1

Breadth Requirement: Creative and Cultural Representations (1)

## **PRT220Y1 Intermediate Portuguese [48L/24T]**

Intermediate Portuguese for non-natives. Intensive grammar review of the structures of Portuguese integrated with an introduction to reading authentic Portuguese material, with practice designed to build vocabulary and to improve oral and written expression.

Prerequisite: PRT100Y1; PRT120Y1

Exclusion: PRT219Y1/PRT110Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **PRT234H1 Portuguese Immigration to North America [24L]**

This course examines Portuguese immigration in North America. It highlights selected themes and topics, focused on Portuguese settlements in USA and Canada. Through readings, films and other art forms students will analyze concepts of cultural history, self and identity, community building and related issues.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **PRT250H1 Portuguese Culture & Civilization [24L]**

A survey of historical and cultural trends in Portugal from the birth of the nation to the present. Art and music are studied in addition to historical/cultural movements to gain a perspective of the uniqueness of Portugal both within Iberia and in Europe in general. (Offered in alternate years; taught in English)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **PRT252H1 Portuguese Island Culture [24L]**

Portuguese literature, art, and culture in the context of colonization and immigration, with a specific emphasis on the Portuguese Azorean Islands. Readings in the cultural heritage of island settlements, and in diasporic movements to other countries. (Offered in alternate years; taught in English.)

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **PRT255H1 The Brazilian Puzzle: Culture and Identity [24L]**

This course examines the historical and cultural contexts of Brazilian identity. The impact of colonial history on issues such as race, religion and regionalism is explored. The course focuses on the 19th and 20th centuries: Positivism, Modernism, the Anthropophagous Movement, music and Cinema Novo are discussed. (Offered in alternate years; taught in English)

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **PRT258H1 Introduction to Luso-Brazilian Studies (formerly PRT258Y1) [24L]**

The introductory study of literary texts and consideration of the various ways authors express and situate themselves in culture. Semiotics, gender, the literary canon, advertising, the nature of literary language, and cinema.

Exclusion: PRT258Y1

Recommended Preparation: PRT219Y1/PRT220Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **PRT299Y1 Research Opportunity Program**

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **PRT320Y1 Composition and Oral Practice [48L/24T]**

Intensive practice in written and oral Portuguese for the advanced student. Selective review of grammar with emphasis on the complex sentences.

Prerequisite: PRT219Y1/PRT220Y1 or equivalent

Exclusion: PRT420Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **PRT340H1 Diaspora and Exile in Literature [24L]**

The experience of displacement, accounts of exile and of the diaspora, has given rise to a renewal of narrative. The course examines the parameters of this new narrative with special focus on the Luso-Brazilian literature and the themes of saudade, desterro, and dystopia.

Prerequisite: PRT258H1

Recommended Preparation: PRT219Y1/PRT220Y1. Ability to read Portuguese. Class will be conducted in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **PRT345H1 New Narratives: from Orality to New Media [24L]**

The evolution of narrative practices from orality to text based literature and the advent of the digital revolution as story telling moves from literacy to so-called post-literacy. The course examines, with examples drawn from Luso-Brazilian literature, how storytelling and reading change in non-linear narratives.

Prerequisite: PRT258H1

Recommended Preparation: PRT219Y1/PRT220Y1. Ability to read Portuguese. Class will be conducted in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **PRT355H1 Topics in Brazilian Studies [24L]**

A course on a specific topic in Brazilian culture, designed for advanced students. Course content and instructor are established on a yearly basis.

Prerequisite: PRT258H1

Recommended Preparation: PRT219Y1/PRT220Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **PRT356H1 Topics in Portuguese linguistics [24S]**

A course on a specific topic in Portuguese linguistics, designed for advanced students. Course content and instructor are established on a yearly basis.

Prerequisite: PRT219Y1 / PRT220Y1

Corequisite: PRT320Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PRT358H1 Topics in Portuguese Studies [24L]**

In years when this course is offered, topics are described in detail on the departmental webpage. Students can enrol in this course multiple times, as long as the topic of the course is different. For any questions, please check with the department.

Prerequisite: PRT219Y1/PRT220Y1, PRT258H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **PRT359H1 From Pessoa to Saramago (formerly PRT456Y1) [24L]**

An examination of Portuguese literature as it confronts the changing social, political, and aesthetic currents of the twentieth century. The Orpheu movement of Pessoa and Sa-Carneiro, Presenca and Neo-Realism as well as contemporary authors such as Lydia Jorge and Jose Saramago are studied. (Offered in alternate years)

Prerequisite: PRT219Y1/PRT220Y1, PRT258H1

Exclusion: PRT456Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **PRT364H1 Portuguese Language in the World [24L]**

An overview of the varieties of Portuguese spoken in four continents (Europe, South America, Africa, Asia) and a discussion of the structural similarities and differences between the two most extensively studied varieties: European and Brazilian Portuguese. Analysis of linguistic variation in contemporary Portuguese in terms of phonetics, syntax and lexicon.

Prerequisite: PRT219Y1/PRT220Y1

Recommended Preparation: PRT320Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PRT368H1 Brazilian Indigenous Languages [24L]**

Overview of linguistic diversity of Brazil, current practices in the maintenance and revitalization of languages and strategies for empowering indigenous peoples. Linguistic properties of Brazilian languages; introduction to language description by working on small data sets; discussion of the influence of Brazilian indigenous languages on Brazilian Portuguese. Taught in English.

Prerequisite: Any 200-level course

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PRT398H0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **PRT399Y0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **PRT420H1 Advanced Portuguese (formerly PRT420Y1) [24L]**

A study of the more advanced areas of Portuguese grammar and language use. Discussion of issues relating to syntax, vocabulary and style as they arise in essays and readings of literary texts. Intensive written and oral practice.

Prerequisite: PRT320Y1 or equivalent

Exclusion: PRT420Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **PRT423H1 Portuguese for professionals [24L/12P]**

The course will help students to develop language on a range of topics from financial, legal, medical to educational. It will also provide students with the awareness of Lusophone cultures and improve cross-cultural competence.

Prerequisite: PRT320Y1

Recommended Preparation: PRT420H1

Distribution Requirement Status: Humanities

## **PRT458H1 The Luso-Brazilian Short Story [24S]**

The development of the Luso-Brazilian short story. Examination of theories of the genre as they relate to short stories of Machado de Assis, Eça de Queiroz, Graciliano Ramos, João Guimarães Rosa, Clarice Lispector and others. (Offered in alternate years)

Prerequisite: PRT258H1

Recommended Preparation: PRT320Y1, PRT420H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **PRT490H1 Independent Study [TBA]**

Individual study with a member of staff on a topic of common interest including readings, discussion and written assignments. Not eligible for CR/NCR option.

Prerequisite: PRT320Y1 and written approval of the Undergraduate Coordinator

Distribution Requirement Status: Humanities

Breadth Requirement: None

## Faculty

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### University Professors Emeriti

F.I.M. Craik, BSc, PhD, FRSC  
E. Tulving, MA, PhD, D Litt, FD, FRS

### Professors Emeriti

J.L. Freedman, MA, Ph D  
J.E. Grusec, BA, PhD  
C.P. Herman, BA, PhD  
J.A. Hogan, MA, PhD  
R.S. Lockhart, MA, PhD  
B.B. Murdock, BA, PhD  
B.B. Schiff, M Sc, PhD  
S.J. Shettleworth, MA, PhD  
I. Spence, MA, PhD  
G.C. Walters, BA, PhD  
J.S. Yeomans, BA, PhD

### Professor and Chair of the Department

S. Ferber, Diplom, PhD

### Professor and Graduate Chair of the Department

M. Moscovitch, MA, PhD

### Associate Professor and Director (Undergraduate Studies)

P. Lockwood, MA, PhD

### Associate Professor and Director (Graduate Studies)

S. Erb, MA, PhD (UTSC)

### Professors

L. Hasher, AB, PhD  
C.C. Helwig, BA, PhD  
J.B. Peterson, BA, PhD  
J.W. Pratt, MS, PhD  
M.R. Ralph, BS, PhD  
A. Chasteen, MA, PhD

### Associate Professors

M. Barese, BA, PhD  
W. Cunningham, MA, MS, PhD  
G. Einstein, AB, PhD  
G. MacDonald, BA, PhD  
E. Page-Gould, PhD  
J.E. Plaks, MA, M Phil, PhD  
R.W. Tafariodi, BA, PhD  
N. Rule, MS, PhD  
K. Takehara, MSc, PhD

### Assistant Professors

D. Bernhardt-Walther, M Phil, PhD  
D. Buchsbaum, MSc, MA, PhD  
K. Duncan, PhD  
C.J. Honey, BSc, PhD  
J. Kim, MSc, PhD  
A. Finn, PhD

### Assistant Professors, Teaching Stream

S. Wood, PhD  
A. Waggoner-Denton, PhD

### Senior Lecturer

D. Dolderman, PhD

### Lecturer

J. Vervaeke, PhD

### Sessional Lecturers

R. Hetherington, MA, PhD  
A. Luby, PhD  
N. Rector, BA, PhD  
G. Rowe, PhD  
N. Stuckless, PhD  
W. Huggon, PhD  
H. Morgan, PhD  
V. H. Fritzley, PhD

### Special Lecturers

J. Downar, MD, PhD  
P. Selby, MA, MD  
B. Toner, PhD

## Introduction

Psychology is that branch of science which focuses on the behaviour of human beings and animals, with particular emphasis on the individual rather than the group. Our courses span the various areas of psychology and introduce students to the methods used in psychological research. The basic tools of the research psychologist include experimentation in the laboratory and field, naturalistic observation, and the use of statistical methods in interpreting data.

Our faculty have highly diversified interests which are reflected in the number and variety of our undergraduate course offerings. These include courses in developmental psychology, social psychology, personality/abnormal psychology, human and animal learning, cognitive psychology, perception, computational neuroscience, cognitive neuroscience, and physiological psychology.

For more information, please consult our website (<http://home.psych.utoronto.ca/>) or one of the following:

Undergraduate Administrator: Sidney Smith Hall, Room 4014 (416-978-3407, [undergrad@psych.utoronto.ca](mailto:undergrad@psych.utoronto.ca))

Prospective Student Inquiries: Sidney Smith Hall, Room 4026 (416-978-7304, [newstudents@psych.utoronto.ca](mailto:newstudents@psych.utoronto.ca))

Main Office/General Inquiries: Sidney Smith Hall, Room 4020 (416-978-5201, [info@psych.utoronto.ca](mailto:info@psych.utoronto.ca))

## Psychology Programs

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Psychology programs at the St. George Campus are designated Type 2 Limited, which means there are a finite number of spaces to offer students. Please note that just meeting the minimum admission requirements does not guarantee one a spot in any of our programs and, in most cases, students will need to exceed them to be competitive given the volume of applications in comparison to the number of program

spaces available.

Entry into all Psychology programs requires the minimum of a senior-level (Gr. 12) high school course in Calculus. Please note that this requirement will not be waived, nor can it be substituted with a different type of math course (i.e. Data Management, Algebra and Geometry, etc.). *Students who completed PSY100Y1 in 1997 or earlier at the University of Toronto are exempt from the Calculus requirement.* Also, effective for admission to the University starting in September 2018, a grade 12 science credit in biology, physics, or chemistry will be required (pending Faculty approval).

### Psychology Minor (Science Program)

You should consider pursuing the Minor Program in Psychology if you are interested in Psychology as a part of your general education or as a complement to your training in another profession (i.e., nursing, rehabilitation medicine, physical health and education, social work, etc.).

The Minor is a Type 2L program that can only accept a limited number of students. The quantity of applications received in a given year always far exceeds the number of spaces available in the program. Eligibility will be based on the following criteria, however, **achieving the minimum marks listed does not guarantee admission to the Minor in any given year.** Please have a back-up plan/program in place, should you not be admitted.

Applying with less than 8 FCEs:

- PSY100H1 with a final mark of at least 73% (**AP and IB Psychology are not accepted**)
- A senior-level (Gr. 12) high school course in Calculus
- Completion of at least 4 FCEs
- Effective for admission to the University starting in September 2018, a grade 12 science credit in biology, physics, or chemistry will be required (pending Faculty approval)

Applying with 8 or more FCEs completed:

- Completion of PSY100H1 (**AP and IB Psychology are not accepted**)
- **A senior-level (Gr. 12) high school course in Calculus**
- **Completion of at least 8 FCEs**
- **Completion of PSY201H1 (or an equivalent course in Statistics)**
- **Minimum completion of 1 FCE at the 200-level in PSY (taken from the PSY210H1 - PSY290H1 series), with an overall average of at least 70%\* taken from the top two grades (this does not include PSY201H1 or PSY202H1)**
- Effective for admission to the University starting in September 2018, a grade 12 science credit in biology, physics, or chemistry will be required (pending Faculty approval)

**\* In past admission cycles, the average grade cut-off for the Minor program ranged from approximately 77-79%. This may vary from year to year, and can be higher.**

Required Courses (4 FCEs):

1. First Year: PSY100H1
2. Statistics: PSY201H1 (or an equivalent course in Statistics)
3. 1 FCE from PSY210H1/PSY220H1/PSY230H1/PSY240H1/PSY260H1/PSY270H1/PSY280H1/PSY290H1
4. 1 FCE in PSY at the 300/400-level from Group 1 (any Cluster)
5. 1 FCE from Groups 1 and/or 2, at any level

(Please note that each of these requirements are individual ones and cannot overlap or be used twice).

### Psychology Major (Science Program)

You should consider pursuing the Major Program in Psychology if you want to concentrate in Psychology together with another discipline.

The Major is a Type 2L program that can only accept a limited number of students. The quantity of applications received in a given year always far exceeds the number of spaces available in the program. Eligibility will be based on the following criteria, however, **achieving the minimum marks listed does not guarantee admission to the Major in any given year.** Please have a back-up plan/program in place, should you not be admitted.

Applying with less than 8 FCEs:

- PSY100H1 with a final mark of at least 75% (**AP and IB Psychology are not accepted**)
- A senior-level (Gr. 12) high school course in Calculus
- Completion of at least 4 FCEs
- Effective for admission to the University starting in September 2018, a grade 12 science credit in biology, physics, or chemistry will be required (pending Faculty approval)

Applying with 8 or more FCEs completed:

- Completion of PSY100H1 (**AP and IB Psychology are not accepted**)
- A senior-level (Gr. 12) high school course in Calculus
- Completion of at least 8 FCEs
- Completion of PSY201H1 (or an equivalent course in Statistics)
- Minimum completion of 1 FCE at the 200-level in PSY (taken from the PSY210H1 - PSY290H1 series), with an overall average of at least 73%\* taken from the top two grades (this does not include PSY201H1 or PSY202H1)
- Effective for admission to the University starting in September 2018, a grade 12 science credit in biology, physics, or chemistry will be required (pending Faculty approval)

**\* In past admission cycles, the average grade cut-off for the Major program ranged from approximately 80-84%. This may vary from year to year, and can be higher.**

Required Courses (7 FCEs):

1. First Year: PSY100H1
2. Statistics: PSY201H1 (or an equivalent course in Statistics)
3. 1 FCE from PSY210H1, PSY220H1, PSY230H1, PSY240H1 (Cluster A)
4. 1 FCE from PSY260H1, PSY270H1, PSY280H1, PSY290H1 (Cluster B)
5. 0.5 FCE in PSY at the 300/400-level from Group 1 in Cluster A
6. 0.5 FCE in PSY at the 300/400-level from Group 1 in Cluster B
7. 1 FCE in PSY at the 300/400-level from Group 1 (any Cluster)
8. 0.5 FCE in PSY at the 400-level from Group 1 (any Cluster)
9. 1.5 FCEs from Groups 1 and/or 2, at any level

(Please note that each of these requirements are individual ones and cannot overlap or be used twice).

### Psychology Specialist (Science program)

You should consider pursuing the Specialist Program in Psychology if you want a greater concentration in Psychology than provided by the Major Program. Please note that having a Specialist is **not required** in order to be admitted to a graduate program in Psychology later on.

The Specialist is a Type 2L program that can only accept a limited number of students. The quantity of applications received in a given year always far exceeds the number of spaces available in the program. Eligibility will be based on the following criteria, however, **achieving the**

# Psychology

**minimum marks listed does not guarantee admission to the Specialist in any given year.** Please have a back-up plan/program in place, should you not be admitted.

Applying with less than 8 FCEs:

- PSY100H1 with a final mark of at least 80% (**AP and IB Psychology are not accepted**)
- **A senior-level (Gr. 12) high school course in Calculus**
- **Completion of at least 4 FCEs**
- Effective for admission to the University starting in September 2018, a grade 12 science credit in biology, physics, or chemistry will be required (pending Faculty approval)

Applying with 8 or more FCEs completed:

- Completion of PSY100H1 (**AP and IB Psychology are not accepted**)
- **A senior-level (Gr. 12) high school course in Calculus**
- **Completion of at least 8 FCEs**
- **Completion of PSY201H1 and PSY202H1 (or their equivalent courses in Statistics)**
- Minimum completion of 1 FCE at the 200-level in PSY (taken from the PSY210H1 - PSY290H1 series), with an overall average of at least 75%\* taken from the top two grades (this does not include PSY201H1 or PSY202H1)
- Effective for admission to the University starting in September 2018, a grade 12 science credit in biology, physics, or chemistry will be required (pending Faculty approval)

**\* In past admission cycles, the average grade cut-off for the Specialist program ranged from approximately 83-86%. This may vary from year to year, and can be higher.**

Required Courses (10 FCEs):

1. First Year: PSY100H1
2. Statistics: PSY201H1 and PSY202H1 (or their equivalent courses in Statistics)
3. 1 FCE from PSY210H1, PSY220H1, PSY230H1, PSY240H1 (Cluster A)
4. 1 FCE from PSY260H1, PSY270H1, PSY280H1, PSY290H1 (Cluster B)
5. 0.5 FCE in PSY at the 300/400-level from Group 1 in Cluster A
6. 0.5 FCE in PSY at the 300/400-level from Group 1 in Cluster B
7. 1.5 FCEs in PSY at the 300/400-level from Group 1 (any Cluster)
8. One lab course (0.5 FCE), and no more, taken from PSY319H1, PSY329H1, PSY339H1, PSY379H1, PSY389H1, or PSY399H1
9. Two seminar courses (1 FCE), and no more, taken from JLP471H1, PSY410H1, PSY420H1, PSY430H1, PSY440H1, PSY460H1, PSY470H1, PSY471H1, PSY480H1, PSY490H1, PSY497H1
10. 2.5 FCEs from Groups 1 and/or 2, at any level

(Please note that each of these requirements are individual ones and cannot overlap or be used twice).

## Psychology Research Specialist - Thesis (Science program)

This program is designed for students who have demonstrated particular interest in and aptitude for research and who want to complete a **thesis**. Admission to the program is based on strong academic performance and expressed interest in research.

Students should apply at the end of their second year and begin the program in their third. Interested students should ideally apply for a PSY Major or Specialist (Non-thesis) at the end of their first year. All students accepted into or considering the Research Specialist program should enrol in a PSY lab course in their third year. In addition to applying in the spring via the Arts & Science website, students may also apply directly to the department in the fall of their third year and begin the program that

January. The deadline for the second round of applications is usually in October. More information on the fall applications can be found at <http://home.psych.utoronto.ca/undergraduate/info/rsp.htm>.

The Research Specialist program is a Type 3 program and, therefore, enrolment is limited to no more than 15 students per year. Eligibility is highly competitive and based on the following criteria. **Please note that meeting the following minimum requirements does not guarantee admission.**

- PSY100H1 with a final mark of at least 80% (**AP and IB Psychology are not accepted**)
- **A senior-level (Gr. 12) high school course in Calculus**
- **Completion of at least 8 FCEs**
- **Completion of PSY201H1 and PSY202H1 (or their equivalent courses in Statistics), with an overall average of at least 75%**
- **Minimum completion of an additional 2 FCEs at the 200-level in PSY (taken from the PSY210H1 - PSY290H1 series), with an overall average of at least 78% taken from the top four grades (this does not include PSY201H1 or PSY202H1)**
- Effective for admission to the University starting in September 2018, a grade 12 science credit in biology, physics, or chemistry will be required (pending Faculty approval)

Required Courses (10 FCEs):

1. First Year: PSY100H1
2. Statistics: PSY201H1 and PSY202H1 (or their equivalent courses in Statistics)
3. 1 FCE from PSY210H1, PSY220H1, PSY230H1, PSY240H1 (Cluster A)
4. 1 FCE from PSY260H1, PSY270H1, PSY280H1, PSY290H1 (Cluster B)
5. 0.5 FCE in PSY at the 300/400-level from Group 1 in Cluster A
6. 0.5 FCE in PSY at the 300/400-level from Group 1 in Cluster B
7. 1 FCE in PSY at the 300/400-level from Group 1 (any Cluster)
8. One lab course (0.5 FCE), and no more, taken from PSY319H1, PSY329H1, PSY339H1, PSY379H1, PSY389H1, or PSY399H1
9. PSY309H1
10. PSY409H1
11. PSY400Y1
12. 2.5 FCEs from Groups 1 and/or 2, at any level

(Please note that each of these requirements are individual ones and cannot overlap or be used twice).

## Environment & Behaviour Minor (Science Program)

Jointly sponsored by the School of the Environment and the Department of Psychology, this program will focus on understanding issues of psychological motivation and attitudes that underlie environmental decision making. Little positive environmental change can occur in the absence of broad-based behaviour changes. Consult David Powell, Undergraduate Student Advisor, School of the Environment, Room 1049A, Earth Sciences Centre, 416-946-8100 or [david.powell@utoronto.ca](mailto:david.powell@utoronto.ca) See the Arts & Science Program Enrolment web site for application procedures.

(4 full courses or their equivalent; must include at least one full course equivalent at the 300+-level.

Enrolment in the Minor program is limited to students also enrolled in the Psychology Minor/Major/Specialist.

Higher Years:

1. (ENV221H1, ENV222H1/GGR222H1)/222Y1/GGR222Y1; PSY220H1, PSY335H1/PSY435H1
2. One FCE from ENV333H1, ENV335H1; JGE321H1;



JGE331H1; SOC385H1  
3. One FCE from PSY320H1, PSY321H1, PSY327H1/PSY427H1, PSY336H1

## Psychology Course Groups

### Group 1 (Courses offered through the Psychology Department):

Cluster A (Courses with a focus on Social/Personality/Developmental/Abnormal Psychology):  
JLP315H1;  
PSY210H1/PSY220H1/PSY230H1/PSY240H1/PSY299Y1/PSY306Y0/P  
SY307H1/PSY308H1/PSY311H1/  
PSY312H1/PSY313H1/PSY316H1/PSY319H1/PSY320H1/PSY321H1/P  
SY322H1/PSY323H1/PSY326H1/  
PSY328H1/PSY329H1/PSY330H1/PSY331H1/PSY332H1/PSY333H1/P  
SY336H1/PSY337H1/PSY339H1/  
PSY341H1/PSY342H1/PSY343H1/PSY402H1/PSY403H1/PSY404H1/P  
SY405H1/PSY405Y1/PSY406H1/PSY406Y1/PSY407H1/  
PSY408H1/PSY410H1/PSY414H1 (formerly PSY314H1)/PSY417H1  
(formerly PSY317H1)/PSY420H1/PSY 421H1/PSY424H1 (formerly  
PSY324H1)/PSY425H1 (formerly PSY325H1)/PSY426H1/PSY427H1  
(formerly PSY327H1)/PSY428H1/PSY430H1/PSY434H1 (formerly  
PSY334H1)/PSY435H1 (formerly PSY335H1)/PSY440H1/PSY450H1  
(formerly PSY300H1)

Cluster B (Courses with a focus on Cognition/Perception/Learning/Brain and Behaviour):  
JLP374H1/JLP471H1, PSY260H1/PSY270H1/PSY280H1/PSY290H1/P  
SY299Y1/PSY306Y0/PSY307H1/  
PSY308H1/PSY312H1/PSY316H1/PSY362H1/PSY370H1/PSY371H1/P  
SY372H1/PSY378H1/PSY379H1/  
PSY380H1/PSY389H1/PSY390H1/PSY395H1/PSY396H1/PSY397H1/P  
SY399H1/PSY402H1/PSY403H1/PSY404H1/  
PSY405H1/PSY405Y1/PSY406H1/PSY406Y1/PSY407H1/PSY408H1/P  
SY450H1 (formerly  
PSY300H1) /PSY460H1/PSY470H1/PSY471H1/PSY473H1 (formerly  
PSY373H1)/PSY474H1/PSY475H1 (formerly  
PSY375H1)/PSY480H1/PSY490H1/PSY492H1 (formerly  
PSY392H1)/PSY493H1 (formerly PSY393H1)/PSY494H1 (formerly  
PSY394H1)/PSY495H1/PSY496H1/PSY497H1

**Note:** Some PSY courses are included in both of Clusters A and B and may count in either cluster, but not both, for program requirements. For Individual Projects (PSY405H1/PSY405Y1/PSY406H1/PSY406Y1) or Special Topics (PSY306Y0/PSY307H1/PSY308H1/PSY407H1/PSY408H1) courses being used to complete the cluster requirement, please confirm group cluster with the Undergraduate Administrator. **No more than 1 FCE of PSY405H1/PSY405Y1/PSY406H1/PSY406Y1 can be used towards any PSY program.**

### Group 2 (Courses relevant to Psychology offered outside the Psychology Department):

BIO120H1/BIO130H1/the former BIO150Y1/BIO220H1/the former BIO250Y1/the former BIO252Y1/BIO270H1/BIO271H1; COG250Y1 (formerly UNI250Y1); CSB332H1; ENG384Y1 (formerly ENG290Y1); ETH220H1; HIS489H1; HMB200H1/HMB220H1 (formerly HMB204H1)/HMB300H1/HMB310H1/HMB320H1/HMB400Y1/HMB420H1/HMB440H1/HMB450H1/HMB473H1; HPS110H1/HPS200H1; JFP450H1; JLS472H1/JLS473H1/JLS474H1; JSV201H1 (formerly VIC261H1); LIN100Y1/LIN200H1; NEW232Y1/NEW302Y1/NEW303H1/NEW331H1/NEW332H1/NEW333H1/NEW335H1/NEW336H1/NEW339H1/NEW432H1/NEW433H1/NEW438H1 (formerly NEW338H1); NFS489H1; PCL475Y1;

PHL240H1/PHL243H1/PHL244H1/PHL319H1/PHL340H1/PHL342H1/PHL383H1; the former POL313Y1 or POL313Y0; PSL201Y1/PSL300H1/the former PSL302Y1/PSL440Y1/PSL444Y1; RLG211H1 (formerly RLG211Y1)/RLG301H1/the former RLG302H1/RLG421H1; RSM260H1/RSM353H1; SOC363H1/SOC412H1; IRE260H1 (formerly WDW260H1)/the former WDW360H1/CRI365H1 (formerly WDW365H1)/CRI431H1 (formerly WDW431H1); VIC278H1; WGS372H1

\*Please note that the courses in Group 2 are optional and that enrolment priority is not given to PSY program students.

## Combined Degree Program (CDP) in Science and Education: Psychology (Major), HBSc/MT

### Combined Degree Program (CDP) in Science and Education: Psychology (Major), Honours Bachelor of Science/Master of Teaching

The Combined Degree Program in Arts/Science and Education is designed for students interested in studying the intersections of teaching subjects and Education, coupled with professional teacher preparation. Students earn an Honours Bachelor's degree from the Faculty of Arts and Science (St. George) and an accredited professional Master of Teaching (MT) degree from the Ontario Institute for Studies in Education (OISE). They will be recommended to the Ontario College of Teachers for an Ontario Teacher's Certificate of Qualifications as elementary or secondary school teachers. The CDP permits the completion of both degrees in six years with 1.0 FCE that may be counted towards both the undergraduate and graduate degrees.

#### Program requirements:

1. Minor in Education and Society, Victoria College
2. Major in Psychology (first teaching subject)
3. Minor in an area corresponding to the second teaching subject as determined by OISE (see [http://pepper.oise.utoronto.ca/~jhewitt/mtresources/intermediate\\_senior\\_teaching\\_subject\\_prerequisites\\_2016-17.pdf](http://pepper.oise.utoronto.ca/~jhewitt/mtresources/intermediate_senior_teaching_subject_prerequisites_2016-17.pdf))

See here for additional information on the CDP, including admission, path to completion and contact information.

## Psychology Courses

We encourage students at all levels, and particularly those who are beginning a program in Psychology, to consult the undergraduate section of the Psychology web site (<http://home.psych.utoronto.ca/undergraduate.htm>) before selecting courses and to discuss their proposed programs with the Undergraduate Administrator.

Courses in the various areas within Psychology and the numbering system associated with these courses follow a specific pattern: PSY XXX. The first digit represents the year, and the second digit represents the area in which the course belongs. Social Psychology, for example, is identified by "2." Therefore, PSY 220 at the second year, PSY 320, 321, 322, etc. at the third year, and PSY 420, 421, 424, etc. at the fourth year represent the Social Psychology courses. Other areas within Psychology follow a similar pattern, with their own identifying number in the middle.

Please note that the Dept. of Psychology will not waive course prerequisites under any circumstances and that Psychology courses do not have co-requisites. Students will have to have prerequisites

completed BEFORE taking a course.

## First-Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### PSY100H1 Introductory Psychology [36L]

A brief introductory survey of psychology as both a biological and social science. Topics will include physiological, learning, perception, motivation, cognition, developmental, personality, abnormal, and social psychology.

Prerequisite: None

Exclusion: PSY100Y1/PSY100Y5/PSYA01Y3/PSYA01H3/PSYA02H3

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## 200-SERIES COURSES

Students registered in a St. George campus PSY program will be given priority to enrol in all PSY courses above the 100-level. Please see the online Arts and Science Registration Instructions and Timetable for more details on enrolment controls.

### PSY201H1 Statistics I [36L]

Fundamentals of descriptive and inferential statistics, including population and sampling distributions, simple association, probability, estimation, and hypothesis testing.

Prerequisite: PSY100H1

Exclusion: ECO220Y1/ECO227Y1/EEB225H1/GGR270H1/HMB325H1/  
POL232H1/POL242Y1/SOC202H1/STA220H1/STA248H1

Recommended Preparation: Grade 12 Calculus

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### PSY202H1 Statistics II [36L]

Fundamentals of statistical analysis of experimental and observational data including linear models, the analysis of variance, a priori contrasts, post-hoc tests, power analysis and effect size calculations.

Prerequisite: PSY201H1 (or exclusion)

Exclusion: ECO220Y1/ECO227Y1/STA221H1/SOC300H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### PSY210H1 Introduction to Development [36L]

The developmental approach to the study of behaviour with reference to sensorimotor skills, cognition, socialization, personality, and emotional behaviour.

Prerequisite: PSY100H1/COG250Y1

Exclusion: PSY210H5/PSYB20H3/PSYB21H3

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

### PSY220H1 Introduction to Social Psychology [36L]

Contemporary areas of research in social psychology: social perception, attitudes, inter-personal relations, and group processes.

Prerequisite: PSY100H1/COG250Y1

Exclusion: PSY220H5/PSYB10H3

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

### PSY230H1 Personality and Its Transformations [36L]

Theory and research in personality structure and dynamics: the interaction of cultural and biological factors in the development and expression of individual differences.

Prerequisite: PSY100H1/COG250Y1

Exclusion: PSY230H5/PSYB30H3

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

### PSY240H1 Introduction to Abnormal Psychology [36L]

A critical survey of concepts, theories, and the state of research in the area of emotionally disturbed persons and therapeutic methods.

Prerequisite: PSY100H1/COG250Y1

Exclusion: PSY240H5/PSYB32H3

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

### PSY260H1 Learning and Plasticity [36L]

Concepts, theories, and applications of classical and contemporary learning theories, including classical and operant conditioning. Current theories of the physiological and anatomical basis of learning and memory, including synaptic plasticity, the role of the hippocampus, amygdala, frontal cortex and other brain regions. Theories will be related to a practical understanding and applications such as drug addiction, phobias and other disorders.

Prerequisite: PSY100H1/COG250Y1, OR registered in the Cognitive Science program

Exclusion: PSY360H5/PSYB45H3

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

### PSY270H1 Introduction to Cognitive Psychology [36L]

An introduction to research and theory on the neural and cognitive architecture of attention, memory, language, thinking and reasoning.

Prerequisite: PSY100H1/COG250Y1, OR registered in the Cognitive Science program

Exclusion: PSY270H5/PSYB57H3

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

### PSY280H1 Sensation and Perception [36L]

An introduction to the physiological and psychological basis of perception across the different sensory modalities in humans and lower animals, with an emphasis on vision. Exploring visual perception such as shape and objects, scenes, colour, space, and motion as well as auditory perception of simple and complex sounds, and location. Further topics may include touch, including perception of temperature, pain and body posture, the chemical senses, and cross-modal influences of the senses on one another. In-class demonstrations may supplement the lectures.

Prerequisite: PSY100H1/COG250Y1, OR registered in the Cognitive Science program

Exclusion: PSY280H5/PSYB51H3

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

**PSY290H1 Physiological Psychology I [36L]**

Provides students with a solid background into the biological basis of behaviour. Animal and human research topics including: functional neuroanatomy, neural signalling, sensory and motor control, motivational systems, and hormones, and emotions.

Prerequisite: PSY100H1/COG250Y1, OR registered in the Cognitive Science program

Exclusion: HMB200H1/HMB220H1/PSL300H1/PSY290H5/PSYB64H3

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

**PSY299Y1 Research Opportunity Program**

Credit course for supervised participation in faculty research project.

Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: None

**300-SERIES COURSES**

Almost all 300/400-level lecture courses require PSY201H1 (Statistics I), or its equivalent, as one of their prerequisites. This will *not* be waived. Students *must* complete the statistics requirement before taking any 300+-level PSY lecture courses. Similarly, 300-level lab and 400-level seminar courses require PSY202H1 (Statistics II), or its equivalent.

**PSY305H1 The Treatment of Psychological Data [36L]**

This course emphasizes advanced use of statistical computer program packages for the treatment of psychological data collected in laboratory and field studies. Students analyze sets of data and interpret results.

Various methods of ensuring the trustworthiness and accuracy of analysis are discussed.

Prerequisite: PSY202H1 (or exclusion)

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**PSY306Y0 Special Topics in Psychology Abroad [48L]**

Special Topics in Psychology for the **Summer Abroad Program**.

Course topics, content, and instructor may vary from one year to another. More information about Psychology course offerings can be obtained from the Professional & International Programs office at Woodsworth College.

Prerequisite: Registration in any psychology and/or social science Major or Specialist, and the completion of at least 8 FCEs.

Distribution Requirement Status: Science

Breadth Requirement: TBA

**PSY307H1 Special Topics in Psychology [36L]**

In depth examination of specific topics/themes relating to Psychology.

Content in any given year depends on instructor. Priority is given to PSY Major program students during the first enrolment period.

Prerequisite: PSY100H1, PSY201H1 (or exclusion), and one further 200-level PSY half-course

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**PSY308H1 Special Topics in Psychology [36L]**

In depth examination of specific topics/themes relating to Psychology.

Content in any given year depends on instructor. Priority is given to PSY Major program students during the first enrolment period.

Prerequisite: PSY100H1, PSY201H1 (or exclusion), and one further 200-level PSY half-course

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**PSY309H1 Research Specialization: Practicum [36P]**

Research Specialists learn about the research opportunities within our department, and develop their skills in the areas of critical thinking, writing, and oral presentation. Students also conduct a pre-thesis research project under the supervision of a faculty member. Ideally, students should complete a PSY lab course (PSY3\*9H1) prior to taking this course, however, taking it concurrently is acceptable as well. Enrolment is restricted to PSY Research Specialists. Not eligible for CR/NCR option.

Prerequisite: PSY202H1 (or exclusion)

Corequisite: PSY3\*9H1 (PSY lab course)

Exclusion: PSY309H5

Distribution Requirement Status: Science

Breadth Requirement: None

**PSY311H1 Social Development [36L]**

Theory and research in social attachment, aggression, morality, imitation and identification, altruism, and parental discipline, with discussion of methodological issues.

Prerequisite: PSY201H1 (or exclusion), PSY210H1/PSY220H1

Exclusion: PSY311H5/PSYC21H3

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**PSY312H1 Cognitive Development [36L]**

Examines the developmental of knowledge in fundamental domains such as spatial perception, navigation, object perception, number, language, and theory of mind. Emphasis is placed on current experimental findings, and on how they address centuries-old debates surrounding the origin and nature of human knowledge.

Prerequisite: PSY201H1 (or exclusion), PSY210H1, and PSY270H1/COG250Y1

Exclusion: PSY312H5

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**PSY313H1 Psychology of Aging [36L]**

Age changes in sensory and perceptual processes, motor skill, learning, memory, and personality. Theory, methodological problems, social, cultural, and environmental influences which shape behaviour and attitudes to and by the elderly.

Prerequisite: PSY201H1 (or exclusion), PSY210H1

Exclusion: PSY213H5/PSY313H5/PSYC21H3

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**JLP315H1 Language Acquisition [36L]**

Infants' abilities at birth, prelinguistic development, the first words, phonological, syntactic and semantic development. Social variables influencing development of language, bilingualism, models of development, language play. (Sponsored by the Departments of Linguistics and Psychology, but administered solely by the Dept. of Linguistics).

Prerequisite: One full course equivalent at the 200+-level in

LIN/JAL/JUP/PSL/PSY/COG

Exclusion: PSY315H5

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY316H1 Perceptual Development [36L]**

The course examines human perceptual development during the first 2-3 years of life. Vision and audition are emphasized. Some topics are: pattern and colour vision, depth perception, infant speech perception.

Prerequisite: PSY201H1 (or exclusion), PSY280H1

Exclusion: PSY316H5

Recommended Preparation: PSY210H1

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY319H1 Developmental Laboratory [36P]**

Provides an overview of developmental psychology methods. The class conducts an original research project, including design, data collection and analysis, and a written report. Course capacity is limited to 15 students and priority is given to PSY Specialists and Research Specialists during the first enrolment period. Not eligible for CR/NCR option.

Prerequisite: PSY202H1 (or exclusion), PSY210H1

Exclusion: PSY319H5/PSYC26H3

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY320H1 Social Psychology: Attitudes [36L]**

Intensive study of social attitudes and opinions development, description, measurement, modification, and organization.

Prerequisite: PSY201H1 (or exclusion), PSY220H1

Exclusion: PSY320H5

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY321H1 Cross-Cultural Psychology [36L]**

One of the hallmarks of human behaviour is its diversity. Some of the ways in which we are different are thought to be relatively idiosyncratic (e.g., specific aspects of personality), whereas others are known to be fairly systematic. Cultural psychology is one area of research in human behaviour that examines systematic differences resulting from individuals' cultural backgrounds. This course will introduce you to the consideration of cultural variation in the study of human thought and behaviour.

Prerequisite: PSY201H1 (or exclusion), PSY220H1, and PSY230H1/PSY240H1

Exclusion: PSY321H5/PSYC14H3

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY322H1 Intergroup Relations [36L]**

An in-depth examination of theories and research in intergroup relations; focuses on stereotyping, prejudice, discrimination, and stigma.

Prerequisite: PSY201H1 (or exclusion), PSY220H1

Exclusion: PSYC12H3

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY323H1 Sex Roles and Behaviour [36L]**

The effect of sex-role expectations on how men and women behave and perceive the world: theories of sex-role development, physiological and cultural determinants of sex differences, power relationships between men and women.

Prerequisite: PSY201H1 (or exclusion),

PSY210H1/PSY220H1/PSY230H1/PSY240H1

Exclusion: PSYD18H3

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY326H1 Social Cognition [36L]**

An examination of theory and research on how we make sense of ourselves and our social world. Topics covered include goals, mood, memory, hypothesis testing, counterfactual thinking, stereotypes, and culture.

Prerequisite: PSY201H1 (or exclusion), PSY220H1

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY328H1 Psychology and the Law [36L]**

This course deals with psychological issues in the law, with particular reference to criminal law. It focuses mainly on research that has been done on pretrial publicity, eyewitness testimony, rules of evidence, and other factors that might affect jury decisions.

Prerequisite: PSY201H1 (or exclusion), PSY220H1

Exclusion: PSY328H5/PSYC39H3

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY329H1 Social Psychology Laboratory [36P]**

Illustrates major methodologies within social psychology, such as attitude measurement, observation of small groups, and experiments. Course capacity is limited to 15 students and priority is given to PSY Specialists and Research Specialists during the first enrolment period. Not eligible for CR/NCR option.

Prerequisite: PSY202H1 (or exclusion), PSY220H1

Exclusion: PSY329H5

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY330H1 Psychometrics [36L]**

Concepts and methods for the measurement of abilities, interests and personality: reliability, validity, interpretation of test scores, norms, observational methods, structured tests, interview, projective techniques. Ethical problems in assessment. Not a course in test administration.

Prerequisite: PSY201H1 (or exclusion)

Exclusion: PSY331H5/PSYC37H3

Recommended Preparation: PSY202H1 (or exclusion), PSY230H1

Distribution Requirement Status: Science

Breadth Requirement: None

## **PSY331H1 Social Psychology of Emotion [36L]**

An in-depth review of the role of emotion in human psychology, with an emphasis on the links between emotion and cognition. Topics include theories of emotion, emotional regulation, expression and experience, the role of emotion in decision-making, and the relationship between emotion, motivation and behaviour.

Prerequisite: PSY201H1 (or exclusion), PSY220H1, and

PSY230H1/PSY240H1

Exclusion: PSYC18H3

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY332H1 Organizational Behaviour [36L]**

An analysis of the individual, group, and institutional structures and processes that influence behaviour within organizations. Topics include motivation, leadership, communication, school of management theories, group processes and team work, supervision, and organizational culture.

Prerequisite: PSY201H1 (or exclusion), PSY220H1/PSY230H1

Exclusion: MGT260H1/RSM260H1/WDW260H1

Distribution Requirement Status: Science

Breadth Requirement: Society and its Institutions (3)

## **PSY333H1 Health Psychology [36L]**

Examines research evidence concerning the impact of psychological factors on physical health and illness.

Prerequisite: PSY201H1 (or exclusion), PSY230H1/PSY240H1

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY336H1 Positive Psychology [36L]**

A review of the field of positive psychology, which is the study of happiness and fulfillment. Topics include personal growth, meaning, hedonic and eudaimonic approaches to well-being, gratitude, awe, flow states, mindfulness and meditation.

Prerequisite: PSY201H1 (or exclusion),

PSY220H1/PSY230H1/PSY240H1

Exclusion: PSY324H5

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY337H1 Advanced Personality Psychology [36L]**

This course covers major topics in personality psychology including prominent theories and current research in the area. Theoretical frameworks will be integrated with specific applications in primary sources. Specific topics may include personality structure, personality development, psychodynamic approaches, genetic methodology, and emotion regulation.

Prerequisite: PSY201H1 (or exclusion), PSY230H1/PSY240H1

Exclusion: PSYC35H3

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY339H1 Individual Differences Laboratory [36P]**

Introduction to methods involved in individual differences or personality research. Group and individual projects focus on assessment of individual difference characteristics and on experimentation including such characteristics. Course capacity is limited to 15 students and priority is given to PSY Specialists and Research Specialists during the first enrolment period. Not eligible for CR/NCR option.

Prerequisite: PSY202H1 (or exclusion), PSY220H1/PSY230H1

Exclusion: PSY329H5

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY341H1 Psychopathologies of Childhood [36L]**

This course focuses on cognitive and neuropsychological aspects of neurodevelopmental and psychiatric disorders in children from clinical and theoretical perspectives.

Prerequisite: PSY201H1 (or exclusion),

PSY210H1/PSY230H1/PSY240H1

Exclusion: PSY341H5

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY342H1 Cognition and Psychopathology [36L]**

Work in psychological disorders has increasingly used the theories and methodologies of cognitive psychology to guide research. This course will examine accounts of clinical disorders informed by cognitive experimental psychology, with emphasis on recent work in affective disorders.

Prerequisite: PSY201H1 (or exclusion),

PSY230H1/PSY240H1/PSY270H1

Exclusion: PSY340H5

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY343H1 Theories of Psychopathology and Psychotherapy [36L]**

Examines various theories of how personality functioning may become impaired and corresponding psychotherapeutic interventions. Emphasis on empirical assessment of personality dysfunction and therapy effectiveness.

Prerequisite: PSY201H1 (or exclusion), PSY230H1/PSY240H1

Exclusion: PSY343H5/PSYC36H3

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY362H1 Animal Cognition [36L]**

The study of memory, representation, concept learning, and other cognitive processes in non-human animals.

Prerequisite: PSY201H1 (or exclusion), PSY260H1

Exclusion: PSY362H5

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PSY370H1 Thinking and Reasoning [36L]**

Problem-solving as a model of directed thinking; conceptual behaviour and mental representation; induction, deduction and learning; probabilistic reasoning; creative thinking and complex problem solving.

Prerequisite: PSY270H1/COG250Y1

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY371H1 Higher Cognitive Processes [36L]**

This course covers selected topics pertaining to higher cognitive processes including expertise, consciousness, creativity, and human and artificial intelligence.

Prerequisite: PSY270H1/PSY370H1/COG250Y1

Exclusion: PSY371H5

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY372H1 Human Memory [36L]**

Current theories and data on human memory: processes involved in encoding, storage, and retrieval.

Prerequisite: PSY201H1 (or exclusion),

PSY260H1/PSY270H1/COG250Y1

Exclusion: PSY372H5

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **JLP374H1 Psychology of Language [36L]**

Human and other animal communication, structure of human language, word meaning and semantic memory, psychological studies of syntax, bilingualism, language and thought, language errors and disorders. (Sponsored by the Departments of Linguistics and Psychology, but administered solely by the Dept. of Linguistics).

Prerequisite: One FCE from LIN228H1, LIN229H1, LIN232H1, LIN241H1, PSY260H1, PSY270H1, PSY280H1, PSY290H1, COG250Y1

Exclusion: PSY374H5, PLIC55H3

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY378H1 Engineering Psychology [36L]**

The application of our knowledge of human information processing capabilities to improve human-machine systems design in a number of engineering environments including aviation, computer software, human-computer interaction, and nuclear power plants.

Prerequisite: PSY201H1 (or exclusion), PSY270H1/PSY280H1/COG250Y1

Recommended Preparation: PSY202H1 (or equivalent)

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY379H1 Human Memory and Learning Laboratory [36P]**

Examination of issues and methods in human memory research. Students conduct supervised research projects, and read, critique, and write research articles. Course capacity is limited to 15 students and priority is given to PSY Specialists and Research Specialists during the first enrolment period. Not eligible for CR/NCR option.

Prerequisite: PSY202H1 (or exclusion), PSY260H1/PSY270H1/COG250Y1

Exclusion: PSY379H5/PSYC58H3

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY380H1 Vision Science [36L]**

Integrates psychology, neuroscience, and computer science approaches to the study of vision science. Topics include: spatial vision; perception of objects, function, and category; motion perception; visual attention, memory, and imagery; and consciousness. Demonstrations/in-class experiments supplement lectures and readings.

Prerequisite: PSY201H1 (or exclusion), PSY280H1

Exclusion: PSYC51H3

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PSY389H1 Perception Laboratory [36P]**

Examination of issues and methods in perception research. Students conduct supervised research projects, and read, critique, and write research articles. Course capacity is limited to 15 students and priority is given to PSY Specialists and Research Specialists during the first enrolment period. Not eligible for CR/NCR option.

Prerequisite: PSY202H1 (or exclusion), PSY280H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PSY390H1 Behavioural Genetics [36L]**

An examination of how genes contribute to the production of behaviour, either as structural elements or direct participants in behavioural regulation. Covers molecular genetics, natural selection and genetic methods followed by specific examples of congenic disorders that affect behaviour and studies of normal behaviours in human and animal models.

Prerequisite: PSY201H1 (or exclusion), PSY260H1/PSY290H1/HMB200H1/HMB265H1

Exclusion: PSY355H5

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PSY395H1 Neuroethics [36L]**

An examination of how developments in neurology and neuroscience can be used to inform ethical and legal issues related to free will, responsibility, competence, education, morality, empathy in healthy people and in people with confirmed or suspected neurological disorders.

Prerequisite: PSY201H1 (or exclusion), PSY260H1/PSY270H1/PSY280H1/PSY290H1

Recommended Preparation: Review of basic brain functions

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY396H1 Neurochemical Basis of Behaviour [36L]**

The functional relevance of neurotransmitters, with particular emphasis on their role in mediating behaviour.

Prerequisite: PSY201H1 (or exclusion), PSY290H1/HMB200H1

Exclusion: PCL475Y1/PSYC62H3

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PSY397H1 Biological Rhythms [36L]**

Daily, monthly, annual and other rhythms and methods of measuring them. Behavioural and physiological aspects of biological clocks. The importance of rhythms in experimental design, in research on brain function, in affective disorders, and the use animals make of rhythms in migration and other behaviours.

Prerequisite: PSY290H1/HMB200H1/PSL300H1

Exclusion: JZP326H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PSY399H1 Psychobiology Laboratory [36P]**

An introduction to experimental methods in behavioural neuroscience, including neuroanatomical and psychopharmacological methods in rodents. Course projects will cover experimental design, laboratory techniques, data analysis, and scientific writing. Course capacity is limited to 12-15 students and priority is given to PSY Specialists and Research Specialists during the first enrolment period. Not eligible for CR/NCR option.

Prerequisite: PSY202H1 (or exclusion), PSY290H1/HMB200H1

Exclusion: HMB310H1/PSY399H5/PSYC06H3

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **400-Series Courses**

The 400-series courses comprise of lecture courses, seminars, individual projects, and the thesis course for Research Specialists.

**PSY400Y1 Research Specialization: Thesis [TBA]**

An individual thesis done under the direction of a faculty member. Lecture and seminar presentations of proposals in the Fall session. Enrolment is restricted to PSY Research Specialists. Not eligible for CR/NCR option.

Prerequisite: Enrolment in the PSY Research Specialist program, PSY309H1, and PSY3\*9H1 (PSY lab course)

Exclusion: PSY400Y5/PSYC98Y3

Distribution Requirement Status: Science

Breadth Requirement: None

**PSY402H1 Psychology Seminar [24S]**

Examination in depth of specific topics in psychology *at the graduate level*. These seminars vary from year to year in terms of the number given, the topics, and the restrictions on enrolment. Students must get prior consent from the instructor of the graduate seminar they are interested in taking and submit this consent in writing to the department at which time you will be enrolled for **undergraduate** credit. Consult the Undergraduate Administrator for more details.

Distribution Requirement Status: Science

Breadth Requirement: None

**PSY403H1 Psychology Seminar [24S]**

Examination in depth of specific topics in psychology *at the graduate level*. These seminars vary from year to year in terms of the number given, the topics, and the restrictions on enrolment. Students must get prior consent from the instructor of the graduate seminar they are interested in taking and submit this consent in writing to the department at which time you will be enrolled for **undergraduate** credit. Consult the Undergraduate Administrator for more details.

Distribution Requirement Status: Science

Breadth Requirement: None

**PSY404H1 Psychology Seminar [24S]**

Examination in depth of specific topics in psychology *at the graduate level*. These seminars vary from year to year in terms of the number given, the topics, and the restrictions on enrolment. Students must get prior consent from the instructor of the graduate seminar they are interested in taking and submit this consent in writing to the department at which time you will be enrolled for **undergraduate** credit. Consult the Undergraduate Administrator for more details.

Distribution Requirement Status: Science

Breadth Requirement: None

**PSY405H1 Individual Projects [TBA]**

An intensive laboratory or applied research project under the supervision of a Dept. of Psychology faculty member. Project must be academically demanding and uniquely suitable for the individual student. Additional information and applications are available at the department and on its website. This course is open to all Psychology program students. Not eligible for CR/NCR option.

Prerequisite: PSY202H1 (or exclusion), and appropriate background for the proposed work

Exclusion: PSY303H1/PSY304H1

Distribution Requirement Status: Science

Breadth Requirement: None

**PSY405Y1 Individual Projects [TBA]**

An intensive laboratory or applied research project under the supervision of a Dept. of Psychology faculty member. Project must be academically demanding and uniquely suitable for the individual student. Additional information and applications are available at the department and on its website. This course is open to all Psychology program students. Not eligible for CR/NCR option.

Prerequisite: PSY202H1 (or exclusion), and appropriate background for the proposed work

Exclusion: PSY303H1/PSY304H1

Distribution Requirement Status: Science

Breadth Requirement: None

**PSY406H1 Individual Projects [TBA]**

An intensive laboratory or applied research project under the supervision of a Dept. of Psychology faculty member. Project must be academically demanding and uniquely suitable for the individual student. Additional information and applications are available at the department and on its website. This course is open to all Psychology program students. Not eligible for CR/NCR option.

Prerequisite: PSY202H1 (or exclusion), and appropriate background for the proposed work

Exclusion: PSY303H1/PSY304H1

Distribution Requirement Status: Science

Breadth Requirement: None

**PSY406Y1 Individual Projects [TBA]**

An intensive laboratory or applied research project under the supervision of a Dept. of Psychology faculty member. Project must be academically demanding and uniquely suitable for the individual student. Additional information and applications are available at the department and on its website. This course is open to all Psychology program students. Not eligible for CR/NCR option.

Prerequisite: PSY202H1 (or exclusion), and appropriate background for the proposed work

Exclusion: PSY303H1/PSY304H1

Distribution Requirement Status: Science

Breadth Requirement: None

**PSY407H1 Special Topics in Psychology [36L]**

In depth examination of specific topics/themes relating to Psychology. Content in any given year depends on instructor. This is not considered a seminar course. Priority is given to PSY Major program students during the first enrolment period.

Prerequisite: PSY100H1, PSY201H1 (or exclusion), and one further 200-level PSY half-course

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**PSY408H1 Special Topics in Psychology [36L]**

In depth examination of specific topics/themes relating to Psychology. Content in any given year depends on instructor. This is not considered a seminar course. Priority is given to PSY Major program students during the first enrolment period.

Prerequisite: PSY100H1, PSY201H1 (or exclusion), and one further 200-level PSY half-course

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY409H1 Research Specialization: Theoretical Foundations [24S]**

This seminar addresses the central theoretical issues that structure contemporary research in each of the major areas of psychology. The aim is to provide an informal overview of the field as a whole. Enrolment is restricted to PSY Research Specialists.

Prerequisite: Enrolment in the PSY Research Specialist program, PSY309H1

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY410H1 Developmental Psychology Seminar [24S]**

Examination in depth of a limited topic within developmental psychology. Content in any given year depends on instructor. Course capacity is limited to 20 students and enrolment priority is given to PSY Specialists and Research Specialists.

Prerequisite: PSY202H1 (or exclusion), PSY210H1

Exclusion: PSY410H5/PSYD20H3

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY414H1 Moral Development [36L]**

Examination of cognitive-developmental, psychoanalytic, sociobiological, behaviouristic and cultural-anthropological approaches to moral development. Issues covered include definitions of morality, the relationship between moral judgement and action, gender differences and commonalities, and the role of culture in moral development. This is not a seminar course.

Prerequisite: PSY201H1 (or exclusion), PSY210H1

Exclusion: PSY314H1

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY417H1 Aging and Social Cognition [36L]**

Examines theory and research in the social cognitive aspect of aging. Topics range from impression formation and causal attributions to perceptions of control and emotions. This is not a seminar course.

Prerequisite: PSY201H1 (or exclusion), PSY220H1

Exclusion: PSY317H1/PSY415H5

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY420H1 Social Psychology Seminar [24S]**

Examination in depth of a limited topic within social psychology. Content in any given year depends on instructor. Course capacity is limited to 20 students and enrolment priority is given to PSY Specialists and Research Specialists.

Prerequisite: PSY202H1 (or exclusion), PSY220H1

Exclusion: PSY420H5/PSYD12H3/PSYD15H3/PSYD16H3

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY421H1 Person Perception [36L]**

Person perception is an important core topic in social psychology that is often reported upon in the popular media. This course discusses how we perceive, categorize, and form impressions of other people, relying on readings from primary sources in the scientific literature.

Prerequisite: PSY201H1 (or exclusion), PSY220H1,

PSY230H1/PSY240H1, and PSY270H1/PSY280H1

Exclusion: PSY420H1 (taken in Fall of 2011)

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY424H1 Social Psychology of Interpersonal Relationships [36L]**

This course focuses on the social psychology of interpersonal relationships between and among individuals, especially romantic or close relationships and friendships. It surveys what social psychologists have learned about the development, maintenance, disruption or dissolution of personal relationships, as well as current social psychological theories of interpersonal relationships. This is not a seminar course.

Prerequisite: PSY201H1 (or exclusion), PSY220H1

Exclusion: PSY324H1/PSY327H5/PSYD11H3

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY425H1 Self-Consciousness [36L]**

The distinguishing feature of our species is the reflexivity of our consciousness - the ability to conceive of and interpret ourselves and our experiences. For us, consciousness involves self-consciousness. All our higher symbolic capabilities rest upon this foundation. The aim of this course is to trace out a variety of frames through which we may look at and understand the shared aspects of our subjectivity as self-conscious agents. The approach will be multidisciplinary, drawing together ideas and insights from psychology, sociology, philosophy, anthropology, and biology. The broader purpose of the course is to promote articulacy and critical acumen in how we think about reflexive experience. This is not a seminar course.

Prerequisite: PSY201H1 (or exclusion), PSY220H1,

PSY230H1/PSY240H1

Exclusion: PSY325H1

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY426H1 Motivational Theories in Social Psychology [36L]**

With intensive reading and discussion of 'classic' and contemporary articles, this advanced course in social psychology focuses on the central issues, methods, and findings in the study of motivation. Topics will include: self-regulation, achievement, and reward/punishment. This is not a seminar course.

Prerequisite: PSY201H1 (or equivalent), PSY220H1

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY427H1 Media Psychology [36L]**

This course examines how we come to understand ourselves and our world, and learn to feel, judge, and act, through the simulative mediation of personal and mass communication technologies. The aim is to provide students with a deeper understanding of the highly commodified symbolic environment that surrounds them and in which they participate as audience and, increasingly, producer. Although the focus is psychological, the history, sociology, political economy, and technology of various media will be discussed in relation to the changing forms of public and private life in the 21st century. This is not a seminar course.

Prerequisite: PSY201H1 (or equivalent), PSY220H1, and

PSY230H1/PSY240H1

Exclusion: PSY327H1

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)



**PSY428H1 Critical Psychology [36L]**

This course examines the assumptions and commitments that underlie psychological science; and explores its institutional relations within culture and society. Bringing the background and context of the discipline into focus allows for a better understanding of the choices implicit in psychological research. This is not a seminar course.

Prerequisite: PSY201H1 (or exclusion), PSY220H1

Exclusion: PSY420H1 (taken in Fall of 2013)

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**PSY430H1 Personality Seminar [24S]**

Examination in depth of a limited topic within the area of personality. Content in any given year depends on instructor. Course capacity is limited to 20 students and enrolment priority is given to PSY Specialists and Research Specialists.

Prerequisite: PSY202H1 (or exclusion), PSY230H1/PSY240H1

Exclusion: PSY430H5/PSYD30H3/PSYD32H3

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**PSY434H1 Maps of Meaning: The Architecture of Belief [36L]**

This course is based on the book *Maps of Meaning: The Architecture of Belief*. Maps of Meaning lays bare the grammar of mythology, and describes the relevance of that grammar for interpretation of narrative and religion, comprehension of ideological identification, and understanding of the role that individual choice plays in the maintenance, transformation and destiny of social systems. This is not a seminar course.

Prerequisite: PSY201H1 (or exclusion), PSY230H1/PSY240H1

Exclusion: PSY334H1

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**PSY435H1 Environmental Psychology [36L]**

This course is an exploration of how psychologists can contribute to finding solutions to today's pressing environmental challenges. Topics include persuasion, community-based social marketing, social influence, social capital, and the many ways in which the physical environment affects psychological processes. The course takes a multi-scalar approach to the human-environment relationship, covering individual, community, cultural and global levels of scale, through the lens of complex dynamic systems theories.

Prerequisite: PSY100H1, PSY220H1, OR registered in an Environmental Studies/Science program

Exclusion: PSY335H1

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**PSY440H1 Abnormal Psychology Seminar [24S]**

Examination in depth of a limited topic within abnormal psychology. Content in any given year depends on instructor. Course capacity is limited to 20 students and enrolment priority is given to PSY Specialists and Research Specialists.

Prerequisite: PSY202H1 (or exclusion), PSY230H1/PSY240H1

Exclusion: PSY440H5/PSYD33H3

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**PSY450H1 History of Psychology [36L]**

Philosophical predecessors and early development of modern psychology; schools of thought and shifting areas of theory and research. History and philosophy of science, in general. Current systems and theories. This is not a seminar course.

Prerequisite: One full course equivalent at the PSY 200+-level

Exclusion: PSY300H1/PSYC85H3

Distribution Requirement Status: Science

Breadth Requirement: Society and its Institutions (3)

**PSY460H1 Learning Seminar [24S]**

Examination in depth of a limited topic in human or animal learning. Content in any given year depends on instructor. Course capacity is limited to 20 students and enrolment priority is given to PSY Specialists and Research Specialists.

Prerequisite: PSY202H1 (or exclusion), PSY260H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

**PSY470H1 Memory Seminar [24S]**

Examination in depth of a limited topic within the area of memory. Content in any given year depends on instructor. Course capacity is limited to 20 students and enrolment priority is given to PSY Specialists and Research Specialists.

Prerequisite: PSY202H1 (or exclusion), PSY270H1/COG250Y1

Exclusion: PSYD50H3

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**PSY471H1 Cognition Seminar [24S]**

Examination in depth of a limited topic in cognition. Content in any given year depends on instructor. Course capacity is limited to 20 students and enrolment priority is given to PSY Specialists and Research Specialists.

Prerequisite: PSY202H1 (or exclusion), PSY270H1/COG250Y1 (may be additional prerequisites based on seminar topic given)

Exclusion: PSY471H5/PSY50H3

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**JLP471H1 Advanced Psycholinguistics [24S]**

Seminar in advanced topics in psycholinguistics. Content varies from year to year. (Sponsored by the Departments of Linguistics and Psychology, but administered solely by the Dept. of Linguistics).

Prerequisite: JLP374H1

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**PSY473H1 Social Cognitive Neuroscience [36L]**

Social cognitive neuroscience is an emerging interdisciplinary field that seeks to integrate theories of social psychology and cognitive neuroscience to understand behaviour at three fundamentally interrelated levels of analysis (social, cognitive, and neural). Topics such as self-regulation, cooperation, decision-making, emotion, morality, and prejudice will be examined. This is not a seminar course.

Prerequisite: PSY201H1 (or exclusion), PSY220H1, and PSY270H1/PSY290H1

Exclusion: PSY373H1/PSY353H5/PSYD17H3

Recommended Preparation: PSY326H1

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY474H1 Computation in Psychology [36L]**

This course surveys computational perspectives on the mind and brain and introduces computational tools for connecting psychological and neural data to theory. Topics may include neural networks, probabilistic models, pattern recognition, and other techniques applicable to psychological research and general analysis. Basic familiarity with programming is recommended but not required.

Prerequisite: PSY202H1 (or exclusion)

Exclusion: PSY471H1 (Fall of 2015)

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **PSY475H1 Attention and Performance [36L]**

Visual attention; attentional selection for object recognition, feature integration, and action; attention in action-relevant space; movements of attention; eye-hand coordination, eye movements, limb movements; action-specific perception and effort-based models of perception; ecological perception and the perception of affordances. This is not a seminar course.

Prerequisite: PSY201H1 (or exclusion),

PSY270H1/PSY280H1/COG250Y1

Exclusion: PSY375H1

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY480H1 Seminar in Perception [24S]**

An in-depth examination of current issues in perception (e.g. perceptual organization, object and face recognition, motion perception). Emphasis is on the psychological perspective, but integrates physiological and computational perspectives as well. Content in any given year depends on instructor. Course capacity is limited to 20 students and enrolment priority is given to PSY Specialists and Research Specialists.

Prerequisite: PSY202H1 (or exclusion), PSY280H1

Exclusion: PSY480H5/PSYD51H3

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PSY490H1 Brain Activity & Behaviour Seminar [24S]**

An in-depth examination of current issues in brain and behaviour science (e.g. activity of neurons, sensory, motor, motivational, and higher cortical systems.). Content in any given year depends on instructor. Course capacity is limited to 20 students and enrolment priority is given to PSY Specialists and Research Specialists.

Prerequisite: PSY202H1 (or exclusion), PSY290H1/HMB200H1

Exclusion: PSY490H5/PSYD66H3

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PSY492H1 Neurobiology of Learning and Memory [36L]**

Understanding the complexities of how the mammalian nervous system acquires and stores information and how it transforms this information into appropriate behavior is fundamentally important to our understanding of both animal and human behavior. This course explores empirical and theoretical contributions to our understanding of the neural basis of learning and memory. This is not a seminar course.

Prerequisite: PSY201H1 (or exclusion),

PSY260H1/PSY290H1/HMB200H1

Exclusion: PSY392H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PSY493H1 Cognitive Neuroscience [36L]**

This is a capstone course surveying research on how the mind arises from the brain. The first objective of the course is to understand how processes in human brains (ranging from the firing of a single neuron to the dynamics of billions) support cognitive abilities (such as recognizing a face, remembering a birthday from childhood, understanding the words in a spoken lecture, or planning a route home from class). The second objective of the course is to understand the methods of contemporary cognitive neuroscience research, to enable students to read primary literature and to understand ongoing debates. This is not a seminar course.

Prerequisite: PSY201H1 (or exclusion),

PSY260H1/PSY270H1/PSY290H1/HMB200H1

Exclusion: PSY393H1/PSYC55H3

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PSY494H1 Physiology and Psychology of Emotion [36L]**

The role of brain and body in expression and experience of emotion in humans, considered theoretically and through the experimental, physiological and clinical literatures. This is not a seminar course.

Prerequisite: PSY201H1 (or exclusion),

PSY260H1/PSY270H1/PSY290H1/HMB200H1

Exclusion: PSY394H1/PSYC18H3

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PSY495H1 Sex and the Brain [36L]**

This course explores the scientific literature underlying the concept that female/male, gay/straight, and transgendered behaviours are based on brain differences. Original scientific papers will be read in close detail for design and interpretation of the experiments. The goal is to gain an understanding of the science and psychology underlying sex/gender, popular conceptions of sex, and the sexual brain. Topics include: Making sex, Hormone action, Brain and sexual behaviours, Sex and cognition, Sex and sexuality/gender identification. This is not a seminar course.

Prerequisite: PSY201H1 (or exclusion), PSY290H1/NRS200H1

Exclusion: PSY354H5/PSY395H5

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **PSY496H1 Cognitive Dysfunction in Neurological Disorders [36L]**

In depth examination of the cognitive dysfunction found in neurological disorders, including Alzheimer's Disease, Parkinson's Disease, and Schizophrenia. The course will focus on how cognitive impairments relate to neuropsychological models of the disease, specifically how these models provide insights into the biological mechanisms underlying the cognitive symptoms and cognition more broadly.

Prerequisite: PSY201H1 (or exclusion), PSY270H1/PSY290H1

Exclusion: PSY471H1 (Winter of 2015)

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PSY497H1 Advanced Topics in Biological Rhythms [24S]**

Circadian rhythms with emphasis on non-photoc entrainment and phase shifting of rhythms by behaviour (e.g., social interactions, or becoming active). Properties and physiological mechanisms for non-photoc effects and comparisons with those for photoc effects. Seminars and readings of original papers. Emphasis on basic principles, but possible applications will also be discussed. Course capacity is limited to 20 students and enrolment priority is given to PSY Specialists and Research Specialists.

Prerequisite: PSY397H1

Exclusion: JZP428H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## Faculty

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### Professor and Dean of the School

H. Hu, MD MPH ScD

### Professors

L.M. Calzavara, Ph D, MA  
P. Corey, Ph D  
M. Escobar, Ph D  
J. Stafford, Ph D

### Associate Professors

D. Allman, PhD  
P.E. Brown, PhD  
G. Einstein, MA, Ph D  
B.J. Harvey, MD, Ph D, MEd  
B. Poland, Ph D  
P. Selby, MBBS, MHSc  
J. Scott, Ph D  
R. Summerbell, Ph D

### Assistant Professors

P. Kaufman, PhD  
K. Urbanoski, PhD

## Offered by the Dalla Lana School of Public Health

### Introduction

Public health is the science and art of preventing disease and promoting health through organized population-based efforts. The focus of public health is to prevent rather than treat disease and to positively affect determinants of health through a wide range of strategies, including the surveillance and assessment of population health and the promotion of healthy behaviours, healthy environments and healthy public policies. In addition to these activities, the identification and treatment of those with disease may be vital to preventing it in others, such as during an outbreak of an infectious disease. Hand washing, vaccination programs, the inspection of restaurants, laws banning smoking in public places and tax credits for childhood physical activity programs are examples of public health measures. Public health includes sub-disciplines such as epidemiology, biostatistics, occupational and environmental health, public health policy, and social and behavioural health sciences.

Associate Dean, Academic Affairs: Professor Andrea Sass-Kortsak,  
a.sass@utoronto.ca.

Enquiries: Room 688, Health Sciences Building

## Public Health Sciences Courses

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### Courses Offered by PHS:

#### PHS100H1 Grand Opportunities in Global Health [24L/24T]

This course introduces students to basic public health-related concepts, significant aspects of the historical development of global health, and a selection of topics illustrating the broad and evolving nature of this field. In addition, it helps students explore the contributions that various disciplines/fields offer to global health.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

#### PHS300H1 HIV Prevention Research [24L]

This course engages students in in-depth learning about HIV research. In addition to learning about methods and issues from a variety of research disciplines as applied to HIV, students will be expected, with guidance, to design a study relevant to the content of the course.

Recommended Preparation: STA220H1 or equivalent

Distribution Requirement Status: Social Science or Science

Breadth Requirement: Society and its Institutions (3)

#### GGR433H1 Built Environment and Health [36S]

Linking across fields that include public health, geography and planning, this course examines the growing evidence and ways in which human health is affected by the design and development of the built environment in which we live, work and play. The course considers how various planning and development decisions impact population and individual health, particularly in relation to chronic diseases, injuries, and mental health.

Prerequisite: 10.0 FCE's

Exclusion: GGR400H1 (2012-13)

Recommended Preparation: 1.0 FCE in Geography (SOC SCI/BR=3)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

#### GGR434H1 Building Community Resilience [36S]

Examines concepts of resilience as a way of building the capacity of communities to (a) respond to predicted disruptions/shocks associated with climate change, global pandemics, anticipated disruptions in global food supply, energy insecurity, and environmental degradation; and (b) nurture the development of alternative spaces that support the emergence of more life-sustaining structures and practices. Includes explicit attention to equity and public health, and explores issues such as: participatory governance of social-ecological systems, the nature of social change, complexity science, the role of social movements, indigenous and political ecology perspectives.

Prerequisite: 10 FCEs

Exclusion: GGR400H1 (2011-12)

Recommended Preparation: 1.0 FCEs in Geography

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

#### HMB325H1 Statistics Applied to Human Biology [24L/24T]

Find out how to use statistics in your research, and critically assess published data using statistical concepts. The examples used in these lectures and small-group sessions are taken solely from human biology studies.

Prerequisite: 0.5 FCE from a first year math or physics course,

BIO220H1, BIO230H1/BIO255H1, HMB265H1/BIO260H1

Exclusion: ECO220Y1/ECO227Y1/PSY202H1/SOC300H1/

STA221H1/STA248H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **HMB342H1 Epidemiology of Health & Disease [24L/24T]**

This course engages students in the fundamental science of epidemiology applied to health and disease. After an introduction to various measures of health and disease, the scientific methods used to investigate, analyze, prevent and control health problems will be illustrated using biomedical and public health examples.

Prerequisite: 9 FCE complete, HMB201H1/HMB202H1/HMB203H1/HMB204H1

Exclusion: UNI373H1

Recommended Preparation: HMB325H1 or other statistics course

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **HMB436H1 Medical and Veterinary Mycology [16L/6P/8S]**

This lecture-based course will familiarize students with fungi of public health importance, particularly those that cause disease in humans and other animals. The course will focus on the clinical presentation, pathophysiology, and treatment of fungal infections, as well as the ecology, physiology and evolutionary biology of the agents responsible. The course will also address other ways in which fungi influence human and animal health.

Prerequisite: 14 FCE complete, HMB265H1/ BIO260H1

Exclusion: BOT405H1

Recommended Preparation: EEB268H1, EEB331H1/CSB353H1

Distribution Requirement Status: Science

Breadth Requirement: Living Things and Their Environment (4)

## **PSY407H1 Special Topics in Psychology [36L]**

In depth examination of specific topics/themes relating to Psychology. Content in any given year depends on instructor. This is not considered a seminar course. Priority is given to PSY Major program students during the first enrolment period.

Prerequisite: PSY100H1, PSY201H1 (or exclusion), and one further 200-level PSY half-course

Distribution Requirement Status: Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **STA365H1 Applied Bayesian Statistics [36L]**

Bayesian inference has become an important applied technique and is especially valued to solve complex problems. This course first examines the basics of Bayesian inference. From there, this course looks at modern, computational methods and how to make inferences on complex data problems.

Prerequisite: STA302H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **STA465H1 Theory and Methods for Complex Spatial Data [36L]**

Data acquisition trends in the environmental, physical and health sciences are increasingly spatial in character and novel in the sense that modern sophisticated methods are required for analysis. This course will cover different types of random spatial processes and how to incorporate them into mixed effects models for Normal and non-Normal data.

Students will be trained in a variety of advanced techniques for analyzing complex spatial data and, upon completion, will be able to undertake a variety of analyses on spatially dependent data, understand which methods are appropriate for various research questions, and interpret and convey results in the light of the original questions posed.

Prerequisite: STA302H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## Introduction

Solving real-world policy challenges requires the use of multi-disciplinary tools to analyze problems, determine the best means to deal with those problems, and decide on the best course of action. An undergraduate Major in Public Policy provides a unique opportunity for students in Social Science disciplines to think in an interdisciplinary way, by drawing on theories and approaches, as well as tool kits developed in the core disciplines of Economics and Political Science, and beyond. Students in this program develop theoretical and applied reasoning skills in policy analysis, as well as a solid grounding in quantitative methods and research.

## Public Policy Programs

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The Major program in Public Policy is offered jointly by the School of Public Policy, the Department of Economics, and the Department of Political Science. Students may enroll after their first- or second-year of undergraduate studies, and must meet the prerequisite conditions for all second-year and higher courses.

The Program Director and Program Assistant are available for consultation. For enquiries or an appointment call the Undergraduate Administrator, Petra Jory at 416-978-5402 or send an e-mail to p.jory@utoronto.ca.

### Major in Public Policy (Arts program)

(7.5 FCEs)

The Major program in Public Policy is offered jointly by the School of Public Policy, the Department of Economics, and the Department of Political Science. Students enroll after first-year, and must meet the prerequisite conditions for all second-year and higher courses.

### Major in Public Policy (7.5 FCEs)

#### First Year:

1. POL101Y1 (67%)
  - OR TrinityOne Public Policy courses TRN160Y and/or TRN161Y (75%) / VicOne policy streams (75% in 1.0 FCE)
  - \*Students entering through TrinityOne/VicOne streams will be ineligible to take upper year POL courses until they have completed POL214Y
2. Either ECO100Y1 (with a final mark of at least 67%) or ECO105Y1 (with a final mark of at least 80%), AND
3. Optional MAT133Y1 or equivalent (65%)
  - \*MAT133Y or equivalent (65%) is required for those students studying ECO206Y, ECO208Y, ECO210Y, ECO227Y in their upper years
  - \*MAT133Y or equivalent (no minimum grade) is required for those students studying ECO200Y, ECO202Y, ECO204Y, ECO209Y, ECO220Y in their upper years
  - \*MAT133Y or equivalent (65%) is not required for those students studying PPG200H1

#### Second Year:

1. ECO200Y1/ECO204Y1/ECO206Y1/PPG200H1
- PPG200H does not serve as PREREQUISITE for upper year ECO

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courses

- ECO200+ is required for those who plan to take ECO courses at the 300+level.

2.

ECO220Y1/(POL222H1+POL232H1)/SOC202H1/STA220H1/STA221H1/STA248H1/STA255H1/STA261H1

3. POL214Y

#### Third and Fourth Years:

1. PPG301H1

2. PPG401H1

3. Remaining FCEs to reach the 7.5 requirement will be drawn from 300+-level drawn from Economics, Political Science, Sociology, or related disciplines.

A non-exhaustive list of eligible courses includes:

ECO313H/ECO314H/ECO320H/ECO324Y/ECO331H/ECO333H1/ECO334H/ECO336Y/ECO339Y/ECO349H/ECO364H/ECO365H/ECO369H/ECO402H/ECO403H/ECO407H/ECO410H/ECO414H/ECO416H/ECO425H/ECO426H/ECO434H/ECO439H

POL306H1/POL308H1/POL312Y1/POL314Y1/POL315H1/POL316Y1/POL317Y1/POL318H1/POL321H1/POL332Y1/POL334H1/POL336H1/POL337Y1/POL341H1/POL344H1/POL351Y1/POL356Y1/JPR364H1/POL370H1/POL371H1/POL377H1/POL408H1/POL409H1/POL411H1/POL413H1/JPJ412H1/POL423H1/POL425Y1/POL439H1/POL447Y1/POL448H1/POL450H1/JPF455Y1/JPR457H1/POL457Y1/POL458H1/POL474H1/POL480Y1/POL481Y1/POL482H1

With the approval of the program director, students can take public policy oriented courses outside this list.

Students may enroll after their first- or second-year of study. Achieving the minimum grades outlined above does not necessarily guarantee admission to the program in any given year.

## Public Policy Courses

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### PPG200H1 Microeconomics for Policy Analysis [24L]

The objectives are: (1) To provide students with a foundation in microeconomic analysis and; (2) To demonstrate how this foundation can be applied to design, predict the effects of and evaluate public policies.

Students will be equipped to understand the main issues on a range of policy topics such as taxation, social insurance, welfare and income support programs.

Prerequisite: ECO100Y1/ECO105Y1

Exclusion: ECO200Y1,ECO204Y1,ECO206Y1

Recommended Preparation: POL101Y1

Distribution Requirement Status: None

Breadth Requirement: Society and its Institutions (3)

## **PPG301H1 Introduction to Public Policy [24L]**

The course introduces students to the study of public policy, the policy process and our policy institutions in Canada. The course examines how issues emerge, how important ideas are framed, priorities are established, and agendas are set and managed. It explores how institutions –formal and informal rules which enable and constrain actors –shape policy-making in Canada.

Prerequisite: (ECO200Y1/ECO204Y1/ECO206Y1/PPG200H1), (ECO220Y1/POL242Y1/SOC202H1/STA220H1/STA221H1/STA248H1/STA255H1/STA261H1), POL214Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **PPG401H1 The Role of Government [24L]**

This course explores the government's role in promoting efficiency and equity in both the financing and delivery of public policy goals. It explores the conditions when government involvement is important, the policy levers available to government in promoting social policy, market failures, and conditions for efficiency. It examines the role of government in many of the major areas of social policy such as health care, education, redistribution, the environment, financial regulations and other important issues.

Corequisite: PPG301H1

Recommended

Preparation: ECO200Y1/ECO204Y1/ECO206Y1/PPG200H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## Faculty

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### Professors Emeriti

A.T. Davies, BA, BD, STM, Ph D (V)  
C.T. McIntire, MA, M Div, Ph D (V)  
H.J. McSorley, MA, D Th (SM)  
G.A. Nicholson, MA, Ph D (T)  
G.P. Richardson, B Arch, BD, Ph D, FRSC, FRAIC (U)  
R.M. Savory, MA, Ph D, FRSC (T)  
L.E. Schmidt, MA, Ph D (SM)  
R.E. Sinkewicz, AM, M Div, D Phil (CMS)  
J.M. Vertin, MA, STL, Ph D (SM)  
G.A.B. Watson, MA, STB (T)

### Professor and Chair of the Department

J.S. Kloppenborg MA, Ph D FRSC

### Associate Professor and Associate Chair

F. Garrett MA, Ph D

### Professors

J. Bryant, MA, Ph D  
S. Coleman, Ph D  
J. Dicenso, MA, Ph D  
H. Fox MS, MA, Ph D  
K. H. Green, MA, Ph D (U)  
P. Klassen MA, Ph D  
J. S. Kloppenborg MA Ph D, FRSC (T)  
D. Novak, MHL, Ph D, FRSC

### Associate Professors

A. Dhand, MA, Ph D (V)  
C. Emmrich, MA, Ph D (University of Toronto Mississauga)  
F. Garrett, MA, Ph D  
J. Harris MA, Ph D  
J. Marshall, MA, Ph D (U)  
R. Marshall, D Phil  
A. Mittermaier, Ph D  
J. Newman, MAR, Ph D (V)  
K. O'Neil, MA, Ph D  
S. Raman, MA, Ph D  
A. Rao, MA, Ph D (University of Toronto Mississauga)  
W. Saleh, MA, Ph D (U)  
S. Virani, MA, Ph D (University of Toronto Mississauga)

### Assistant Professors

A. Goodman, Ph D  
A. Irani, Ph D (University of Toronto Mississauga)  
K. Ruffle, Ph D (University of Toronto Mississauga)  
J. B. Scott, Ph D (University of Toronto Mississauga)  
K. Smith, Ph D (University of Toronto Mississauga)

### Senior Lecturer

Sol Goldberg, Ph D

### Lecturers

Yigal Nizri, Ph D  
Elizabeth Mills, DPhil  
Laura Bugg, PhD

## The Study of Religion

As an intellectual inquiry into an important dimension of human experience, the study of religion enables students to grasp an essential aspect of the cultures of the world and the interactions among them. We look at the development of religious beliefs, practices, and doctrines as they intersect with the history of peoples and cultures right up to the contemporary world. The study of religion also prepares students for a wide range of careers, such as social work, law, politics from the local to the international level, teaching, medicine, or leadership in religious organizations. Combined with appropriate language preparation, it can also open out into graduate work leading to the M.A. and Ph.D. in the growing number of universities offering advanced graduate degrees in the field, and in our University's own Graduate programs.

Historically, the academic study of religion has taken a variety of forms, each with its own rationale. The Department identifies itself with a model in which the major religious traditions (e.g., Buddhism, Christianity, Hinduism, Islam, Judaism) are studied within a comparative frame. We employ and encourage a variety of approaches (e.g., historical, textual, social scientific) without sacrificing specialized skills and training. The diversity which characterizes this model is reflected in the variety of courses offered or cross-listed by the Department, and by the wide range of training and expertise of our faculty.

Programs are described in detail in the Departmental Handbook; it also includes a limited number of cross-listed courses offered by Colleges or departments such as East Asian Studies, History, Near and Middle Eastern Civilizations, Philosophy, and Sociology. Students aiming to complete any RLG program should consult the Undergraduate Administrator at least once a year for assistance in selecting courses that address the student's interests and fulfill the programs requirements.

Undergraduate Administrative Assistant: Jackman Humanities Building, Room 310 (416-978-2395)

Enquiries: Jackman Humanities Building (416-978-2395)

## Religion Programs

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Enrolment in Religion programs requires completion of four courses.

### Religion Specialist (Arts program)

(10 full courses or their equivalent)

1. A full year of introductory courses in the first or second year, to be selected from RLG100Y1/RLG280Y1 or RLG101H1F and RLG101H1S.
  2. No later than the third year of study: RLG200H1. RLG200H1 is a prerequisite for all 400-level courses.
  3. One course from RLG202H1/RLG203H1/RLG204H1/RLG205H1/RLG206H1/RLG208H1/RLG241H1.
  4. One course from RLG209H1/211H1/212H1/RLG213H1.
  5. Any other 200 level RLG course (excluding language courses).
  6. Seven RLG half-courses at the 300+ level. Students should develop a focused program of study and may consult the Associate Chair or program office for advice.
  7. One half-course at the 400 level in your area of focus.
  8. Five other RLG half-courses at any level.
  9. RLG404H1/RLG405H1 or RLG406H1, a capstone integrative course (note: this does not fulfil the requirement of the 400-level courses in #7, above.)
- Four half-course cross-listed courses may be counted towards the



fulfillment of the degree (consult the Religion website for a list of eligible courses).

It is highly recommended that Religion Specialists who are interested in pursuing graduate training also complete two full years of a relevant foreign language. This should be discussed early in a student's program with the Associate Chair or other Religion professors.

## Religion Major (Arts program)

(6.5 full courses or their equivalent)

1. A full year of introductory courses in the first or second year, to be selected from RLG100Y1/RLG280Y1 or RLG101H1F and RLG101H1S.
2. No later than the third year of study: RLG200H1. RLG200H1 is a prerequisite for all 400-level courses.
3. One course from RLG202H1/203H1/204H1/205H1/206H1/RLG208H1/RLG241H1.
4. Four RLG half-courses at the 300+ level, one of which must be in the same tradition as was chosen from #3 above.
5. Four half-courses chosen from other RLG courses.
6. RLG404H1/RLG405H1/RLG406H1, a capstone, integrative course.

Two half-course cross-listed courses may be counted towards the fulfillment of the degree (consult the Religion website for a list of eligible courses).

## Religion Minor (Arts Program)

(Four full courses or their equivalent)

1. A full year of introductory courses in the first or second year, to be selected from RLG100Y1/RLG280Y1 or RLG101H1F and RLG101H1S
2. Two half-courses from the RLG 300+ series.
3. Four other RLG half-courses.
4. No cross-listed courses may be counted. NMC283Y, SOC250Y and JPR courses will be counted as Religion courses.

## Religion: Christian Origins Specialist (Arts program)

(10 full courses or their equivalent)

1. A full year of introductory courses in the first or second year, to be selected from RLG100Y1/RLG280Y1 or RLG101H1F and RLG101H1S
2. RLG241H1.
3. RLG203H1.
4. No later than the third year of study: RLG200H1. RLG200H1 is a prerequisite for all 400-level courses.
5. Four half-courses in Greek, normally fulfilled by GRK101H1, GRK102H1 + GRK200H1, and GRK201H1 and GRK202H1. (Note: Upon approval of the program coordinator, students may be permitted to substitute for these courses two full courses in another ancient language, e.g., Syriac, Aramaic.)
6. Four 300+ half-courses chosen from RLG319H1, RLG320H1, RLG321H1, RLG322H1, RLG323H1, RLG324H1, RLG326H1, RLG327H1, RLG328H1.
7. One half-course from RLG448H1, RLG449H1, RLG451H1, RLG452H1, RLG453H1, RLG454H1, RLG455H1, RLG458H1.
8. Three half-courses or the equivalent chosen from CLA204H1, CLA230H1, CLA231H1, CLA232H1, CLA233H1, CLA305H1, CLA308H1, CLA310H1, CLA364H1, CLA368H1, CLA369H1, CLA371H, CLA378H1, NMC351H1 NMC252H1, NMC270H1, NMC351H1, NMC360H1, NMC361H1, NML352H1, NML353H1, NML356Y1, NML357H1,

NML358H1, NML359H1, NML451H1, NML452H1, FAH309H1, FAH313H1, FAH318H1, FAH319H1, FAH424H1.

9. Two half-courses in another religious tradition, preferably an Asian tradition such as Hinduism, Sikhism or Buddhism.

10. RLG404H1 or RLG405H1, or RLG406H1, a capstone integrative course. (Note: this does not fulfil the requirement of the 400-level FCE in #7 above.)

## Buddhist Studies Specialist (Arts program)

(10 full courses or their equivalent)

1. A full year of introductory courses in the first or second year, to be selected from RLG100Y1/RLG280Y1 or RLG101H1F and RLG101H1S.
2. No later than the third year of study: RLG200H1. RLG200H1 is a prerequisite for all 400-level courses.
3. RLG206H1.
4. One course drawn from RLG 209H1/211H1/212H1/213H1.
5. Two consecutive (FCE) language courses in one of: Chinese, Japanese, Korean, Sanskrit or Tibetan.
6. A total of nine half-courses (or equivalent) chosen from the list below. At least five half-courses (or equivalent) must be RLG courses (EAS324H1, EAS325H1, and EAS361Y1 are counted as RLG courses here). At least five half-courses (or equivalent) must be taken at the 300-level or higher.  
Second year courses: RLG205H1, RLG245H1, RLG246H1, FAH260H1, EAS209H1, EAS215H1, HIS280Y1, HIS281Y1, HIS282Y1, HIS283H1, NEW214Y1, NEW232Y1, PHL237H1.  
Third year courses: RLG316H1, RLG356H1, RLG361H1, RLG363H1, RLG366H1, RLG368H1, RLG372H1, RLG373H1, RLG375H1, RLG371H5, RLG373H5, RLG374H5, RLGC07H3S, FAH363H1, FAH364H1, FAH368H1, EAS338H1, EAS361Y1, EAS346H1, HIS380H1, NEW332H1, NEW333H1, NEW339H1, PHL337H1.
7. One half-course at the 400 level.  
Fourth year courses: RLG462H1, RLG463H1, RLG464H1, RLG465H1, RLG466H1, RLG467H1, RLG468H1, RLG470H1, RLG470H5, RLG473H1, FAH461H1, HIS485H1, NEW433H1.
8. RLG404H1 or RLG405H1 or RLG406H1, a capstone integrative course. (Note: this does not fulfil the requirement of the 400 level FCE in #8 above.)

## Buddhist Studies Major (Arts program)

(7 full courses or their equivalent)

1. A full year of introductory courses in the first or second year, to be selected from RLG100Y1/RLG101H1/RLG280Y1/RLG281H1.
2. No later than the third year of study: RLG200H1. RLG200H1 is a prerequisite for all 400-level courses.
3. RLG206H1
4. A total of eight half-courses (or equivalent) chosen from the following list; at least six half-courses must be RLG courses (EAS324H, EAS325H, and EAS361Y are counted as RLG courses here). Six half-courses must be taken at the 300-level or higher.  
**Second year courses:** RLG205H1, RLG236H1, RLG245H1, RLG246H1, RLGB03H3F, RLGB07H3F, FAH260H1, EAS209Y1, EAS215H1, HIS280Y1, HIS281Y1, HIS282Y1, HIS283H1, NEW214Y1, NEW232Y1, PHL237H1.  
**Third year courses:** RLG316H1, RLG356H1, RLG361H1, RLG363H1, RLG366H1, RLG367H1, RLG368H1, RLG371H1, RLG372H1, RLG373H1, RLG375H1, RLG371H5, RLG373H5, RLG374H5,

# Religion

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RLGC07H3S, FAH361H1, FAH362H1, FAH363H1 FAH364H1, FAH368H1, EAS324H1, EAS325H1, EAS338H1, EAS361Y1, EAS346H1, HIS380H1, NEW331H1, NEW332H1, NEW333H1, NEW339H1, PHL337H1.

5. One half-course at the 400 level, selected from the following: RLG462H1, RLG463H1, RLG464H1, RLG465H1, RLG466H1, RLG467H1, RLG468H1, RLG469H1, RLG470H1, RLG470H5, RLG473H1, RLG490Y1, FAH461H1, HIS409H1, HIS485H1, NEW433H1.
6. RLG4041H1 or RLG405H1 or RLG406H1, a capstone, integrative course. (Note: this does not fulfil the requirement of the 400 level FCE in #5 above.)

## Islamic Studies Major (Arts program)

(6.5 full courses or their equivalent)

1. A full year of introductory courses in the first or second year, to be selected from RLG100Y1/RLG280Y1 or RLG101H1F and RLG101H1S.
2. RLG200H1. RLG200H1 is a prerequisite for all 400-level courses and must be taken no later than the third year of study.
3. RLG204H1 or NMC283Y1. If taking RLG204H1 an additional RLG half-course is required
4. One courses from the RLG209H1/RLG211H1/RLG212H1/RLG213H1.
5. Any other 200-level RLG course.
6. Four half-courses from the following list (three courses must be at the 300+ level: HIS201H5 HIS300H15, HIS303H1, HIS304H1, HIS336H1, HIS386H1, HIS396H5, HIS397H5, HIS495H5, NMC103H1, NMC273Y1, NMC275H1, NMC283Y1, NMC285H1, NMC286H1, NMC348Y1, NMC355H1, NMC365H1, NMC374H1, NMC376H1, NMC381H1, NMC385H1, NMC387H1, NMC388H1, NMC389H1, NMC393H1, NMC394H1, NMC396Y1, NMC471, NMC475, NMC481H1, PHL336H, RLG350H1, RLG351H1, RLG352H1, RLG354H1, RLG355H1, RLG356H1, RLG456H1, RLG457H1, RLG458H1, RLG459H1, RLG461H1.
7. RLG404H1 or RLG405H1 or RLG406H1, a capstone, integrative course.

## Religion Courses

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### Language Courses

#### MHB155H1 Elementary Modern Hebrew I [36L/12T]

Introduction to the fundamentals of Hebrew grammar and syntax. Emphasis on the development of oral and writing skills.  
Exclusion: Grade 4 Hebrew (or Grade 2 in Israel)/NML155H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

#### MHB156H1 Elementary Modern Hebrew I [36L/12T]

Continued introduction to the fundamentals of Hebrew grammar and syntax. Emphasis on the development of oral and writing skills.  
Prerequisite: MHB155H1/NML155H1 or permission of instructor  
Exclusion: Grade 4 Hebrew (or Grade 2 in Israel)/NML156H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

#### MHB255H1 Intermediate Modern Hebrew [36L/12T]

Intensive study of written and spoken Hebrew.  
Prerequisite: MHB156H1/ NML156H1 or permission of instructor  
Exclusion: Grade 8 Hebrew (or Ulpan level 2 in Israel)/NML255Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

#### MHB256H1 Intermediate Modern Hebrew [36L/12T]

Continued intensive study of written and spoken Hebrew.  
Prerequisite: MHB255H1/NML156H1 or permission of instructor  
Exclusion: Grade 8 Hebrew (or Ulpan level 2 in Israel)/NML255Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

#### MHB355H1 Advanced Modern Hebrew [36L/12T]

Advanced intensive study of written and spoken Hebrew.  
Prerequisite: MHB256H1/NML255Y1 or permission of instructor  
Exclusion: OAC Hebrew/NML355Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

#### MHB356H1 Advanced Modern Hebrew [37L/12T]

Continued advanced intensive study of written and spoken Hebrew.  
Prerequisite: MHB355H1 or permission of instructor  
Exclusion: OAC Hebrew/NML355Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

#### RLG260H1 Introduction to Sanskrit I (Formerly RLG260Y1) [48L]

The first semester of an introduction to Classical Sanskrit for beginners. Students build grammar and vocabulary, and begin to read texts in Sanskrit. Complete beginners are welcome. Two sections of the course will be offered: an on-campus class meeting and an online section via live webinar participation. The final exam will require attendance on the St. George campus, or in another authorized exam centre.  
Exclusion: RLG260Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)  
Available Online: consult Faculty or Graduate Unit for details

#### RLG263H1 Introduction to Sanskrit II (Formerly RLG260Y1) [48L]

The second semester of an introduction to Classical Sanskrit for beginners. Students continue to build grammar and vocabulary, and use that knowledge to read texts in Sanskrit. Two sections of the course will be offered: an on-campus class meeting and an online section via live webinar participation. The final exam will require attendance on the St. George campus, or in another authorized exam centre.  
Prerequisite: RLG260H1  
Exclusion: RLG260Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)  
Available Online: consult Faculty or Graduate Unit for details

#### RLG359H1 Intermediate Sanskrit I [24L]

Review of grammar and the development of vocabulary with a focus on reading simple narrative prose and verse.  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **RLG360H1 Intermediate Sanskrit II [24S]**

Review of grammar and the further development of vocabulary with a focus on reading simple narrative prose and verse.

Prerequisite: RLG359H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **RLG474H1 Sanskrit Readings (1) [24S]**

This course will have students read choice pieces of South Asian literature. While tackling a text in Sanskrit from a major literary tradition, Buddhist or Hindu, and discussing its content and context, students will learn strategies for translating and interpreting Sanskrit literature.

Prerequisite: Intermediate Sanskrit

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **RLG261H1 Introduction to Tibetan I (Formerly RLG261Y1) [48L]**

An introduction to Classical Tibetan language for beginners.

Development of basic grammar and vocabulary, with readings of simple texts. This is an online course. Lectures will be delivered via the web and mandatory tutorials will require live webinar participation. The final exam will require attendance on the St. George campus, or in another authorized exam centre.

Exclusion: RLG261Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

Available Online: consult Faculty or Graduate Unit for details

## **RLG262H1 Introduction to Tibetan II (Formerly RLG261Y1) [48L]**

The second semester of an introduction to Classical Tibetan language course for beginners. Continued work on grammar and vocabulary, advancing to reading texts. This is an online course. Lectures will be delivered via the web and mandatory tutorials will require live webinar participation. The final exam will require attendance on the St. George campus, or in another authorized exam centre.

Prerequisite: RLG261H1

Exclusion: RLG261Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

Available Online: consult Faculty or Graduate Unit for details

## **RLG370Y1 Intermediate Tibetan [48L]**

Intermediate level language course focusing on both spoken and literary forms of Tibetan.

Prerequisite: The equivalent of one year of Tibetan language training.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **RLG469Y1 Readings in Tibetan [48L/24S]**

Advanced readings in Tibetan literature using Tibetan language. Tibetan language skills required.

Prerequisite: Instructor's permission required for admission to course

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) +

Thought, Belief and Behaviour (2)

## **First Year Seminars**

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-](http://www.artsci.utoronto.ca/current/course/fyh-)

1/.

## **100-Series Courses**

### **RLG100Y1 World Religions [48L/24T]**

An introduction to the history, philosophy, and practice of the major religions of the world, including Judaism, Christianity, Islam, Hinduism, Buddhism, Confucianism and Taoism.

Exclusion: RLG280Y1, RLGA01H3, RLGA02H3. Note: RLGA01H3 and RLGA02H3 taken together are equivalent to RLG100Y1. Note: RLG101H5 is not equivalent to RLG100Y1Y

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2) + Society and its Institutions (3)

### **RLG101H1 Introducing Religion [24L]**

An introduction to topics in the study of Religion. Topics will vary by semester and year. Check the department website for upcoming topics.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **200-Series Courses**

Note

No 200-series course has a 100-series RLG course prerequisite or Co-requisite.

### **RLG200H1 The Study of Religion (formerly RLG200Y1) [24L/12T]**

An introduction to the discipline of the study of religion. This course surveys methods in the study of religion and the history of the discipline in order to prepare students to be majors or specialists in the study of religion.

Prerequisite: Open to Religion Specialists and Majors

Exclusion: RLG200Y1, RLGB10H3, RLG105H5

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### **RLG202H1 Judaism (Formerly RLG202Y1) [24L/12T]**

An introduction to the religious tradition of the Jews, from its ancient roots to its modern crises. Focus on great ideas, thinkers, books, movements, sects, and events in the historical development of Judaism through its four main periods - biblical, rabbinic, medieval, and modern.

Exclusion: RLG202H5, RLG202Y1

Recommended Preparation: RLG100Y1/RLG200H1/RLG280Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### **RLG203H1 Christianity (Formerly RLG203Y1) [24L/12T]**

An introduction to the Christian religious tradition as it has developed from the 1st century C.E. to the present and has been expressed in teachings, institutions, social attitudes, and the arts.

Exclusion: RLG203H5, RLG203Y1

Recommended Preparation: RLG100Y1/RLG200H1/RLG280Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

# Religion

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## **RLG204H1 Islam (Formerly RLG204Y1) [24L/24T]**

The faith and practice of Islam: historical emergence, doctrinal development, and interaction with various world cultures. Note: this course is offered alternatively with NMC283Y1, to which it is equivalent. Exclusion: NMC185Y1, NMC185H1, NMC283Y, RLG204H5, RLG204Y1  
Recommended Preparation: RLG100Y1/RLG200H1/RLG280Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG205H1 Hinduism (Formerly RLG205Y1) [24L/24T]**

A historical and thematic introduction to the Hindu religious tradition as embedded in the socio-cultural structures of India. Exclusion: RLG205H5, RLG205Y1  
Recommended Preparation: RLG100Y1/RLG200H1/RLG280Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG206H1 Buddhism (Formerly RLG206Y1) [24L/24T]**

The development, spread, and diversification of Buddhist traditions from southern to northeastern Asia, as well as to the West. Exclusion: RLG206H5, RLG206Y1  
Recommended Preparation: RLG100Y1/RLG200H1/RLG280Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG208H1 Sikhism [24L]**

A historical and thematic introduction to the Sikh religious tradition as embedded in the socio-cultural structures of India. Prerequisite: None  
Corequisite: None  
Exclusion: RLG207H5  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **RLG209H1 Justifying Religious Belief [24L]**

A survey course that introduces students to a range of epistemological and ethical issues in the study of religion. The issues include: the justification of religious belief; the coherence of atheism; reason vs. faith; the nature of religious language; religious pluralism, exclusivism, and inclusivism. Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG210Y1 Introduction to the Sociology of Religion [48L/24T]**

Religion from the sociological viewpoint; religion as the source of meaning, community and power; conversion and commitment; religious organization, movements, and authority; the relation of religion to the individual, sexuality and gender; conflict and change; religion and secularization. Emphasis on classical thinkers (Durkheim, Marx, Weber) and contemporary applications. Note: This course is equivalent to SOC250Y1. Exclusion: SOC250Y1  
Distribution Requirement Status: Social Science  
Breadth Requirement: Thought, Belief and Behaviour (2) + Society and its Institutions (3)

## **RLG211H1 Psychology of Religion [24L/12T]**

A survey of the psychological approaches to aspects of religion such as religious experience, doctrine, myth and symbols, ethics and human transformation. Attention will be given to phenomenological, psychoanalytic, Jungian, existentialist, and feminist approaches. Distribution Requirement Status: Social Science  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG212H1 Anthropology of Religion (formerly RLG212Y1) [24L/24T]**

Anthropological study of the supernatural in small-scale non-literate societies. A cross-cultural examination of systems of belief and ritual focusing on the relationship between spiritual beings and the cosmos as well as the rights and obligations which arise therefrom. Among the topics covered are: myth and ritual; shamanism and healing; magic, witchcraft and sorcery; divination; ancestor worship. Exclusion: RLG212Y1  
Distribution Requirement Status: Social Science  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG213H1 Methods of Reading Sacred Texts [24L/12T]**

Surveys interpretative traditions related to sacred texts, focusing on reading strategies that range from the literal to the figurative with attention to rationales that transform literal textual meanings and copyists manipulations of texts. May focus on various religious traditions from year to year, targeting a single canonical tradition or comparative analysis. Students will gain insight into literalist, environmentalist, secularist and erotic approaches to texts. Prior exposure to the study of religion is not required; all readings will be in English. Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG215H1 Pilgrimage as Idea and Practice [24L/12T]**

The study of pilgrimage has become increasingly prominent in anthropology and religious studies in recent decades. Why should this be? This course provides some answers while engaging in a cross cultural survey and analysis of pilgrimage practices. We also explore whether research into pilgrimage has wider theoretical significance. Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **RLG220H1 Philosophical Responses to the Holocaust [24L/12T]**

This course deals with how the momentous experience of the Holocaust, the systematic state-sponsored murder of six million Jews as well as many others, has forced thinkers, both religious and secular, to rethink the human condition. Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **RLG221H1 Religious Ethics: The Jewish Tradition [24L/12T]**

A brief survey of the Jewish biblical and rabbinic traditions; the extension of these teachings and methods of interpretation into the modern period; common and divergent Jewish positions on pressing moral issues today. Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG224H1 Problems in Religious Ethics [24L/24T]**

An introduction to the analysis of ethical problems in the context of the religious traditions of the West. Abortion, euthanasia, poverty, environmental degradation, militarism, sex, marriage, and the roles of men and women.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG227H1 Animals and Religion [24L]**

Animals appear in numerous myths, legends and parables, as anthropomorphized symbols of human traits, as bearers of moral instruction, as agents of supernatural powers, and as divine messengers. Such questions as how to treat them properly and how human beings differ from them have helped define religious and cultural identities for millennia. This course examines how animals figure into religious and cultural identities by examining their place in myths, legends, and parables. It also examines the intersection of religious cosmologies, animal ethics, and environmental problems, including global warming, water depletion, and mass extinction, and the role of religion in ameliorating or exacerbating these problems.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **RLG228H1 Religious Ethics: The Environment [24L/12T]**

The ethics and religious symbolism of environmental change: animal domestication and experimentation, deforestation, population expansion, energy use, synthetics, waste and pollution.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG229H1 Death, Dying and Afterlife [24L/12T]**

This course introduces students to various religious approaches to death, the dead, and afterlife. Through considering different ways in which death has been thought about and dealt with, we will also explore different understandings of life and answers to what it means to be human.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG230H1 Religion and Public Life [24L/12T]**

Course examines various issues: the role of religions in public, political contexts, such as religion and secularism in democratic societies; religion, human rights, and law; religion and state power; the political nature of religious social structures, religion and the politics of gender and sexuality; interreligious conflict and alliances

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **RLG231H1 Religion and Science (formerly RLG231Y1) [24L/12T]**

Course explores issues at the intersection of religion and science which may include such topics as evolution and the assessment of its religious significance by different traditions, conceptions of God held by scientists (theism, pantheism, panentheism), ethical issues raised by scientific or technological developments (cloning or embryonic stem cell research), philosophical analysis of religious and scientific discourses.

Exclusion: RLG231Y1, SMC230Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG232H1 Religion and Film [24L/12T]**

The role of film as a mediator of thought and experience concerning religious worldviews. The ways in which movies relate to humanity's quest to understand itself and its place in the universe are considered in this regard, along with the challenge which modernity presents to this task. Of central concern is the capacity of film to address religious issues through visual symbolic forms.

Exclusion: RLG232H5

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **RLG233H1 Religion and Popular Culture [36L]**

A course on the interactions, both positive and negative, between religion and popular culture. We look at different media (television, advertising, print) as they represent and engage with different religious traditions, identities, and controversies.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **RLG235H1 Religion, Gender, and Sexuality (formerly RLG314H1) [24L]**

Examination of gender as a category in the understanding of religious roles, symbols, rituals, deities, and social relations. Survey of varieties of concepts of gender in recent feminist thought, and application of these concepts to religious life and experience. Examples will be drawn from a variety of religious traditions and groups, contemporary and historical.

Prerequisite: See note above for general prerequisites

Exclusion: RLG314H1, RLG314H5

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG239H1 Special Topics [24L]**

Some topic of central interest to students of religion, treated on a once-only basis. For details of this years offering, consult the Departments current undergraduate handbook.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **RLG241H1 Early Christian Writings I (Formerly RLG241Y1) [24L/12T]**

An introduction to early Christian writings, including the 'New Testament,' examined within the historical context of the first two centuries. No familiarity with Christianity or the New Testament is expected.

Exclusion: RLG241H5; RLG341H5; HUMC14H3; RLG241Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG243H1 Diasporic Religions [24L/12T]**

An examination of religions in their contemporary diasporic and transnational modes. Issues addressed include the role of religions in sustaining identities across national boundaries, the enmeshment of religious minorities in political practices of governance, the impact of cultural forces such as commodification or gender upon religious representations and transformations, and the intersection of religion with other kinds of authoritative knowledge, such as medicine or law, in diasporic conditions.

Recommended Preparation: RLG100Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

# Religion

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## **RLG245H1 Religions of the Silk Road (formerly RLG245Y1) [24L/24T]**

An historical introduction to the religious traditions that flourished along the Silk Road, including Zoroastrianism, Manichaeism, Nestorian Christianity, Judaism, Buddhism and Islam. Drawing on a variety of sources (textual, archaeological, works of art), the course will focus on the spread and development of these traditions through the medieval period. Issues include cross-cultural exchange, religious syncretism, ethnic identity formation and so on. Emphasis will also be placed on religious and political events in modern Central Asia.

Exclusion: RLG245Y1

Recommended Preparation: RLG100Y1/RLG280Y1/RLG100H5

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG246H1 Karma and Dharma in Indic Tradition [24L/12T]**

A comparative study of the development of ethical perspectives in Hinduism, Buddhism, and Jainism, concluding with a discussion of contemporary moral issues.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG249H1 Dreams, Visions and the Invisible [24L/12T]**

While dreaming seems to be a universal experience, dreams have been understood in a variety of ways in different historical, cultural, and religious contexts. This course introduces students to different approaches to dreams, visions and apparitions, drawing from the fields of psychology, anthropology, history, and religious studies. Topics will include the social life of dreams and visions, the politics of discernment, faith and skepticism, and narrative and visual representations of dreams. Special attention will be given to the question of when, how, and under what circumstances an experience is deemed religious.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG280Y1 World Religions: A Comparative Study [48L/24T]**

An alternative version of the content covered by RLG100Y1, for students in second year or higher who cannot or do not wish to take a further 100-level course. Students attend the RLG100Y1 lectures and tutorials but are expected to produce more substantial and more sophisticated written work, and are required to submit an extra written assignment.

Prerequisite: Completion of 5.5 full course equivalents

Exclusion: RLG100Y1/RLGA01H3/RLGA02H3

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2) + Society and its Institutions (3)

## **RLG290Y1 Special Topics [24S]**

Topics vary from year to year Please check Department handbook.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **300-Series Courses**

### Note

All 300-series courses normally presuppose at least three prior RLG half-courses (or equivalent). Only specific Prerequisites or recommended preparations are listed below. Students who do not meet the Prerequisites but believe they have adequate academic preparation should consult the Undergraduate Administrator regarding entry to the course.

## **RLG301H1 Sigmund Freud on Religion [24L]**

Systematic analysis of Freud's main writings on religion, studied within the context of central concepts and issues in psychoanalysis such as: the Oedipus Complex, the meaning and function of symbols, the formation of the ego and the superego, and the relations between the individual and culture.

Prerequisite: RLG211Y1/RLG211H1; see note above for general

Prerequisites

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG303H1 The Problem of Evil and Suffering [24L]**

The existence of evil poses a problem to theistic beliefs and raises the question as to whether a belief in a deity is incompatible with the existence of evil and human (or other) suffering. This course examines the variety of ways in which religions have dealt with the existence of evil.

Prerequisite: See note above for general prerequisites

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG304H1 Language, Symbols, Self [24L]**

Theories of the self that involve the constitutive role of language in its various forms. Problems of socially-conditioned worldviews and sense of self as related to discourse. Myth, symbol, metaphor, and literary arts as vehicles for personality development and self-transformation along religious lines.

Prerequisite: See note above for general prerequisites

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG305H1 Material Religion? [24L]**

Religions are constituted by material forms, including bodies, shrines, films, icons, and 'kitsch'. Anti-material impulses have also prompted many religious impulses, involving forms of iconoclasm that ironically demonstrate the power of objects. What is at stake in studying materiality? How might such a perspective transform our view of religion?

Prerequisite: See note above for general prerequisites

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **RLG306H1 Anthropology of Christianity [24L]**

This course focuses on current debates in the fast-developing field of the anthropology of Christianity. Topics possibly included: the past and present influence of Christianity on anthropological thinking; historical interactions between missionaries and anthropologists; emerging transnational, charismatic Christian networks; the 'Southernization' of Christianity; Christianity and competing ideas of 'the modern'.

Prerequisite: RLG100Y1/ANT204H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **RLG307H1 Museums and Material Religion [24L]**

Museums have long collected and curated religious objects for public audiences, with missionaries as a primary collections source. Multiple visits to the Royal Ontario Museum and other museums will enable students to think critically about how museums received and presented these objects, while engaging with the challenges of museum curation.

Prerequisite: One FCE in Social Science or Humanities

Corequisite: None

Exclusion: None

Recommended Preparation: None

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **RLG308H1 Religion and the City [24L]**

The course focuses on the role of religion in the genesis and development of cities, as well as the ways urbanization and immigration have transformed religious organizations and identities. Various methodologies, including ethnography, social and cultural history, and textual analysis will be considered. In some years, course projects will focus on mapping the changing significance and presence of particular religions in Toronto. Check with the department for the next scheduled focus for this course.

Prerequisite: See note above for general prerequisites

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **RLG309H1 Religion and Human Rights (Formerly RLG309Y1) [24L]**

The relationship and interaction between religious and ethical norms, social and political ideals, and systems of law. The course concerns the ongoing dialectic between religious and other values, the application of religious ideas to social orders, and questions of religious and human rights.

Prerequisite: three RLG or PHI/PHL half-courses and third year standing. See note above for general prerequisites

Exclusion: RLG309H5, RLG309Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG310H1 Modern Atheism and the Critique of Religion (Formerly RLG310Y1) [24L]**

This course examines major classical thinkers who have contributed to the development of critical approaches to religion in the modern West, and whose theories still influence contemporary debates. We begin with the 17th century European Enlightenment and proceed to examine selected 19th and 20th century thinkers. The approaches considered are mainly philosophical, but include historical, social, and political issues as well. Authors studied include Hume, Kant, Marx, Nietzsche and others.

Prerequisite: three RLG or PHI/PHL half-courses and third year standing. See note above for general prerequisites

Exclusion: RLG310Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG311H1 Gender, Body and Sexuality in Asian Traditions (formerly RLG236H) [24L/12T]**

A study of women in the religious traditions of South and East Asia, including historical developments, topical issues, and contemporary womens movements.

Prerequisite: see note above for general Prerequisites

Exclusion: RLG236H1

Recommended Preparation: RLG235H

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **RLG312H1 Gender, Body and Sexuality in Islam [24L]**

An introduction to the role of women in Muslim societies in past and present. Topics include the status of women in the Quran and Islamic law, veiling, social change, and Islamic feminism.

Prerequisite: see note above for general Prerequisites

Exclusion: RLG251H1

Recommended

Preparation: RLG100Y1/RLG200Y1/RLG204Y1/NMC283Y1/RLG204H5/235H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **RLG313H1 Gender, Sexuality and Religion in the West (formerly 237H1) [24L/12T]**

This course is a comparative study of the significance of gender and sexuality within Judaism, Christianity, Islam, and new religious movements in Europe and the Americas. Topics may include historical, political, social, and legal contexts for changing approaches to gender and sexuality in these religions.

Prerequisite: see note above for general Prerequisites

Exclusion: RLG237H1/RLG314

Recommended Preparation: RLG235H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **RLG315H1 Rites of Passage [24L]**

Analysis of rituals of transition from one social status to another (e.g., childbirth, coming of age, marriage,) from theoretical, historical and ethnographic perspectives. Particular attention is paid to the importance of rites of passage in the construction of gendered identities.

Prerequisite: See note above for general prerequisites

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **RLG316H1 Martyrs, Mystics, and Saints [24L/12T]**

An examination of the variety of ways in which religious traditions construct sanctity, articulate categories of exceptionalism, and how exceptional persons function within social systems. Consideration of gender and social status in definitions of sanctity. Focus varies from year to year, and may focus either on constructions of sanctity in one religious tradition, or comparatively, comparing and contrasting ideas of sainthood and martyrdom in Christianity, Judaism, Islam, Hinduism and/or Buddhism.

Recommended Preparation: RLG100Y1/RLG100H5/RLG280Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG317H1 Religious Violence and Nonviolence [24L]**

Religious violence and nonviolence as they emerge in the tension between strict adherence to tradition and individual actions of charismatic figures. The place of violence and nonviolence in selected faith traditions.

Exclusion: RLG317H5

Recommended Preparation: RLG100Y1/280Y1; see note above for general prerequisites

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG319H1 Reconception of Biblical Figures in Early Jewish and Christian Sources [24L]**

This course examines the origins, growth, and texture of traditions that developed in early Judaism and Christianity around selected biblical figures. With an eye to the function played and authority held by these traditions, the course will focus variously on Adam and Eve, Enoch, Abraham, Miriam, Levi, David, and Solomon.

Prerequisite: RLG241Y1/NMC280H1/NMC280Y1; see note above for general prerequisites

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

# Religion

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## **RLG320H1 Judaism and Christianity in the Second Century [24L]**

Judaism and Christianity in the period from 70 C.E. to 200 C.E. The course focuses on the relationship between the two religious groups, stressing the importance of the setting within the Roman Empire. Prerequisite: RLG241Y1; see note above for general prerequisites  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **RLG321H1 Early Christian Writings II [24L]**

An introduction to the first and second century Christian writings. A survey of the surviving works and their historical contexts, close analysis of selected texts and an examination of what these sources tell us about the early Christian communities. Prerequisite: RLG241Y1/RLG203Y1; see note above for general prerequisites  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG322H1 Early Christian Gospels [24L]**

Literary, historical, and rhetorical analyses of selected early Christian gospels. The gospels to be treated will vary, but each year will include a selection from the four canonical gospels and extra-canonical gospels (the Gospel of Thomas, the Gospel of Philip, the Gospel of Peter, the Gospel of Truth, infancy gospels, and fragments of Jewish-Christian gospels). Prerequisite: RLG241Y1; see note above for general prerequisites  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **RLG323H1 Jesus of Nazareth [24L]**

An examination of the historical Jesus based on a critical study of the earliest accounts of Jesus, with intensive study of the Gospels to determine what can be said about Jesus activities and teachings. Prerequisite: RLG241Y1; see note for above general prerequisites  
Exclusion: RLG323H5  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG324H1 Paul of Tarsus [24L]**

An examination of Paul's life and thought as seen in the early Christian literature written by him (the seven undisputed letters), about him (the Acts of the Apostles, the Acts of Paul) and in his name (the six disputed NT letters). Prerequisite: RLG241Y1; see note for above general Prerequisites  
Exclusion: RLG324H5  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG326H1 Roots of Early Christianity and Rabbinic Judaism [24L]**

Analysis of selected documents of Second Temple Judaism in their historical contexts, as part of the generative matrix for both the early Jesus movement and the emergence of rabbinic Judaism. Prerequisite: RLG241Y1/RLG202Y1/RLG203Y1; see note for general prerequisites  
Exclusion: RLG326H5  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **RLG327H1 Magic and Miracle in Early Christianity [24L]**

Magic, religion, astrology, alchemy, theurgy, miracle, divinational all of these phenomena characterize the context and practice of ancient Christianity. This course examines the constitution of these categories, the role and character of these phenomena in the Graeco-Roman world, and the interaction with and integration of these phenomena by ancient Christianity. Prerequisite: RLG241Y1; see note above for general prerequisites  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG328H1 The Politics of Belief in Early Christianity [24L]**

This course examines historical processes, negotiations, and strategies involved in the consolidation of discourses and practices of orthodoxy and heresy in Christianity from the second through fifth centuries. Topics include: intellectual, therapeutic, and social models of orthodoxy; methods of discipline; historical events and contexts; the political and social contexts of theological conflict; and the gendered production of the orthodox subject. Prerequisite: See note above for general Prerequisites  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **RLG332H1 Memoir and Confession: Telling Christian Lives [24L]**

How and why have modern Christians revealed their inner lives via diaries, autobiographies, memoirs, and letters? Reading autobiographical writings and theoretical approaches, we consider how Christians have negotiated self-aggrandizement and self-security, revelation in the wake of scientific worldviews, and the influences of race, gender, nationality, celebrity, and class on their storytelling. Prerequisite: RLG203Y1; see note above for general prerequisites  
Distribution Requirement Status: Humanities or Social Science  
Breadth Requirement: Creative and Cultural Representations (1)

## **RLG333H1 Christianity and Conflict [24L]**

This course focuses on modern Christianity as an instigator of conflict and a resource for its resolution. Exploring conflict among Christians and between Christians and non-Christians, topics may include missions and colonialism; gender and sexuality; anti-Semitism; pacifism and just war; Catholic-Protestant tensions; cultural diversity and syncretism; and church-state relations. Prerequisite: See note above for general prerequisites.  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **RLG336H1 Monsters and Others in the Christian Middle Ages [24L]**

A course looking at the theories about and responses to the monstrous in the European Christian Middle Ages. Prerequisite: See note above for general prerequisites  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **RLG337H1 Witchcraft and Magic in Christian Tradition [24L/12T]**

This course considers the history and theory of Western witchcraft, magic, and heresy in the mediaeval and early modern periods. Consideration of relevant anthropological theory, the relationship between constructions of witchcraft, the Enlightenment and the rise of science, and the role of gender in definitions of witchcraft. Prerequisite: See note above for general prerequisites  
Recommended Preparation: RLG203Y1/RLG203H5  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)



## **RLG340H1 Classical Jewish Theology (Formerly RLG340Y1) [24L]**

A study of four great figures during critical moments in Jewish history, each of whom represents a turning point: Jeremiah (biblical era), Rabbi Akiva (rabbinic era), Moses Maimonides (medieval era), Franz Rosenzweig (modern era). Belief in God; Torah as law, teaching, tradition, revelation, eternity of Israel, meaning of Jewish suffering, problem of radical evil, history and messianism.

Prerequisite: RLG100Y1/RLG202Y1/RLG221H1/RLG280Y1; see note above for general Prerequisites

Exclusion: RLG340Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG341H1 Dreaming of Zion: Exile and Return in Jewish Thought [24L]**

An inquiry into the theme of exile and return in Judaism, often called the leading idea of Jewish religious consciousness. Starting from Egyptian slavery and the Babylonian exile, and culminating in the ideas of modern Zionism, the course will examine a cross-section of Jewish thinkers--ancient, medieval, and modern.

Prerequisite: RLG100Y1/RLG202Y1/RLG280Y1/RLG342Y1; see note above for general Prerequisites

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG342H1 Judaism in the Modern Age (formerly RLG342Y1) [24L]**

The development and range of modern Jewish religious thought from Spinoza, Mendelssohn and Krochmal, to Cohen, Rosenzweig and Buber. Responses to the challenges of modernity and fundamental alternatives in modern Judaism.

Prerequisite: RLG100Y1/RLG202Y1/RLG221H1/RLG280Y1; see note above for general Prerequisites

Exclusion: RLG342Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG343H1 Kabbala: A History of Mystical Thought in Judaism [24L]**

A historical study of the Kabbala and the mystical tradition in Judaism, with emphasis on the ideas of Jewish mystical thinkers and movements.

Prerequisite: RLG100Y1/RLG202Y1/RLG280Y1; see note above for general Prerequisites

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG344H1 Antisemitism [24L]**

Explores how "Jews" have been viewed (often mistakenly and confusedly) in various contexts from pre-Christian antiquity to the contemporary world. Emphasis is on problems involved in defining and explaining antisemitism, especially concerning the difference between religious and racial forms of antisemitism.

Prerequisite: A 200-level course in Judaism or Christianity or Western history; see note above for general prerequisites

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **RLG345H1 Social Ecology and Judaism [24L]**

The environment and human society studied as systems of organization built for self-preservation. Such topics as vegetarianism and the humane treatment of animals, suicide and euthanasia, sustainability and recycling, explored from the perspective of Judaism.

Prerequisite: RLG100Y1/RLG228H1/RLG280Y1/one course in Jewish Studies

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **RLG346H1 Time and Place in Judaism [24L]**

The meaning of holy time and holy place, the physics and metaphysics of time and space within Judaism. Topics include the garden of Eden, the temple, the netherworld, the land of Israel, and exile; the sabbath and the week; the human experience of aging as fulfillment and failing.

Prerequisite: RLG100Y1/RLG280Y1/one course in Jewish Studies

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG349H1 Special Topics in Judaism [24S]**

Topics in Judaism. Themes vary from year to year.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG350H1 The Life of Muhammad [24L]**

This course examines Muhammad's life as reflected in the biographies and historical writings of the Muslims. Students will be introduced to the critical methods used by scholars to investigate Muhammad's life. Issues include: relationship between Muhammad's life and Quran teachings and the veneration of Muhammad.

Prerequisite: RLG100Y1/RLG200Y1/RLG204Y1/NMC283Y1/RLG204H5 ; See note above for general prerequisites

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG351H1 The Quran: An Introduction [24L]**

The revelatory process and the textual formation of the Quran, its pre-eminent orality and its principal themes and linguistic forms; the classical exegetical tradition and some contemporary approaches to its interpretation.

Prerequisite: RLG100Y1/RLG204Y1/RLG224H1/RLG280Y1/NMC185Y1 /NMC185H1; see note above for general Prerequisites

Exclusion: NMC285H1, NMC285Y1, NMC286H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **RLG352H1 Post-Colonial Islam [24L]**

This course will study Islam in a post-colonial framework. It will introduce students to the work of post-colonial studies, and how critical scholarship has transformed our understanding of monolithic concepts such as modernity, the nation and Islam. It will focus on the particular case of Islam in South Asia and the Middle East by exposing students to the transformative impact of colonialism. It will equip students with the tools to challenge the hegemonic notion of a singular 'tradition' in Islam by tracing its lineages in the post-colony.

Prerequisite: NMC283Y1/RLG204Y1/NMC278H1; see note above for general Prerequisites

Exclusion: NMC381Y1, RLG250H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **RLG354H1 Islam in Egypt [24L]**

This course complicates the notion of a monolithic Islam through looking at different forms of religious life found in Egypt, including Sufism, state Islam, reformist Islam, and Islamist movements.

Prerequisite: See note above for general prerequisites

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

# Religion

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## **RLG355H1 Anthropology of Islam [24S]**

Combines theoretical reflections on what an anthropology of Islam might entail with ethnographic readings on the practice of Islam in communities around the world.

Prerequisite: See note above for general prerequisites

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG356H1 Islam in China [24S]**

Despite having an estimated Muslim population of 20 million, the place of Islam within the Peoples Republic of China is not widely understood. This course will examine the history of Islam in China from its introduction in the seventh century through the modern period. Emphasis will be placed on the variety of practices within Chinas contemporary Muslim communities. Specific attention will be paid to official state policy toward the Hui and Uygur ethnic minorities, including laws governing pilgrimage, the veil, the formation of Islamic organizations, the reformation of writing systems and so on.

Prerequisite: See note above for general prerequisites

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **RLG358H1 Special Topics in Hinduism [24L]**

Topics in Hinduism. Themes vary from year to year.

Prerequisite: RLG100/205/280

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **RLG361H1 Hinduism in the Diaspora [24L]**

A study of the patterns, practices, and challenges of Hindu communities in the diaspora, including issues of identity formation, nostalgic constructions of the "homeland", the evolution of new forms of religious practice, and the quest for authenticity.

Prerequisite: RLG100Y1/RLG205Y1/RLG280Y1; see note above for general Prerequisites

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **RLG362H1 Rama of Ayodhya: From Literature to Politics [24L]**

A study of the figure of Rama, from his genesis in the Valmiki Ramayana, to his historical evolution as a cultural and political icon through mediaeval and modern India.

Prerequisite: RLG205Y1; see note above for general prerequisites

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **RLG363H1 Bhakti Hinduism [24L]**

A study of Hindu bhakti traditions through classical and vernacular texts, in conversation with colonial and post-colonial theoretical perspectives on the notion of "bhakti" in Hinduism.

Prerequisite: RLG100Y1/RLG205Y1/RLG280Y1; see note above for general Prerequisites

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **JPR364Y1 Religion and Politics (formerly POL364H/Y1) [48L]**

This course examines the evolving role of religions in contemporary public, political contexts. Themes include: democracy and secularism; religion, human rights, law and justice; party politics, identity-formation and citizenship; gender and sexuality; interreligious conflict. (*Given by the Departments of Political Science and Religion*)

Prerequisite: 1.0 POL credit/1.5 full course equivalents in Religious Studies

Exclusion: JPR364H1/RLG230H1/POL364H1/POL364Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2) + Society and its Institutions (3)

## **RLG364H1 Hinduism and Contemporary Media [24L]**

A historically-informed look at Hinduism's engagement with contemporary media: books, television, film, and cyberspace.

Prerequisite: RLG205Y; see note above for general prerequisites

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **RLG365H1 Modern Hinduism [24L]**

The development of modern Hindu religious thought in the contexts of colonialism, dialogue with the West and the secular Indian state.

Prerequisite: RLG100Y1/RLG205Y1/RLG280Y1; see note above for general Prerequisites

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **RLG366H1 Hindu Philosophy [24L]**

A study of different schools, texts, and issues of Hindu philosophy.

Prerequisite: RLG100Y1/RLG205Y1/RLG280Y1; ;See note above for general Prerequisites

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG368H1 Yoga and Ayurveda [24L]**

The course surveys the textual sources of the practices of Yoga and Ayurveda. It critically evaluates the assumption of an unbroken continuity of tradition of these practices from antiquity onwards and comes to consider what they have come to constitute as a result of modernity and globalization.

Prerequisite: RLG205Y1; see note above for general prerequisites

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG369H1 The Mahabharata [24L]**

A study of the great Sanskrit epic, the Mahabharata.

Prerequisite: RLG205Y1; see note above for general prerequisites

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **RLG372H1 Tibetan Buddhism [24L]**

A survey of the various schools of Tibetan Buddhism, focusing on differences in both theory and practice, with readings of Tibetan texts in translation and ethnographic studies of Buddhist practice in Tibet.

Prerequisite: RLG206Y; see note above for general prerequisites

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG373H1 Buddhist Ritual [24L]**

Daily worship, the alms round, life-crisis celebrations, healing rituals, meditation, festivals, pilgrimage, the consecration of artefacts and taking care of the ancestors are among the forms of Buddhist ritual introduced and analyzed in this course. Liturgical manuals, ethnographic descriptions and audiovisual records form the basis for a discussion of the role of ritual as text and event.

Prerequisite: See note above for general prerequisites

Recommended Preparation: RLG206Y1/RLG206H5

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## JPR374H1 Religion and Power in the Postcolony [24L]

This course examines the role of a variety of religious forms and spiritual practices in the politics of postcolonial societies, tracing their genealogies from the colonial period to the present. Cases taken principally from Africa and Asia. (*Given by the Departments of Political Science and Religion*)

Prerequisite: 1.0 POL 200-level credit/1.5 full course equivalents in Religious Studies

Exclusion: JPR374Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## RLG374H1 Buddhist Auto/Biography [24L]

This course explores the genres of autobiography and biography in Buddhist literature. The course will begin with theoretical studies on narrative and religious life-writing. We will then consider the development and distinctive features of auto/biographies and hagiographies in the literature of one or more Buddhist cultures, analyzing representative examples of these genres from a range of traditions and historical periods, and considering how these sources have been understood and used in secondary scholarship.

Prerequisite: RLG206Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## RLG375H1 Buddhist Thought [24L]

An introduction to philosophical thought in various Buddhist traditions.

Prerequisite: RLG206Y1; see note above for general prerequisites

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## RLG376H1 Buddhism in South and Southeast Asia [24L]

The course serves as an introduction to one or more Buddhist traditions still living or historically documented in South and Southeast Asia, ranging from ancient and medieval Buddhism to Buddhist modernities and including Buddhism in its local Theravada variants. Themes will vary by year; consult the departmental website for this year's course description.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## RLG377H1 Theravada Literature [24L]

By looking into the Three Baskets of the Pali canon, distinguishing the voices of its various medieval commentators, handling the illuminated folios of palm leaf manuscripts and comparing contemporary vernacular fiction, the course introduces the historical and contemporary Buddhist literatures of Sri Lanka, Myanmar, Thailand, Cambodia, Laos and Nepal.

Prerequisite: RLG206Y1 or RLG206H5; see note above for general prerequisites

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## RLG378H1 Himalayan Buddhism [24L]

This course will examine the diversity of Buddhist traditions in the Himalayan region, covering texts, rituals, histories, and personalities relevant to their study, and the methods employed in the field.

Prerequisite: RLG206Y1 or RLG205Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## RLG379H1 Central Asian Buddhism [24L]

This course attempts to deal with the perennial "black box" of Buddhist history, namely the course and mode of its transmission from India to China across Central Asia along the old Silk Road. The semester will begin with the founding of the early Buddhist empires in northwest India and end with the modern discovery of buried Buddhist treasures in the deserts of contemporary China. Along the way, we will explore key issues in the regional transmission of Buddhism across Central Asia, including the role of trade and commerce, patronage (royal, lay), language and translation, art and architecture, ritual, and so on. Each class will incorporate both primary and secondary readings in translation, as well as maps and slides.

Prerequisite: See note above for general prerequisites

Recommended Preparation: RLG100Y1/RLG280Y1/RLG207Y1/

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## RLG382H1 The Taking of Human Life [24S]

Frequently today in discussions in bioethics dealing with life and death, even secular thinkers invoke the concept of the sanctity of human life. Yet that concept is clearly religious in origin. What do the three great monotheistic traditions have to say about this concept and its ethical significance?

Prerequisite: Instructor's permission required for admission to course

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## RLG384H1 Pluralism and Dialogue [24L]

The contemporary phenomenon of religious pluralism: its historical emergence, social context and intellectual justifications. Achievements, techniques and outstanding issues in inter-religious dialogue.

Prerequisite: See note above for general prerequisites

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## RLG388H1 Special Topics I [24L]

Special Topics.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## RLG389H1 Special Topics II [24L]

Special Topics

Distribution Requirement Status: Humanities

Breadth Requirement: None

## 400-Series Courses

Note

400-series courses are intended primarily for Specialists and Majors who have already completed several RLG courses. Almost all 400-level courses are E indicator courses and require the instructor's permission. Students must enrol at the Department.

## RLG404H1 Departmental Capstone-Research [24S]

An integrative capstone seminar that emphasizes iterative development of a research project, locating a research specialization within its broader disciplinary audience, and communicating the process and results of a research project to non-specialists within the study of religion. Open to Religion Specialists and Majors only.

Prerequisite: open to 4th year Religion Specialists and Majors

Distribution Requirement Status: Humanities

Breadth Requirement: None

# Religion

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## **RLG405H1 Departmental Capstone-Practical [24S]**

A capstone seminar that emphasizes integration of the study of religion with contemporary public life in the development of a research project, locating a research specialization in relation to non-academic contexts, and communicating the process and results of a research project to non-academic audiences.

Prerequisite: open to 4th year Religion Specialists and Majors

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **RLG406H1 Constructing Religion [24S]**

How have different researchers constructed 'religion' as their object of study, and are some frameworks simply incompatible with each other? We discuss –but also provide critical assessments of -- different theoretical and methodological frameworks.

Prerequisite: open to 4th year Religion Specialists and Majors

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG410Y1 Advanced Topics in Religion [24S]**

Advanced Topics in Religion

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **RLG411H1 Advanced Topics in Religion [24S]**

Advanced Topics in Religion

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **RLG412H1 Advanced Topics in Religion [24S]**

Advanced Topics in Religion

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **RLG414H1 Comparing Religion [24S]**

Few methods have been more foundational to the scholarly study of religion, or more subject to searching criticism, than the practice of comparison. This seminar offers an advanced introduction to comparative method through close study of 4-6 recent works, from ritual studies, philosophy of religion, comparative theology and/or ethnography

Prerequisite: Permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG416H1 Topics in Religion and Gender [24S]**

Advanced study in specialized topics focusing on the intersection of religion and gender.

Prerequisite: Permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **RLG417H1 Radical Evil [24S]**

Interrogation of the concept of 'radical evil' from perspectives of philosophy, critical theory, psychoanalysis and the study of religion.

Prerequisite: Permission of instructor

Corequisite: None

Exclusion: None

Recommended Preparation: None

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG418H1 Advanced Topics in the Philosophical Study of Religion [24S]**

A seminar that explores a topic in the philosophical study of religion.

Possible topics include: the nature of religious truth; the phenomenology of religion; descriptions of the holy; religion and the meaning of life; God-talk as literal or metaphorical language; naturalizing religious belief.

Prerequisite: RLG209H1; Permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **JPR419H1 Secularism and Religion (formerly RLG419H1) [24S]**

Themes considered include what notion of religion is necessary for secular governance, and how secularity relates to particular discourses of citizenship and practices of political rule. Case studies include the effects of colonial rule on religious life; Jewish emancipation in Europe; and religious freedom in France and North America. (*Given by the Departments of Political Science and Religion*)

Registration in this course is through the Department of Religion.

Prerequisite: 2.0 200-level (or above) credits in Political Science or

Study of Religion/permission of the instructor

Exclusion: RLG419H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **RLG420H1 Religion and Philosophy in the European Enlightenment [24S]**

An advanced study of selected Enlightenment thinkers with a focus on their interpretations of religion. The main thinkers discussed are Spinoza, Hume, and Kant. Issues include the rational critique of traditional religion, the relations among religion, ethics and politics, and the pursuit of universal approaches to religion.

Prerequisite: Permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG421H1 Critical Theory, Psychoanalysis, and Religion [24S]**

Advanced study of key figures past and present in the psychoanalytic study of religion, including Freud and other psychoanalytic interpreters from both Anglo-American and European traditions. Crucial distinctions between psychology of religion and the psychoanalytic study of religion. Permission of instructor.

Prerequisite: Permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG422H1 Kant's Theory of Religion [24L/12S]**

An advanced study of Immanuel Kant's theory of religion, as developed in major writings such as Critique of Practical Reason and Religion within the Boundaries of Mere Reason. Emphasizes rational ethical criteria as the basis for analyzing the doctrines, symbols, and institutions of historical religions.

Prerequisite: Permission of instructor

Recommended Preparation: RLG310Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG425H1 Hermeneutics and Religion [24S]**

A study of how principles of textual interpretation and theories of language have been central to modern philosophy of religion. We begin with Schleiermacher, and then move to an in-depth treatment of the 20th century hermeneutical theories of Heidegger, Gadamer, and Ricoeur.

Prerequisite: Permission of instructor

Recommended Preparation: RLG310Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG426H1 Religion in the Public Sphere Service-Learning Internship [24S]**

For upper-year students, from any discipline. In a 40-hour community service placement, discover first-hand religion's significance in Toronto and examine how religion manifests in public spaces, institutions, and interactions, while critically reflecting on the experience of working with professionals and their "clients" in settings where religious diversity is at play.

Prerequisite: RPS coordinator's permission required for admission to course

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **RLG428H1 Religion and Economy [TBA]**

This course introduces students to classical and contemporary social scientific work on the relation between religion and economy. It draws on classics such as Marx, Weber, and Mauss, as well as recent anthropological work. Topics may include sacrifice, the gift, commodity fetishism, prosperity gospel, neoliberalism, charity, and development.

Prerequisite: Permission of instructor

Recommended Preparation: RLG212H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG430H1 Advanced Topics in Judaism [24S]**

Advanced Topics in Judaism

Prerequisite: Permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **RLG431H1 Advanced Topics in Judaism [24S]**

Advanced Topics in Judaism

Prerequisite: Permission of the instructor

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **RLG432Y1 Advanced Topics in Judaism [48S]**

Advanced Topics in Judaism

Prerequisite: Permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **RLG433H1 Maimonides and His Modern Interpreters [24S]**

An introduction to The Guide of the Perplexed by Moses Maimonides, and to some of the basic themes in Jewish philosophical theology and religion. Among topics to be considered through close textual study of the Guide: divine attributes; biblical interpretation; creation versus eternity; prophecy; providence, theodicy, and evil; wisdom and human perfection. Also to be examined are leading modern interpreters of Maimonides.

Prerequisite: Permission of instructor

Exclusion: POL421H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG434H1 Modern Jewish Thought [24S]**

Close study of major themes, texts, and thinkers in modern Jewish thought. Focus put on the historical development of modern Judaism, with special emphasis on the Jewish religious and philosophical responses to the challenges of modernity. Among modern Jewish thinkers to be considered: Spinoza, Cohen, Rosenzweig, Buber, Scholem, Strauss, and Fackenheim.

Prerequisite: Permission of Instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG435H1 The Thought of Leo Strauss [24S]**

The philosophic thought of Leo Strauss approached through his writings on modern Judaism. Primarily addressed will be the mutual relations between philosophy, theology, and politics. Among other topics to be dealt with: origins of modern Judaism, Zionism, liberal democracy, and biblical criticism; meaning of Jerusalem and Athens; cognitive value in the Hebrew Bible.

Prerequisite: Permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG437H1 Constructions of Authority in Early Christianity [24L/12T]**

This course examines changing patterns of authority and hierarchy in early Christian communities. Students will explore various roles and offices of authority in canonical and extra-canonical texts in relation to cultural, political, and theological constructions of body, gender, holiness, and orthodoxy as these contribute to developing models of authority. The goal of the course is to familiarize students with the constellation of ideas that participate in developing Christian notions of religious authority.

Prerequisite: Permission of instructor

Recommended Preparation: RLG203Y1/RLG203H5

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG440H1 Religion and Healing [24S]**

The relationship between religion and healing in the North American context through analysis of the religious roots of the biomedical model, as well as religious influences on alternative modes of healing.

Prerequisite: Permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG441H1 Words and Worship in Christian Cultures [24S]**

How are we to analyze the words that Christians use? And how are such words related to ritual forms? We explore techniques for the analysis of texts, while looking at forms of verbal discourse ranging from prayers, speaking in tongues, and citing the Bible to more informal narratives.

Prerequisite: ANT356H1/RLG212Y1 and permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **RLG442H1 North American Religions [24S]**

This course considers the varieties of religious practice in North America from anthropological and historical perspectives. Of particular interest are the ways religions have mutually influenced each other in the context of nineteenth and twentieth century North America.

Prerequisite: Permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

# Religion

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## **RLG443H1 Genealogies of Christianity [24S]**

How do disciplinary commitments shape theoretical and historical accounts of Christianity's relationship to "modernity"? Through comparative analysis (including topics of science, colonialism, capitalism, and gender) students will develop an historically-grounded critique of the key terms: genealogy, Christianity, and modernity. Based on reading and seminar discussion, the course encourages interdisciplinary exchange.

Prerequisite: 3.0 FCEs in Religion or cognate courses; permission of the instructor

Recommended Preparation: Religion, history, anthropology, literature courses; writing intensive courses

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **RLG446H1 Social Science Approaches to Early Christianity: Topical Investigations [24S]**

This seminar will explore the tensions and interdependencies of historical & social scientific modes of inquiry, as these pertain to longstanding questions concerning the rise of Christianity in the ancient Mediterranean world. All topical explorations will feature efforts to situate the phenomena in question within their operative socio-historical contexts.

Prerequisite: RLG210Y, RLG241Y; permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG448H1 Pseudepigraphy in Ancient Mediterranean Religion [24S]**

A seminar examining the phenomenon of falsely claimed and/or attributed authorship in religions of the ancient Mediterranean, mainly Christianity and Judaism. The course examines understandings of authorship and other cultural forms that facilitate or inhibit ancient pseudepigraphy, ancient controversies over authorship, as well as specific pseudepigraphical writings.

Prerequisite: Two half FCEs numbered RLG32\*; permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **RLG449H1 The Synoptic Problem [24S]**

Investigation of the history of solutions to the Synoptic Problem from the eighteenth century to the present paying special attention to the revival of the Griesbach hypothesis and recent advances in the Two-Document hypothesis.

Prerequisite: RLG241Y1 and at least one of RLG319H1 - RLG327H1; permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **RLG451H1 The Parables of Jesus [24S]**

Examination of the parables in the gospels and other early Christian writers, and major trends in the modern analyses of the parables. Special attention will be paid to the social and economic world presupposed by the parables.

Prerequisite: RLG241Y1 and at least one of RLG319H1 - RLG327H1; Permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **RLG452H1 The Death of Jesus [24S]**

Examination of the accounts of the passion and death of Jesus in their original historical and literary contexts.

Prerequisite: RLG241Y1 and at least one of RLG319H1 - RLG327H1;

Instructor's permission required for admission to course

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **RLG453H1 Christianity and Judaism in Colonial Context [24S]**

Sets the study of early Christianity and Second Temple Judaism into relation with postcolonial historiography. Topics include hybridity, armed resistance, the intersection of gender and colonization, diaspora, acculturation, and the production of subaltern forms of knowledge. Comparative material and theories of comparison are also treated.

Prerequisite: Permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **RLG454H1 Social History of the Jesus Movement [24S]**

The social setting of the early Jesus movement in Roman Palestine and the cities of the Eastern Empire. Topics will include: rank and legal status; patronalia and clientalia; marriage and divorce; forms of association outside the family; slavery and manumission; loyalty to the empire and forms of resistance.

Prerequisite: RLG241Y1 and at least one of RLG319H1 - RLG327H1; permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **RLG455H1 Heresy and Deviance in Early Christianity [24S]**

A study of the construction of deviance or heresy within the literature of first and second century Christianity: tasks include a survey of sociological theory in its application to deviance in the ancient world and close readings of selected texts from first and second century Christian and pre-Christian communities.

Prerequisite: RLG241Y1 and at least one of RLG319H1 - RLG327H1; Permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **RLG456H1 Readings in Quran and Tafsir [24S]**

This course is an introduction to the rich literature that has grown around the study of the Quran in the Arabic tradition. In addition to readings in the Quran students will read selections from works in ma`ani and majaz and major tafsir works. Selections include: al-Tabari, al-Tha`labi, al-Zamakhshari, al-Qurtubi and al-Razi. The course will culminate in a study of al-Itqan of al-Suyuti.

Prerequisite: At least two years of Arabic, or advanced reading knowledge, or permission of the instructor.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG457H1 The Quran and its Interpretation [24S]**

This course is designed to orient students to the field of contemporary Quranic studies through reading and discussion of the text itself and of significant European-language scholarship about the Quran as well as through examination of the principal bibliographical tools for this subject area.

Prerequisite: At least two years of Arabic or advanced reading knowledge; Permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **JPR458H1 Postsecular Political Thought: Religion, Radicalism and the Limits of Liberalism [24S]**

The course will examine debates on postsecularism and religion's public, political role as articulated by political thinkers such as Jurgen Habermas, by focusing on politically radical or revolutionary challenges to liberalism in the 20th and 21st century, especially from the postcolonial world, whose theoretical arguments are grounded upon or draw their inspiration from religious traditions, doctrines and practices.

Prerequisite: A 3rd year course in Political Science and/or Study of Religion

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG458H1 Advanced Topics in Islam [24S]**

Advanced study of specialized topics in Islam.

Prerequisite: Permission of the instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG459H1 Disciplining Islam [24S]**

Considers the disciplinary power of modernity through case-studies on the codification of Islamic law and practice. Contrasting modernity's discipline with Islam's own disciplinary power. Readings include works by Saba Mahmood, Charles Hirschkind, Jakob Skovgaard-Petersen, Brinkley Messick, Michel Foucault and Talal Asad.

Prerequisite: permission of instructor

Recommended Preparation: RLG204Y1/RLG204H1/NMC185H1/RLG250H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **RLG460H1 Ramayana in Literature, Theology, and Political Imagination [24S]**

This course explores how this conception is the result of a historical process by examining documentable transformations in the reception of the Ramayana. Our focus will be on the shift in the classification of the Ramayana from the inaugural work of Sanskrit literary culture (adi-kavya) in Sanskrit aesthetics to a work of tradition (smṛti) in theological commentaries, the differences between the Ramayanas ideal of divine kingship and medieval theistic approaches to Ramas identification with Visnu, the rise of Rama worship, and the use of Ramas divinity in contemporary political discourse.

Prerequisite: Permission of instructor

Recommended Preparation: RLG205Y1/RLG205H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **RLG461H1 Ismaili History and Thought: The Persian Tradition [24S]**

Critical reading, analysis and interpretation of Ismaili historical and doctrinal works of the Persianate tradition as developed by authors such as Nasir-i Khusraw, Nasir al-Din Tusi, Nizari Qahistani and others. The primary authors studied will change yearly.

Prerequisite: Permission of Instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG462H1 Newar Religion [24L/24T]**

An academic legend recounts that if you ask a Newar whether he is Hindu or Buddhist the answer is yes. The course deals with the problem of how to study religions which coexist and compete with each other creating shifting coordinates of religious identification from the perspective of one specific Nepalese community.

Prerequisite: Permission of Instructor

Recommended Preparation: RLG205Y1/

RLG206Y1/RLG205H5/RLG206H5

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG463H1 Topics in Buddhist Thought [24S]**

Close study of major themes, texts, and thinkers in Buddhist scholastic traditions. Themes and texts will vary by year; consult the departmental website for this year's course description.

Prerequisite: Permission of Instructor

Recommended Preparation: RLG206Y1/RLG206H5

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG464H1 History and Historiography of Buddhism [24S]**

This course examines histories of Buddhism authored inside and outside Asia, considering how various models of historiography affect our knowledge of Buddhism and Buddhist cultures. Readings will include translations of indigenous Buddhist histories, recent histories of Buddhism that have shaped the field of Buddhist Studies, and theoretical studies of historiography.

Prerequisite: Permission of Instructor

Recommended Preparation: RLG206Y1/RLG206H5

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **RLG465H1 Readings in Buddhist Texts [24S]**

An advanced study of select Buddhist texts with a focus on issues of translation, interpretation, commentarial approaches, narrative strategies, as well as issues related to the production, circulation, and consumption of these works. Themes and texts will vary by year; consult the departmental website for this year's course description.

Prerequisite: Reading knowledge of Sanskrit/Pali/Tibetan or Chinese; permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **RLG466H1 Buddhism and Society in East Asia [24S]**

Issues common to the establishment and development of the Buddhist tradition(s) in China, Korea, and Japan. The reactions to Buddhism by the societies in which it was being implanted. Transformation of Buddhist teachings, practice, iconography, institutions, etc. as they were assimilated by the host countries.

Prerequisite: Permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **RLG467H1 Buddhist Institutions [24S]**

This course looks at places like the monastery, the temple, the royal court, the archive, the school, the healer's practice, the artisan's workshop or the Buddhist home to identify how Buddhists through history have organized themselves and created institutionalized spaces for the production of knowledge and objects of beauty, the enhancement of agency and the performance of their religion.

Prerequisite: Permission of instructor

Distribution Requirement Status: Humanities

# Religion

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Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG468H1 Special Topics in Buddhism [24L]**

Advanced study of specialized topics in Buddhist Studies

Prerequisite: Permission of instructor

Recommended Preparation: RLG206Y1Y

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **RLG470H1 Buddhist Tantra [24L]**

A study of Tantric Buddhism, addressing ritual and scholastic practices, and problems of translation and interpretation. Themes will vary by year; consult the departmental website for this year's course description.

Prerequisite: Permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG471H1 Special Topics in Hinduism [24L]**

Advanced study in specialized topics on Hinduism.

Prerequisite: RLG205Y; Permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **RLG472H1 Religion and Aesthetics in South Asia [24S]**

Religion and aesthetics are sometimes constructed as separate categories, but in South Asia religion is not often conceptually distinct from an autonomous sphere of aesthetic reflection. In conversation with recent sociological, anthropological, and philosophical writings, we will explore this issue through careful study of a variety of Sanskrit sources: the epics, Abhinavaguptas commentary on the Natya Sastra, Vaisnava, Saiva, and Jaina appropriations of Sanskrit aesthetics and courtly poetry, and the works of Rabindranath Tagore. Students are encouraged to work with sources in the primary languages, although materials will also be provided in translation.

Prerequisite: RLG205Y; Permission of Instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **RLG473H1 Vedanta Through the Ages [24S]**

A survey of Vedantic thought beginning with the classical commentaries on the Brahmasutras (such as those of Sankara, Ramanuja etc.) and ending with neo-Vedanta in the writings of Dayananda Saraswati, Sri Aurobindo and Radhakrishnan.

Prerequisite: RLG205Y1; RLG205H5; Instructor's permission required for admission to course

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG475H1 Fasting and Feeding in Hindu Traditions [24S]**

An upper-level undergraduate and graduate course. Will look at a wide range of narratives and ritual practices as well as philosophical reflections from classical Indian thought on the relationship between food and religion and how this relationship plays out in the context of feasting and fasting in Indian/Hindu traditions.

Prerequisite: Instructor's permission required for admission to this course.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RLG476H1 Caste in Tamil Literature [24L]**

This course looks at original and translated works of both fiction and non-fiction, or those which blur the boundaries between both in Tamil literature both in the premodern and contemporary period, which deal with caste in Tamil society. By looking at a range of works from the Periyapuram to the contemporary radical Dalit perspective writings of Iyamam and E. M. S. Kalaivaanan, among others we aim at arriving at an understanding of why, despite social and economic mobility caste remains the indelible marker of the modern Tamil identity even today.

Prerequisite: None though knowledge of Modern Tamil and the ability to read it is strongly recommended

Corequisite: None

Exclusion: None

Recommended Preparation: None

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **RLG484H1 Religion and the Environment [24S]**

This course examines how religious concerns within various religious traditions interface with contemporary environmental issues. Particular attention is paid to the challenge posed to the human and religious values of these traditions by the present ecological crisis and some salient ethical and religious responses to this challenge.

Prerequisite: Instructor's permission required for admission to course

Distribution Requirement Status: Humanities

Breadth Requirement: Living Things and Their Environment (4)

## **Independent Research Courses**

Student-initiated intensive research courses supervised by faculty members of the Department. The student must obtain both a Supervisor's agreement and the Department's approval in order to register. The maximum number of Independent Research courses one may take is two full-course equivalents. Deadline for submitting applications to Department, including Supervisor's approval, is the first week of classes of the session. A full-course may be compressed into a single session or spread through two sessions; a half-course may similarly be done in either one session or across two sessions. These courses are open to majors and specialists only.

### **RLG299Y1 Research Opportunity Program**

Credit course for supervised participation in faculty research project.

Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

### **RLG398H0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

### **RLG399Y0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None



## **RLG400Y1 Independent Studies Abroad [TBA]**

Intensive programs of study including site visits and lectures in areas of religious significance abroad. Preparatory work expected, together with paper or assignments upon return.

(Y1 course: 4 weeks minimum; H course: 2 weeks minimum)

Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **RLG401H1 Independent Studies Abroad [TBA]**

Intensive programs of study including site visits and lectures in areas of religious significance abroad. Preparatory work expected, together with paper or assignments upon return.

(Y1 course: 4 weeks minimum; H course: 2 weeks minimum)

Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **RLG402H1 Independent Studies Abroad [TBA]**

Intensive programs of study including site visits and lectures in areas of religious significance abroad. Preparatory work expected, together with paper or assignments upon return.

(Y1 course: 4 weeks minimum; H course: 2 weeks minimum)

Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **RLG490Y1 Independent Research [48S]**

Student-initiated intensive research courses supervised by faculty members of the Department. The student must obtain both a Supervisor's agreement and the Department's approval in order to register. The maximum number of Independent Research courses one may take is two full-course equivalents. Deadline for submitting applications to Department, including Supervisor's approval, is the first week of classes of the session. A full-course may be compressed into a single session or spread through two sessions; a half-course may similarly be done in either one session or across two sessions. These courses are open to majors and specialists only. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **RLG491Y1 Independent Research [48S]**

Student-initiated intensive research courses supervised by faculty members of the Department. The student must obtain both a Supervisor's agreement and the Department's approval in order to register. The maximum number of Independent Research courses one may take is two full-course equivalents. Deadline for submitting applications to Department, including Supervisor's approval, is the first week of classes of the session. A full-course may be compressed into a single session or spread through two sessions; a half-course may similarly be done in either one session or across two sessions. These courses are open to majors and specialists only. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **RLG492H1 Independent Research [24S]**

Student-initiated intensive research courses supervised by faculty members of the Department. The student must obtain both a Supervisor's agreement and the Department's approval in order to register. The maximum number of Independent Research courses one may take is two full-course equivalents. Deadline for submitting applications to Department, including Supervisor's approval, is the first week of classes of the session. A full-course may be compressed into a single session or spread through two sessions; a half-course may similarly be done in either one session or across two sessions. These courses are open to majors and specialists only. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **RLG493H1 Independent Research [24S]**

Student-initiated intensive research courses supervised by faculty members of the Department. The student must obtain both a Supervisor's agreement and the Department's approval in order to register. The maximum number of Independent Research courses one may take is two full-course equivalents. Deadline for submitting applications to Department, including Supervisor's approval, is the first week of classes of the session. A full-course may be compressed into a single session or spread through two sessions; a half-course may similarly be done in either one session or across two sessions. These courses are open to majors and specialists only. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **RLG494H1 Independent Research [24S]**

Student-initiated intensive research courses supervised by faculty members of the Department. The student must obtain both a Supervisor's agreement and the Department's approval in order to register. The maximum number of Independent Research courses one may take is two full-course equivalents. Deadline for submitting applications to Department, including Supervisor's approval, is the first week of classes of the session. A full-course may be compressed into a single session or spread through two sessions; a half-course may similarly be done in either one session or across two sessions. These courses are open to majors and specialists only. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## Faculty

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### Professor and Director, Rotman Commerce

D. Goldreich, BS, MS, MSIA, PhD

### Professors

T. Amburgey, BS, MA, PhD  
J.H. Amernic, BSc, MBA, FCPA, FCA  
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B. Han PhD  
R. Kan, MBA PhD  
C. Kobrak, PhD  
B. Reuber, BA, MSc, PhD  
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M. Rotundo, BA, MIR, PhD  
W. Smieliauskas, MS, PhD

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S. Hawkins, BA, MS, PhD  
M. Hu, BS, MS, MS, PhD  
S. Liao, PhD  
M. Shi, BSc, MBA, PhD  
C. Tsai, BBA, MBA, PhD  
K. Wang, MA, PhD  
P. Zhang, BSc, MA, MAcc, PhD  
M. Zhao, BA, MA, PhD

### Assistant Professors

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A. Malekian, BSc, MSc, PhD  
C. Ornthanalai  
G. Romero, BS, IE, PhD  
A. Tilcsik, AB, AM PhD  
R. Webb, PhD  
B. Xin, PhD

### Associate Professors, Teaching Stream

J. Kitunen, BBM, FCPA, FCA  
M. Khan, BCom, MBA, CPA, CA  
D.L. Losell, MBA, CPA, CA  
A. Mackay, BSc, MA, PhD  
J. Oesch, BSc, BEed, MEd, MBA, MSc, PhD  
M. Schneider, BCom, MBA, JD, CFP, CPA, CA  
M. Stapleton, B Sc, M Sc, MBA, CFA  
D. Stojanovic, B.Comm, MEd, CPA, CA  
E. Zuliani, BCom, CPA, CA

### Assistant Professors, Teaching Stream

L. Harvey, BBA, CPA, CA, MAcc  
F. Tolias, BCom, MBA

### Lecturers

A. Armstrong, PhD  
M. Callen  
W. Huggins, BCom, MBA, MPhil

## Rotman Commerce

Rotman Commerce at the University of Toronto offers an innovative curriculum combining studies in management, economics, and the liberal arts for an enriched professional undergraduate experience. The program explores the role of commerce in modern society while developing skill and confidence in analysis, effective communications and decision making.

The Bachelor of Commerce degree builds on a common foundation of business and liberal arts courses. Rotman Commerce students go on to specialize in one of three programs: Accounting (either Public Accounting or Financial Reporting and Control), Finance and Economics, or Management. Each program combines courses in management and applied economics with a variety of advanced courses in the liberal arts and sciences. The balance assures graduates of a solid understanding of business and modern society along with a command of critical skills in decision-making and organizational leadership.

Rotman Commerce graduates frequently become economists, accountants, actuaries, financial analysts, marketing analysts, managers of firms and government, or proprietors of small businesses. Some commerce students elect to undertake post-graduate studies in the form of further university education: law schools and MBA programs have been particularly favoured destinations of recent graduates.

Faculty from the Rotman School of Management who teach in Rotman Commerce are listed above.

General Enquiries: Rotman Commerce Academic Program Services;  
Rotman Commerce, 125 St. George Street; email:  
[rotmancommerce.info@utoronto.ca](mailto:rotmancommerce.info@utoronto.ca); telephone: 416.978.3339;  
[www.rotmancommerce.utoronto.ca](http://www.rotmancommerce.utoronto.ca)

Registration and Timetable Instructions for the Faculty of Arts & Science may be found at: <http://www.artsci.utoronto.ca/current/course>.

## Bachelor of Commerce (BCom) Degree Requirements

This is a four-year Honours program.

To qualify for a Bachelor of Commerce degree, a student must:

- Complete twenty full-course equivalents, including no more than six 100-series courses;
- Complete one of the Specialist programs –Accounting, Finance and Economics, or Management, (see below);
- Complete the Arts and Science Breadth Requirements\*
- Obtain standing (i.e., complete with a grade of 50% or more or CR) in at least six 300- or 400-series courses, including at least one 400-series course. No more than one 300+ series transfer credit may be counted towards these six. (Students participating in an approved exchange program may count ALL 300+ transfer credits from the exchange towards the required six.)
- Achieve a cumulative GPA of 1.85 or more by the time of graduation.

\*Note: September 2016 and onward students will follow the Arts and Science Breadth Requirements and are no longer required to have 1.0 FCE from category 1 (BR1). There is no Breadth Requirement status for

RSM100Y1/RSM100H1/MGT100H1, MGT201H1 and MAT133Y1. ECO220Y1 (and courses deemed equivalent) cannot be used to satisfy the Breadth Requirement.

## Graduation

There are two graduation periods each year: June (degree requirements completed by the end of the Fall/Winter session) and November (degree requirements completed by the end of the Summer session). Students must request graduation using the Student Web Service or in the College Registrar's Office as they are not automatically assessed for graduation. Graduation requests must be submitted by the deadlines specified in the Sessional Dates section of the Calendar. Prospective graduands should check Degree Explorer at the end of March/late September to see if their programs have been confirmed as completed by the relevant department(s) or program office(s). They should also check Degree Explorer at the end of May/late October for confirmation of their eligibility for graduation by the Office of the Faculty Registrar.

Prospective graduands should receive an email from the Office of Convocation providing details of the convocation ceremony in late March/mid-October. An e-mail will be sent from the Office of the Faculty Registrar in late October/late May to students who have a request for graduation confirming their eligibility.

## Rotman Commerce Notes

Enrolment in Rotman Commerce programs is limited. Most students are admitted to first-year with a Rotman Commerce Admission Guarantee (see below for terms and conditions). Formal program enrolment takes place after first year, provided that the conditions of the "guarantee" have been met. A number of spaces are also available in second-year for other Arts & Science students who were not admitted with the guarantee (see section on "Other Students" below for details).

### First Year Rotman Commerce Students Admitted with the Rotman Commerce Guarantee:

Students admitted with the Rotman Commerce Admission Guarantee will be invited to enroll in the program after first-year, provided that the following requirements have been met:

- Complete RSM100H/RSM100Y Introduction to Management with a final mark of at least 67%
- Complete ECO100Y Introduction to Economics with a final mark of at least 67%
- Complete MAT133Y Calculus and Linear Algebra for Commerce with a final mark of at least 63%, or
  - MAT135H1 with a final mark of at least 60% AND MAT136H1 with a final mark of at least 60%, or
  - MAT137Y1 with a final mark of at least 55%, or
  - MAT157Y1 with a final mark of at least 55%.
- Accumulate a minimum of 4.0 credits

These requirements must be met within one calendar year of the student's enrolment in Arts & Science. For students beginning their studies in September, the requirements must be satisfied no later than the end of the following Summer Session.

Students may repeat any of the required courses once, in order to attain the requisite mark. The repeated course(s) must be completed within the calendar year (as per the terms of the "guarantee"); as such, the repeated course(s) must be taken during either the Winter or Summer Session of first-year (i.e. a student may not extend the terms of her/his

guarantee in order to attain the minimum marks).

Failure to meet any of these requirements, or failure to complete all the required courses within the calendar year (assuming full-time studies), will result in losing the admission guarantee. Note that none of the required courses may be completed using the CR/NCR option.

### Part-Time Students:

Students holding the Rotman Commerce Guarantee, who have applied for and been admitted to Part-Time study, will be assessed for entry into Rotman Commerce programs at the point when they have completed 4.0 credits including the required courses (see above for Rotman Commerce Guarantee). To qualify under the Part-Time provision, students must have been enrolled in a part-time course load from the beginning of each session. They may repeat each of the required courses only once in order to attain the minimum marks.

### Other Students:

A limited number of spaces in Rotman Commerce are available to Arts & Science students who were not admitted to first-year with the Admission Guarantee. The number of spaces available is determined annually.

An application must be submitted in late-April/May of each year and admission decisions are made and communicated in late-June. All admission requirements must be completed by May 1 in order to be eligible for admission. Students who have not completed the necessary requirements (see below for specifics) by May 1 must apply for admission the following year.

### Admission Requirements:

- Complete MGT100H1/RSM100H/RSM100Y and ECO100Y1, each with a final mark of at least 67%
- Complete MAT133Y with a final mark of at least 63%, or
  - MAT135H1 with a final mark of at least 60% AND MAT136H1 with a final mark of at least 60%, or
  - MAT137Y1 with a final mark of at least 55%, or
  - MAT157Y1 with a final mark of at least 55%.
- Attain an average of at least 73% across the 3 qualifying courses (RSM100H1/MGT100H1/RSM100Y1, ECO100Y1 and MAT133Y1 (or equivalent)). Note: in the case of repeated attempts, the highest mark attained will be considered when calculating this average
- Accumulate a minimum of 4.0 credits
- Submit the Rotman Commerce Supplemental Application

Admission will be based on marks and the Rotman Commerce Supplemental Application. If an Arts and Science student is admitted to Rotman Commerce then MGT100H1 will be considered equivalent to RSM100H1.

Note: Meeting the minimum academic requirements does not guarantee admission to the program.

For information regarding admission to the program, contact Rotman Commerce at 416.946.0844 or rc.admissions@utoronto.ca

## Additional Notes:

- Tuition Fees: Students enrolling in Rotman Commerce programs pay fees that are higher than other Arts & Science programs.
- Mathematics Note: MAT133Y1 satisfies the minimum Program requirements. Students who are likely to enroll in 200+ series MAT or CSC courses are advised to take MAT137Y1 instead, noting that MAT137Y1 is a theoretically-oriented course for mathematically-based disciplines such as Mathematics, Computer Science, and Actuarial Science.
- Maximum Term Load: Rotman Commerce students are limited to a maximum of 6.0 credits in any Fall/Winter session of their program and a maximum of 2.0 credits in their Summer session.

## Rotman Commerce Programs

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Students may enrol in only one Rotman Commerce Specialist.

### Accounting Specialist (BCom)

(14.0-15.5 full courses or their equivalent out of 20 courses, for a BCom)

**Students enrolled in the Accounting Specialist must choose one of the two streams below; either Public Accounting or Financial Reporting and Control. All students must complete items 1-7 below and then items 8 onwards for the specific stream selected. Students may not enrol in both streams.**

First Year:

1. ECO100Y1, RSM100H1/MGT100H1/RSM100Y1
2. MAT133Y1/(MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1
3. Students who began in September 2016 and after are strongly encouraged to take RSM219H1, RSM230H1 and RSM250H1 in their first year of study
4. Students are encouraged to take one course towards the Breadth Requirement in First Year

Second and Higher Years:

5. ECO204Y1/ECO206Y1; ECO220Y1/ECO227Y1/(STA220H1, STA255H1)/(STA257H1, STA261H1)
6. RSM219H1, RSM220H1, RSM221H1, RSM222H1
7. RSM323H1, RSM324H1, RSM332H1, RSM333H1

### Accounting Specialist: Public Accounting (BCom)

Second and Higher Years for students who began studies in September 2016 and onwards:

8. RSM225H1, RSM230H1, RSM250H1
9. RSM320H1, RSM321H1, RSM322H1
10. Any 1.0 300+ ECO
11. RSM422H1, RSM423H1, RSM424H1, RSM426H1, RSM427H1

Second and higher years for students who began studies prior to September 2016:

8. RSM225H1
9. 0.5 from RSM230H1, RSM250H1, RSM260H1, RSM270H1, RSM392H1
10. RSM320H1, RSM321H1, RSM322H1
11. Any 1.0 300+ ECO
12. RSM422H1, RSM423H1, RSM424H1, RSM426H1, RSM427H1

Note: Students must take a minimum of 10.0 RSM and 10.0 non-RSM courses. MGT100H1 will be considered equivalent to RSM100H1 and count as 0.5 RSM courses towards the program requirement for Arts and Science transfer students. ECO209Y1 and ECO374H1 are strongly recommended. Students may enrol in only one Rotman Commerce Specialist.

### Accounting Specialist: Financial Reporting and Control (BCom)

Second and Higher Years for students who began studies in September 2016 and onwards:

8. 0.5 from: RSM260H1, RSM270H1, RSM392H1
9. RSM230H1, RSM250H1
10. Any 1.0 300+ ECO
11. Complete 1.0 in Applied Accounting\*\*: RSM328H1, RSM425H1, RSM428H1
12. Complete 1.5 in Advanced Accounting\*\*: RSM320H1, RSM321H1, RSM322H1, RSM327H1, RSM422H1, RSM423H1, RSM424H1, RSM427H1
13. RSM429H1

\*\* at least 0.5 FCE of the courses chosen in #11 and #12 above must be at the 400-series level

(7.0 FCEs)

Second and higher years for students who began studies prior to September 2016:

8. 1.0 from: RSM250H1, RSM260H1, RSM270H1, RSM392H1
  9. Any 1.0 300+ ECO
  10. Complete 1.0 in Applied Accounting\*\*: RSM328H1, RSM425H1, RSM428H1
  11. Complete 1.5 in Advanced Accounting\*\*: RSM320H1, RSM321H1, RSM322H1, RSM327H1, RSM422H1, RSM423H1, RSM424H1, RSM427H1
  12. RSM429H1
- \*\* at least 0.5 FCE of the courses chosen in #10 and #11 above must be at the 400-series level

Note: Students must take a minimum of 10.0 RSM and 10.0 non-RSM courses. MGT100H1 will be considered equivalent to RSM100H1 and count as 0.5 RSM courses towards the program requirement for Arts and Science transfer students. Students may enrol in only one Rotman Commerce Specialist.

## Finance and Economics Specialist (BCom)

(14.0-14.5 full courses or their equivalent out of 20 courses, for a BCom)

First Year:

1. ECO100Y1, RSM100H1/MGT100H1/RSM100Y1
2. MAT133Y1/(MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1
3. Students who began in September 2016 and after are strongly encouraged to take RSM219H1, RSM230H1 and RSM250H1 in their first year of study
4. Students are encouraged to take one course towards the Breadth Requirement in First Year

Higher Years for students who began studies in September 2016 and onwards:

5. ECO204Y1/ECO206Y1; ECO208Y1/ECO209Y1; ECO220Y1/ECO227Y1/(STA220H1, STA255H1)/(STA257H1, STA261H1)
6. RSM219H1, RSM222H1, RSM230H1, RSM250H1
7. Complete 0.5 from: RSM260H1, RSM270H1, RSM392H1
8. RSM330H1, RSM332H1, RSM333H1
9. Any 2.5 300+ ECO
10. 1.0 from: RSM430H1, RSM432H1, RSM433H1, RSM434H1, RSM435H1, RSM437H1
11. 0.5 from: RSM295Y0/RSM395Y0, RSM437H1 (note: RSM437H1 may be counted towards requirement 10 OR 11 –not both), RSM462H1, RSM480H1, RSM490H1, RSM491H1

Higher years for students who began their studies prior to September 2016:

5. ECO204Y1/ECO206Y1; ECO208Y1/ECO209Y1; ECO220Y1/ECO227Y1/(STA220H1, STA255H1)/(STA257H1, STA261H1)
6. RSM219H1, RSM222H1, RSM230H1
7. 0.5 from: RSM250H1, RSM260H1, RSM270H1, RSM392H1
8. RSM330H1, RSM332H1, RSM333H1
9. Any 2.5 300+ ECO
10. 1.0 from: RSM430H1, RSM432H1, RSM433H1, RSM434H1, RSM435H1, RSM437H1
11. 0.5 from: RSM295Y0/RSM395Y0, RSM437H1 (note: RSM437H1 may be counted towards requirement 10 OR 11 –not both), RSM462H1, RSM480H1, RSM490H1, RSM491H1

Note: Students must take a minimum of 10.0 RSM and 10.0 non-RSM courses. MGT100H1 will be considered equivalent to RSM100H1 and count as 0.5 RSM courses towards the program requirement for Arts and Science transfer students. Students may enrol in only one Rotman Commerce Specialist.

## Management Specialist (BCom)

(12.0-12.5 full courses or their equivalent out of 20 courses, for a BCom)

First Year:

1. ECO100Y1, RSM100H1/MGT100H1/RSM100Y1
2. MAT133Y1/(MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1
3. Students who began in September 2016 and after are strongly encouraged to take RSM219H1, RSM230H1 and RSM250H1 in their first year of study
4. Students are encouraged to take one course towards the Breadth Requirement (above) in First Year

Higher Years for students who began studies in September 2016 and onwards:

5. ECO204Y1/ECO206Y1; ECO220Y1/ECO227Y1/(STA220H1, STA255H1)/(STA257H1, STA261H1)
6. RSM219H1, RSM222H1, RSM230H1, RSM250H1, RSM260H1, RSM270H1
7. RSM332H1, RSM333H1, RSM392H1
8. Any 1.0 300+ ECO
9. 1.0 from: ECO324Y1\*/ECO324H1, ECO357H1, ECO364H1, ECO365H1, ECO419H1, ECO435H1, ECO451H1, ECO457Y1\*, ECO459H1, RSM295Y0/RSM395Y0\*, RSM437H1, RSM462H1, RSM480H1, RSM490H1, RSM491H1 (excluding any courses that have already been used to satisfy requirement 8, as outlined above) \*NOTE: Y courses may count only as 0.50 FCEs towards this requirement.
10. Any 1.0 400-level RSM, in addition to any courses taken in requirement 9 above.

Higher years for students who began their studies prior to September 2016:

5. ECO204Y1/ECO206Y1; ECO220Y1/ECO227Y1/(STA220H1, STA255H1)/(STA257H1, STA261H1)
6. RSM219H1, RSM222H1, RSM250H1, RSM260H1, RSM270H1
7. RSM332H1, RSM333H1, RSM392H1
8. Any 1.0 300+ ECO
9. 1.0 from: ECO324Y1\*/ECO324H1, ECO357H1, ECO364H1, ECO365H1, ECO419H1, ECO435H1, ECO451H1, ECO457Y1\*, ECO459H1, RSM295Y0/RSM395Y0\*, RSM437H1, RSM462H1, RSM480H1, RSM490H1, RSM491H1 (excluding any courses that have already been used to satisfy requirement 8, as outlined above)

above) \*NOTE: Y courses may count only as 0.50 FCEs towards this requirement.

6. Any 1.0 400-level RSM, in addition to any courses taken in requirement 9 above.

Note: Students must take a minimum of 10.0 RSM and 10.0 non-RSM courses. MGT100H1 will be considered equivalent to RSM100H1 and count as 0.5 RSM courses towards the program requirement for Arts and Science transfer students. Students may enrol in only one Rotman Commerce Specialist.

## Rotman Commerce Courses

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### **RSM100Y1 Introduction to Management [48L/24T]**

Offered for the last time in Summer 2016. Introduction to management and its various subdisciplines-accounting, finance, marketing, organizational behaviour, operations management, and strategy. Enrolment priority is given to students entering the University with an expressed interest in studying Commerce. Other Arts & Science students will be allowed to enrol, space permitting. Non-Arts & Science students are ineligible to enrol in this course. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Corequisite: ECO100Y1, MAT133Y1  
Distribution Requirement: None  
Breadth Requirement: None

### **RSM100H1 Introduction to Management (Formerly RSM100Y1) [24L]**

Introduction to management and its subdisciplines. Themes include business in a Canadian context, the nature of corporations, corporate governance, organizational behavior, operations, and strategy. Enrolment limited to students entering the University with an expressed interest in studying at Rotman Commerce.

Exclusion: MGT100H1, RSM100Y1  
Distribution Requirement Status: None  
Breadth Requirement: None

### **MGT100H1 Fundamentals of Management (Formerly RSM100Y1) [24L]**

Introduction to management and its subdisciplines. Themes include business in a Canadian context, the nature of corporations, corporate governance, organizational behavior, operations, and strategy.

Exclusion: RSM100H1, RSM100Y1  
Distribution Requirement Status: None  
Breadth Requirement: None

### **MGT201H1 Introduction to Financial Accounting [24L]**

Introduction to financial reporting and analysis that is used by companies to organize and evaluate data in light of their organization's goal. Emphasis is on decision-making and interpretation of financial statements and how they can be used to plan a firm's overall business activities through the use of real-world companies. Not open to Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Exclusion: MGT120H1, RSM219H1  
Distribution Requirement Status: None  
Breadth Requirement: None

### **RSM219H1 Introduction to Financial Accounting [24L/24T]**

Basic introduction to financial reporting and analysis. Emphasis is on decision-making and interpretation of financial statements and how they can be used to plan a firm's overall business activities through the use of real-world companies. Coverage includes the use of accounting information to prepare a basic set of financial statements. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Corequisite: RSM100H1/MGT100H1/RSM100Y1  
Exclusion: RSM220H1 (if taken prior to 20119)  
Distribution Requirement Status: Social Science  
Breadth Requirement: None

### **RSM220H1 Intermediate Financial Accounting I [24L/24T]**

Foundations of financial reporting and analysis in Canada. Financial accounting topics are covered at an intermediate level, including both conceptual and technical aspects. Not eligible for CR/NCR option.

Contact Rotman Commerce for details.

Prerequisite: RSM219H1  
Distribution Requirement Status: Social Science  
Breadth Requirement: None

### **RSM221H1 Intermediate Financial Accounting II [24L/12T]**

Covers topics such as income statement and balance sheet topics with an emphasis on quality of earnings. Not eligible for CR/NCR option.

Contact Rotman Commerce for details.

Prerequisite: RSM220H1  
Distribution Requirement Status: Social Science  
Breadth Requirement: None

### **RSM222H1 Management Accounting I [24L/24T]**

Covers the conceptual and analytical foundations of management accounting and the applications of cost accounting information. Costing and control concepts are analyzed to equip students with tools for establishing costing systems, making business decisions, and evaluating management performance. Materials are designed to help students understand strategic cost management principles. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: Rotman Commerce: RSM219H1; Employment Relations or Human Resource Management: MGT201H1  
Distribution Requirement Status: Social Science  
Breadth Requirement: None

### **RSM225H1 Legal Environment of Business I [24L]**

Introduces students to the Canadian legal system as it relates to business entities. The course focuses on general legal concepts, including sources of law and the court structure; business entity law (including corporate law), commercial law (contract) as well as the law of torts. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM100H1/MGT100H1/RSM100Y1  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

### **RSM230H1 Financial Markets [24L]**

Introduction to Canadian and international financial markets. It provides an overview of the major financial institutions, their roles and some problems they face, the major types of financial securities and the mechanisms under which they are traded. It is a helpful preparation for students thinking of taking the Canadian Securities Course. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Corequisite: RSM100H1/MGT100H1/RSM100Y1  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **RSM250H1 Principles of Marketing [24L]**

Students receive an introduction to the basic concepts, theories, and methods of contemporary marketing. The course offers a comprehensive framework to develop successful marketing efforts and allows students to create a marketing plan. Specific topics examined: market research, consumer behaviour, segmentation, product policy, pricing, distribution, communications, sales, and direct marketing. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Corequisite: RSM100H1/MGT100H1/RSM100Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RSM251H1 Marketing Management (formerly RSM350H1) [24L]**

This course employs the case method of instruction to develop the skills required of marketing managers. Students will learn to diagnose marketing problems and develop, present, and defend their recommendations. They will also gain experience analyzing marketing situations, identifying market opportunities, developing marketing strategies, and designing the marketing mix. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM250H1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RSM260H1 Organizational Behaviour [24L]**

Theoretical ideas and practical applications concerning the behaviour of individuals and groups in organizations. We explore relevant topics for management: motivation, personality, perception, decision-making, groups, and negotiation. A fee of \$7.50 will be charged to your student account for a simulation handbook. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM100H1/MGT100H1/RSM100Y1

Exclusion: IRE260H1, PSY332H1, WDW260H1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RSM270H1 Operations Management (formerly RSM370H1) [24L]**

Introduction to the management of business processes that convert inputs (labor, material, equipment) into outputs (goods and services) for internal and external markets. Topics include aggregate planning, inventory processes, supply chain management and service operations management. Presents modern quantitative and computing tools necessary for in-depth operational design and analysis. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM100H1/MGT100H1/RSM100Y1

Exclusion: RSM370H1

Distribution Requirement Status: Social Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **RSM295Y0 Special Topics [24L]**

The areas of concentration depend on the instructor teaching the course.

(Offered only during the summer session through the Summer Abroad Program). Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **RSM310H1 Special Topics in Management [TBA]**

Topics and Issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **RSM311H1 Special Topics in Management [TBA]**

Topics and Issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **RSM312H1 Special Topics in Management [TBA]**

Topics and Issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **RSM313H1 Special Topics in Management [TBA]**

Topics and Issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **RSM314H1 Special Topics in Management [TBA]**

Topics and Issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **RSM315H1 Special Topics in Management [TBA]**

Topics and Issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **RSM316H1 Special Topics in Management [TBA]**

Topics and Issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **RSM317H1 Special Topics in Management [TBA]**

Topics and Issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **RSM318H1 Special Topics in Management [TBA]**

Topics and Issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **RSM319H1 Special Topics in Management [TBA]**

Topics and Issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **RSM320H1 Intermediate Financial Accounting III [24L]**

Covers broader areas in financial reporting, drawing upon regulatory documents and corporate communications. Topics include corporate reporting quality, employee future benefits, employee compensation disclosure and analysis, income tax accounting, narrative reporting. Emphasis on the context of financial reporting including an organization's 'tone at the top' and the adoption of international standards. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM221H1

Distribution Requirement Status: Social Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **RSM321H1 Advanced Financial Accounting Topics [24L/12T]**

This course covers accounting issues and practices relating to long-term investments, consolidations, foreign transactions and foreign investments. International accounting issues are also introduced. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM320H1

Distribution Requirement Status: Social Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **RSM322H1 Managerial Accounting and Decision Making [24L]**

The course focuses on making managerial decisions based on cost information. The relationship between strategy and costing systems is explored as are the economic characteristics which form the context for business decisions. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM222H1

Distribution Requirement Status: Social Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **RSM323H1 Auditing I [24L/12T]**

This course introduces students to the concepts and theory underlying audit practice. Practical examples are used to help students develop skills in exercising professional judgment. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM221H1

Distribution Requirement Status: Social Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **RSM324H1 Canadian Income Taxation I [24L/12T]**

This course emphasises the fundamentals of the Canadian tax system. Included are topics, such as, residence of corporations and individuals, effective tax rates for corporations and individuals, business income, integration, capital gains and losses, to name a few. A key objective of this course is to assist students in learning to read, interpret and apply provisions of the Income Tax Act to practical problems and cases. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM220H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **RSM325H1 Legal Environment of Business II [24L]**

This course canvasses several areas of law that impact a business entity. Topics dealt with include agency law, employment law, the Personal Property Security Act and the rights of the secured creditor, bankruptcy law, relevant consumer protection legislation, intellectual property and other specific legal topics. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM225H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **RSM327H1 Business Information Systems [24L/12T]**

This course helps students use, develop, and manage computer-based systems. The first half covers the basic features of hardware, software, communications, and databases. The second half examines how users, businesses, the economy, and society are affected by the development of this technology. No previous background in computing is assumed. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Exclusion: CSC340H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **RSM328H1 Financial Distress and Insolvency [24L]**

This course explores the reasons for financial distress and introduces options for managers, creditors, lenders, and directors of firms in financial distress. The use of financial ratios to predict solvency problems is covered as well as strategies both for restructuring companies having financial difficulties and for negotiation with creditors. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM219H1, RSM222H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **RSM330H1 Investments [24L]**

This course provides an introduction to financial theories and analytical tools for making investment decisions and for understanding how prices are determined for stocks and bonds. The course covers a broad range of topics including asset allocation, technical analysis, fundamental analysis, anomalies, and bond portfolio management. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM230H1, RSM332H1\* (\*Note that RSM332H1 is a prerequisite for students September 2016 and onwards)



Corequisite: ECO220Y1/ECO227Y1/(STA220H1, STA255H1)/(STA257H1, STA261H1)  
 Exclusion: ACT349H1  
 Distribution Requirement Status: Social Science  
 Breadth Requirement: Society and its Institutions (3)

### **RSM332H1 Capital Market Theory [24L]**

An introduction to capital market theory explaining how financial securities are priced. Topics covered include the time and risk value of money, the use of discounted cash flow techniques, efficient set theory, asset pricing and market efficiency. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Corequisite: ECO204Y1/ECO206Y1, ECO220Y1/ECO227Y1/(STA220H1, STA255H1)/(STA257H1, STA261H1)

Exclusion: ACT349H1, ECO358H1  
 Distribution Requirement Status: Social Science  
 Breadth Requirement: Society and its Institutions (3)

### **RSM333H1 Introduction to Corporate Finance [24L]**

Application and development of the ideas in RSM332H1 to corporate finance problems such as determining the weighted average cost of capital, project evaluation, corporate financing decisions, working capital management and initial public offerings. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM219H1, RSM332H1

Exclusion: ACT349H1, ECO359H1  
 Distribution Requirement Status: Social Science  
 Breadth Requirement: Society and its Institutions (3)

### **RSM340H1 The Opposable Mind: Approaches to Integrative Thinking (formerly RSM310H1 The Opposable Mind -- Approaches to Integrative Thinking) [24L]**

Beginning with an exploration of integrative thinking and the tools associated with it, this course asks students to apply integrative thinking to complex problems that span traditional disciplines. Throughout the course, students will learn practical tools aimed at helping integrate between models, build new models and create new value. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM100H1/MGT100H1/RSM100Y1 Completion of 10.0 full-course equivalents.

Exclusion: RSM310H1 The Opposable Mind -- Approaches to Integrative Thinking  
 Distribution Requirement Status: Social Science  
 Breadth Requirement: Thought, Belief and Behaviour (2)

### **RSM341H1 Foundations of Integrative Thinking [24L]**

This course aims to introduce logically disciplined approaches to decision making under uncertainty. Managers are continually barraged with information that may be unreliable. They must choose courses of action in the face of many uncertainties. How can we define and assess the "optimality" of their decisions in a consistent manner? By building upon the answers to these questions, the course will consider the problem of rational choice when the outcome is determined by the actions of, and interactions between, multiple individuals. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: Completion of 10.0 full course equivalents.  
 ECO204Y1/206Y1;  
 ECO220Y1/227Y1/(STA220H1, STA255H1)/(STA257H1, STA261H1)

Breadth Requirement: Thought, Belief and Behaviour (2)

### **RSM352H1 Marketing Research (formerly RSM452H1) [24L]**

Marketing research is studied from the perspective of the marketing manager. The course focuses on the initiation, design, and interpretation of research as an aid to marketing decision making. Case studies and projects are used to provide students with some practical research experiences. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: ECO220Y1/ECO227Y1/(STA220H1, STA255H1)/(STA257H1, STA261H1)

Corequisite: RSM251H1  
 Distribution Requirement Status: Social Science  
 Breadth Requirement: Society and its Institutions (3)

### **RSM353H1 Consumer Behaviour (formerly RSM451H1) [24L]**

Formulating successful marketing strategies requires an understanding of consumers' cultures, motivations, cognitions, and emotions. Students will learn how to use theoretical perspectives from psychology, economics, anthropology, and other disciplines to generate predictions about consumers, interpret consumer reactions to marketing stimuli, and develop rigorous skills in marketing analysis. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Corequisite: RSM251H1

Distribution Requirement Status: Social Science  
 Breadth Requirement: Thought, Belief and Behaviour (2)

### **RSM361H1 Human Resource Management (formerly RSM460H1) [24L]**

Human resource management is studied from the perspective of the manager/practitioner. The course focuses on decisions about when and whom to hire, how much to pay, what training to offer, and how to evaluate employees. Class exercises and projects are used to provide students with some practical experience with these topics. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: Rotman Commerce: RSM260H1; OR Employment Relations and Human Resource Management: IRE260H1

Exclusion: RSM460H1  
 Distribution Requirement Status: Social Science  
 Breadth Requirement: Society and its Institutions (3)

### **RSM370H1 Supply Chain Management (formerly RSM311H1 Supply Chain Management) [24L]**

Globalization increasingly intertwines the Canadian and world economies. Understanding how firms can successfully link with worldwide suppliers and markets is central to growth. Supply chain management issues covered include: advanced inventory and production models; supply contracts; the bullwhip effect; vendor-managed inventories; distribution strategies; third-party logistics; product variety; current information technology. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: Completion of 10.0 full-course equivalents

Corequisite: RSM270H1  
 Exclusion: RSM311H1 Supply Chain Management  
 Distribution Requirement Status: Social Science  
 Breadth Requirement: Society and its Institutions (3)

### **RSM392H1 Strategic Management [24L]**

Introduces core ideas, concepts and models in the area of Strategic Management. Addresses the following questions: Why does firm performance vary across industries, and across firms within a given industry? What types of competitive strategies can managers pursue? When are different types of strategies more or less likely to be successful? Enrolment is restricted to 3rd or 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM219H1, RSM222H1  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **RSM393H1 Strategic Case Analysis [24L]**

This course provides students with the opportunity to hone the critical skills of effective presentation, decisiveness and business acumen with a focus on learning-by-doing. Students will analyze and recommend solutions to business problems and develop abilities to present and defend recommendations in an impactful and effective manner. Not eligible for CR/NCR option. Contact Rotman Commerce for details.  
Prerequisite: RSM392H1. Completion of 10.0 full-course equivalents.  
Exclusion: RSM312H1 Case Analysis for Strategic Management  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **RSM395Y0 Special Topics**

The areas of concentration depend on the instructor teaching the course. (Offered only during the summer through the Woodsworth Summer Abroad Program). Not eligible for CR/NCR option. Contact Rotman Commerce for details.  
Distribution Requirement Status: Social Science  
Breadth Requirement: None

## **RSM401H1 Independent Study Course [TBA]**

Open when a faculty member is willing and able to supervise. Students must obtain the approval of the Director of Rotman Commerce and the supervising faculty member before enrolling. Enrolment is restricted to 4th year Rotman Commerce students. Consult the Rotman Commerce Office for details. Not eligible for CR/NCR option. Contact Rotman Commerce for details.  
Prerequisite: Cumulative GPA of at least 2.70  
Distribution Requirement Status: Social Science  
Breadth Requirement: None

## **RSM402H1 Independent Study Course [TBA]**

Open when a faculty member is willing and able to supervise. Students must obtain the approval of the Director of Rotman Commerce and the supervising faculty member before enrolling. Enrolment is restricted to 4th year Rotman Commerce students. Consult the Rotman Commerce Office for details. Not eligible for CR/NCR option. Contact Rotman Commerce for details.  
Prerequisite: Cumulative GPA of at least 2.70  
Distribution Requirement Status: Social Science  
Breadth Requirement: None

## **RSM403Y1 Independent Study Course [TBA]**

Open when a faculty member is willing and able to supervise. Students must obtain the approval of the Director of Rotman Commerce and the supervising faculty member before enrolling. Enrolment is restricted to 4th year Rotman Commerce students. Consult the Rotman Commerce Office for details. Not eligible for CR/NCR option. Contact Rotman Commerce for details.  
Prerequisite: Cumulative GPA of at least 2.70  
Distribution Requirement Status: Social Science  
Breadth Requirement: None

## **RSM404Y1 Independent Study Course [TBA]**

Open when a faculty member is willing and able to supervise. Students must obtain the approval of the Director of Rotman Commerce and the supervising faculty member before enrolling. Enrolment is restricted to 4th year Rotman Commerce students. Consult the Rotman Commerce Office for details. Not eligible for CR/NCR option. Contact Rotman Commerce for details.  
Prerequisite: Cumulative GPA of at least 2.70  
Distribution Requirement Status: Social Science  
Breadth Requirement: None

## **RSM410H1 Special Topics in Management [TBA]**

Topics and issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.  
Distribution Requirement Status: Social Science  
Breadth Requirement: None

## **RSM411H1 Special Topics in Management [TBA]**

Topics and issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.  
Distribution Requirement Status: Social Science  
Breadth Requirement: None

## **RSM412H1 Special Topics in Management [TBA]**

Topics and issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.  
Distribution Requirement Status: Social Science  
Breadth Requirement: None

## **RSM413H1 Special Topics in Management [TBA]**

Topics and issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.  
Distribution Requirement Status: Social Science  
Breadth Requirement: None

## **RSM414H1 Special Topics in Management [TBA]**

Topics and issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.  
Distribution Requirement Status: Social Science  
Breadth Requirement: None

## **RSM415H1 Special Topics in Management [TBA]**

Topics and issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **RSM416H1 Special Topics in Management [TBA]**

Topics and issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **RSM417H1 Special Topics in Management [TBA]**

Topics and issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **RSM418H1 Special Topics in Management [TBA]**

Topics and issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **RSM419H1 Special Topics in Management [TBA]**

Topics and issues in Management. Content in any given year will depend on the instructor. Consult the Rotman Commerce Portal for course description and prerequisites. Enrolment is restricted to 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **RSM422H1 Management Control [24L/12T]**

This course considers the processes and systems, many accounting-based, by which key managers allegedly ensure that resources are acquired and used effectively and efficiently in the accomplishment of an organization's goals. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM322H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **RSM423H1 Auditing II [24L]**

The course focuses on the reasoning and evidence theory underlying audit decision making. Coverage includes professional judgment, statistical auditing, audit of accounting estimates, framework for assurance engagements, and responsibilities to detect fraud. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM323H1

Distribution Requirement Status: Social Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **RSM424H1 Canadian Income Taxation II [24L/12T]**

This course is designed to give the student an understanding of more complex issues of Canadian income tax law and tax planning. Included are topics, such as, computation of taxes, corporate reorganizations, business acquisitions and divestitures, partnerships, joint ventures and trusts, to name a few. The two course sequence (RSM324H1 and RSM424H1) has been designed to provide coverage of the tax content required by the professional accounting bodies. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM324H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **RSM425H1 Financial Reporting and Control: Theory and Contemporary Topics [24L]**

This course guides students to learn financial reporting theory and critically evaluate the research findings in accounting. It covers a broad range of topics such as information and measurement perspectives of accounting, agency theory and its implications and the role of network in management control. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM222H1, RSM332H1

Corequisite: RSM333H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **RSM426H1 Critical Thinking, Analysis and Decision Making [24L/12T]**

This is a capstone case course stressing the pervasive competencies and critical thinking skills required from Rotman Commerce graduates, professional accountants and advisors. The course integrates the technical and practical knowledge obtained in previous courses by applying this knowledge to case type situations. Aimed at students seeking an accounting designation. Enrolment is restricted to 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM322H1, RSM323H1, RSM324H1

Corequisite: RSM321H1

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **RSM427H1 Auditing and Information Systems [24L/12T]**

This course investigates strategies and procedures used to audit computerized accounting systems based upon their special control characteristics. Special attention is devoted to computerized statistical procedures. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM323H1

Distribution Requirement Status: Social Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **RSM428H1 Analysis of Banking Financial Institutions and Instruments [24L]**

We analyze the financial statements of banks to learn about the risk and return of bank financial assets and financial liabilities. Topics covered include interest rate risk, credit risk, market risk, fair value accounting, securitizations, derivatives and hedging of the banking firm as reflected through bank financial statements. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM219H1, RSM222H1, RSM333H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **RSM429H1 Financial Statement Analysis and Valuation [24L]**

This course is of interest to those pursuing a career where one needs to analyze financial statements "intelligently". This obviously includes those interested in finance related professions such as Investment Banking, Research and Investment Management. Students interested in consulting and marketing will also find this course useful because of its approach that focuses on business analysis with tie-ins to corporate strategy. This is a capstone course for students completing the Financial Reporting and Control stream in the Accounting Specialist. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM219H1, RSM222H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **RSM430H1 Fixed Income Securities [24L]**

Describes important fixed income securities and markets. The course emphasizes traditional bond and term structure concepts crucial to understand the securities traded in these markets. Students are required to work in the Rotman Financial Research & Trading Lab to solve the assigned problems using real time data. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: Rotman Commerce: RSM332H1; Actuarial Science: ACT349H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **RSM432H1 Risk Management for Financial Managers [24L]**

This course examines the ways in which risks are quantified and managed by financial institutions. The principal risks considered include market risk, credit risk and operational risk. The course also covers the evolution of bank regulation and the regulatory limits on risk taking. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM333H1

Distribution Requirement Status: Social Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **RSM433H1 Advanced Corporate Finance [24L]**

Applying fundamental finance ideas developed in RSM332H1 and RSM333H1 to real-life problems. The course will focus on business valuation and financial decisions in practical situations, on the assumption that students are already familiar with basic concepts from previous finance courses. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: Rotman Commerce: RSM333H1; Actuarial Science: ACT349H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **RSM434H1 Financial Trading Strategies (formerly RSM412H1 Financial Trading Strategies) [24L]**

This course will use finance theory applied with Excel applications to understand potential returns and risks inherent in particular investment/trading strategies. Learning-by-doing will be facilitated by simulation-based *Rotman Interactive Trader* cases focused on particular risks. This training will be analogous to using a flight simulator for learning to fly. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM332H1

Exclusion: RSM412H1 Financial Trading Strategies

Distribution Requirement Status: Social Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **RSM435H1 Futures and Options Markets [24L]**

This course covers the analysis of derivative instruments such as forwards, futures, swaps and options. By the end of the course, students will have good knowledge of how these contracts work, how they are used and how they are priced. A fee of \$35 will be charged to your student account for software purchase. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: ECO204Y1/ECO206Y1, RSM332H1

Exclusion: ACT370H1

Distribution Requirement Status: Social Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **RSM437H1 International Finance [24L]**

International financial markets, exchange rates, forward markets, interest rate parity. International dimensions of investment, including both portfolio and foreign direct investment. International dimensions of corporate finance, including valuation and the cost of capital of foreign investments. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: Rotman Commerce: RSM333H1; Actuarial Science: ACT349H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **RSM438H1 Investing for Impact [24L]**

This course is designed to be an introduction to the field of impact investing - investments that seek to generate financial and social environmental returns. In this course, we will examine different models of impact investing in both emerging and developed markets, the life-cycle of impact investments, new financial instruments and more.

Prerequisite: RSM222H1, RSM333H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **RSM450H1 Marketing and Behavioural Economics (formerly RSM418H1 Integrative Thinking: Psychology and Markets) [24L]**

What motivates consumers, investors, employees, and managers? In this highly interdisciplinary course, we will examine topics such as the role of emotions in decision-making, "irrational" patterns of how people think about products, money, or investments, and how expectations shape perceptions. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: Completion of 10.0 full-course equivalents.

Exclusion: RSM418H1 Integrative Thinking: Psychology and Markets

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **RSM454H1 Sales and Distribution Strategy [24L]**

Once you have a great product or service to sell, you need the right channel partners and strategies to bring your offering to the end-user. This course discusses what and how many intermediaries to partner with, partner roles and responsibilities, and how to stimulate high performance from channel partners.

Prerequisite: RSM250H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**RSM455H1 Pricing (formerly RSM351H) [24L]**

Approaches pricing decision as an intersection of economics and psychology. Using product categories as diverse as financial services, healthcare, industrial products and consumer packaged goods, students study dynamic pricing, value pricing, price customization, price bundling and multi-part tariffs, menu costs and price stickiness, sales promotions, and pricing in two-sided markets. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM250H1

Exclusion: RSM351H

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**RSM456H1 Big Data and Marketing Analytics (formerly RSM411H1) [24L]**

The course is designed to introduce students to tools used in marketing analytics. Companies have been collecting vast databases to aid them in making sound marketing decisions. Examples include retail scanner panel data which keeps track of customers' purchase histories, loyalty-program data monitoring purchasing under different promotional environments, social network and online shopping history data. The course uses several marketing data sources to illustrate how to use statistical marketing models to evaluate the impacts of marketing-mix, and manage customer lifetime value.

Prerequisite: ECO220Y1/ECO227Y1/(STA220H1,STA255H1)/(STA257H1,STA261H1)

Exclusion: RSM411H1

Distribution Requirement Status: Social Science

Breadth Requirement: The Physical and Mathematical Universes (5)

**RSM457H1 Strategic Marketing Communication (formerly RSM414H1) [24L]**

This course covers how marketers communicate with customers - knowledge that is useful to students both as a manager and a consumer. The course will introduce the foundation knowledge of marketing communications as well as new trends in non-traditional media including sponsorships, social media, and digital marketing.

Prerequisite: RSM251H1

Exclusion: RSM414H1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**RSM458H1 Branding Strategy [24L]**

Students will assume the role of senior marketing managers responsible for the design, implementation, and evaluation of branding strategies. Brands represent valuable assets that must be created, sustained, leveraged, and defended. This course will use case analysis and a group project to reinforce successful decision making and communication skills. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM251H1/(RSM392H1, RSM250H1)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**RSM459H1 Business Design (formerly RSM412H1) [24L]**

What are the principles and practices that drive innovation in organizations? Create breakthrough solutions and businesses? This course teaches students how to identify customer needs, prototype new solutions and design business strategies to create competitive advantage. Students will apply the learning in real time and on real world challenges.

Prerequisite: RSM250H1

Exclusion: RSM412H1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**RSM461H1 Managerial Negotiations [24L]**

Students learn to recognize, understand, analyze, and practice essential concepts in negotiations required for understanding more complex relations within and between organizations. The main objective is to learn how to analyze the critical factors of a negotiation situation and then to be able to prescribe a course of action. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. A fee of \$50 will be charged to your student account for role play materials. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM260H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**RSM462H1 Managing People in the Context of Globalization (formerly RSM410H1 Managing Human Resources in Context of Globalization) [24L]**

This course introduces students to the impact of globalization on managing people. Understanding how organizational behaviour and human resource management processes work in the international context is essential for business success. This course helps students to develop a better understanding of how effective people management can create a competitive advantage in the international context. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM260H1

Exclusion: RSM410H1 Managing Human Resources in Context of Globalization

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**RSM463H1 The Socially Intelligent Manager (formerly RSM412H1 The Socially Intelligent Manager) [24L]**

One of the most critical skills in leadership is the ability to manage social relationships. The purpose of this course is to introduce you to the science of social intelligence so that you are knowledgeable and confident about how to handle interpersonal issues when you enter the business world. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM260H1

Exclusion: RSM412H1 The Socially Intelligent Manager

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**RSM464H1 Organization Theory and Its Applications (formerly RSM360H1) [24L]**

Organization theory is an evidence-based approach that allows managers to analyze and design organizations more effectively. Focusing on organizations as social systems, the course emphasizes practical implications in topics that are essential to business success, including strategy implementation, organizational structure and culture, change management, globalization, and the organizational sources of enduring competitive advantage. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM260H1

Exclusion: RSM360H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **RSM465H1 Managing People Through Incentives (formerly RSM410H1 Incentives and Motivation) [24L]**

This course is designed to introduce you to the fundamental principles of incentives and motivation, which are essential tools for managers. The course takes an interdisciplinary approach and you will be exposed to theories on these topics from a variety of different disciplines –behavioral decision-making, economics, organizational behavior, and psychology. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details. Prerequisite: RSM260H1

Exclusion: RSM410H1 Incentives and Motivation  
Distribution Requirement Status: Social Science  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **RSM466H1 Environmental and Social Responsibility [24L]**

This course examines how corporations engage in the social economy through corporate social responsibility work and how corporations are increasingly "going green." It will cover current thinking and practice on corporate social responsibility and emphasize sustainability in business practices while allowing students to give voice to their own values. Prerequisite: Must have completed at least 9.0 FCEs.

Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **RSM470H1 Management Science Modeling with Spreadsheets [24L]**

The course presents quantitative methods of modeling business and other systems in order to objectively evaluate available alternatives and select the 'best' one with respect to pre-defined criteria. Topics include: Decision Analysis, Linear Programming, Integer Programming, Network Methods, Simulation and Waiting Line Models. Enrolment is restricted to 3rd and 4th year Rotman Commerce students. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: ECO220Y1/ECO227Y1/(STA220H1,STA255H1)/(STA257H1,STA261H1)  
Distribution Requirement Status: Social Science  
Breadth Requirement: The Physical and Mathematical Universes (5)

## **RSM480H1 Business in a Global Economy [24L]**

Application of the analytic framework of international trade, foreign investment and exchange rate economics to management of business. Special topics include the industrial effects of trade liberalization, the role of the World Trade Organization, foreign exchange risk management, competition policy and international taxation. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM333H1  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **RSM481H1 Outsourcing and the Organization of Firms [24L]**

Explores the issue of outsourcing, broadly defined: which activities should a firm do "in house" and which should it take outside? Using a combination of cases and economic analysis, it develops a framework for determining the "best" organizational structure. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: ECO204Y1/ECO206Y1,  
ECO220Y1/ECO227Y1/(STA220H1, STA255H1)/(STA257H1, STA261H1)  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **RSM482H1 Game Theory for Business Strategy [24L]**

Applies game-theoretic reasoning to analyze business strategy problems, focusing specifically on pricing, advertising, product positioning, product introduction, and relationships with upstream and downstream firms. Not eligible for CR/NCR option. Contact Rotman Commerce for details. Prerequisite: ECO204Y1/ECO206Y1  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **RSM483H1 Real Estate Markets [24L]**

This course uses economic methods to analyze real estate markets. Topics covered include the determinants of real estate values, the location decisions of households and firms, land use, urban growth and agglomeration, behavioural real estate economics and real options. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: ECO204Y1/ECO206Y1,  
ECO220Y1/ECO227Y1/(STA220H1, STA255H1)/(STA257H1, STA261H1), RSM332H1  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **RSM484H1 Real Estate Finance and Investment (formerly RSM380H1) [24L]**

Real estate assets account for about one-third of the value of all capital assets in the world. This course provides an understanding of real estate investment, valuation and liabilities along with the public policy associated with home ownership, using modern finance and economic tools. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: ECO204Y1/ECO206Y1,  
ECO220Y1/ECO227Y1/(STA220H1,STA255H1)/(STA257H1,STA261H1), RSM332H1  
Corequisite: RSM333H1  
Exclusion: RSM380H1  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **RSM490H1 International Strategy [24L]**

Focuses on developing an understanding of the fundamentals of doing business in an international environment. Based on the application of management theory (trade theory, modes of entry, foreign direct investment, theory of the multinational) to the strategic management problems of organizing business in the international arena. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM392H1  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **RSM491H1 Global Capital Market Strategy [24L]**

This course exposes students to the intersection of global political economy and investment strategies, with particular emphasis on current global economic trends. The last 15 years have seen a dramatic expansion in the geographic scope for private equity investments, and in the risk involved in such investments. RSM491H1 will teach students to think through the issues facing executives, investors and policy makers considering investments. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM332H1  
Exclusion: RSM413H1 Globalization and Capital Markets: Political Economy and Investment Strategy  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

**RSM492H1 Cooperative Strategy (formerly RSM419H1 Cooperative Strategy) [24L]**

Cooperation to create economic value is a central feature of markets: from sophisticated coordination in strategic alliances to simple acts of agreement between buyers and sellers. This course goes beyond Porter's Five Forces to develop a rigorous understanding of the connections between value creation, competition and firm performance. Not eligible for CR/NCR option.

Prerequisite: RSM392H1

Exclusion: RSM419H1 Cooperative Strategy

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**RSM493H1 Entrepreneurship [24L]**

Introduces essentials of starting a new business: how to evaluate new opportunities, craft strategy, obtain resources, manage growth, and distribute ownership. Applies concepts from strategic management to challenges facing new/small businesses. Examines the role of entrepreneurs in spurring technological innovation and economic growth, and the effect of government policy on entrepreneurial activity. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM392H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**RSM494H1 Technology Strategy [24L]**

Teaches about technological evolution and how evolutionary stages impact firms' strategic choices. Important issues in technological evolution are technological discontinuities, standards wars, dominant designs and patenting. Important strategic decisions concern innovation management, product versus process focus and intellectual property strategies. Project oriented coursework based on patent and business data bases. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM392H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**RSM495H1 Management Consulting (formerly RSM416H1 Management Consulting) [24L]**

This course examines the management consultant's role and how the consulting industry serves to enhance effectiveness of client organizations. Future management advisors will learn skills necessary to support successful consulting business models and how to professionally engage clients to assist in generating competitive advantage through design/implementation of innovative approaches. Not eligible for CR/NCR option. Contact Rotman Commerce for details.

Prerequisite: RSM392H1.

Exclusion: RSM416H1 Management Consulting

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## Faculty

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### Professor Emerita

A. Dooley, MA, Ph D

### Senior Lecturer Emerita

M. Nic Dhiarmada, BA, H Dip Ed

### Professors

M. G. McGowan, MA, Ph D

D. Pietropaolo, MA, Ph D, Commend. Rep. It.

G. Silano, LLB, MA, Ph D

D.A. Wilson, MA, Ph D

### Associate Professors

A. Andrée, MA, Ph D, LMS

R. Locklin, MTS, Ph D

### Assistant Professor

B. Miles, MA, Ph D

### Senior Lecturers

S. Hoselton, MA, M Ed (USMC)

M. O'Connor, Ph B, STB, STL, D Phil (USMC)

J. Sunkenberg, BA, MA, Ph D (USMC)

## Introduction

### SMC One: Cornerstone

The SMC One: Cornerstone program is designed for first year students with an interest in the theory and practice of social justice. We combine community outreach placements with small seminar discussions and class lectures to explore the interdisciplinary frameworks of social justice and injustice, leading toward understanding of society and our place within it.

Students accepted into the program choose a stream within SMC curriculum through which to focus on Cornerstone's interdisciplinary and progressive approach to social justice. Small stream seminar discussions, weekly lectures on theory, philosophy and cultural expressions of identity and society in historical and contemporary contexts are combined with service placements in local Toronto agencies. Through critical and creative reflection, students acquire the academic skills and support to cultivate social responsibility in their lives and academic studies.

### Streams:

#### Cornerstones in Communication and Media: Mediums of Justice and Culture

Social justice issues relating to books, print culture, broadcasting and new media, including censorship, journalistic responsibility, cyber bullying, editorial and journalistic integrity, freedom of accessibility to information, libel, social networks, and "the right to know." Students will reflect on the relationships between culture, art and media in the expression and exploration of identity and society.

#### Cornerstones in Christianity and Culture: Poverty and Politics

Social justice issues in Christianity and Culture. Students in this stream will have the opportunity to reflect on diverse conceptions of poverty, identity and community in Christian traditions, past and present. They will

also explore questions of political engagement in relation to efforts by Christian persons and institutions to confront or transform social structures for the common good.

#### Cornerstones in Mediaeval Studies: Constructing the Self and Community

Social justice issues in the historical, philosophical, literary and religious frameworks of societal thought in mediaeval and premodern cultures. Students in this stream will explore the relationship between selfhood and community with particular attention given to secular and religious ideas of peace, justice and the good life. Reflection on comparative issues in contemporary thought and culture.

#### Cornerstones in Celtic Studies

Social justice issues in Celtic Studies, focusing on such topics as minority language rights, colonialism and resistance, expressions of cultural identity, media coverage of conflict and Celtic experiences in North America. Students reflect on the relationship between identity and society in the context of ethno-religious conflicts and state responses to revolutionary movements.

St. Michael's College offers a number of programs which emerge from its academic strength in various scholarly fields and reflect its centuries-old Christian intellectual traditions. Please consult the relevant websites for more complete information on each program.

#### Book and Media Studies:

An interdisciplinary and historical investigation of the role of printing, books and reading in cultures past and present. Topics explored include: manuscript and book production, internet publishing, book illustrations, censorship, advertising, readership and electronic media.

#### Celtic Studies:

Examines the literature, languages, history, music, folklore and archaeology of the peoples of Ireland, Scotland and Wales. Investigates Celtic identities in the ancient and modern worlds, and explores the transmission of Irish, Scottish and Welsh traditions to Canada and the United States.

#### Christianity and Culture:

A multidisciplinary exploration of Christian traditions from artistic, literary, philosophical, theological, scientific, social and historical perspectives.

#### Mediaeval Studies:

An interdisciplinary treatment of the history, art, literature and thought of the Middle Ages.

St. Michael's also offers a number of courses, listed below, which form part of the above programs, or of the programs of other colleges and departments, or are a reflection of staff and student academic interests not always available in departmental course offerings.

Principal & Program Director: TBA, 81 St. Mary Street, Room 127, Odette Hall (416-926-7102)

## St. Michael's College Programs

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Enrolment in the Specialist, Major and Minor programs of St. Michael's College is open to students who have completed four courses--with the



exception of the Concurrent Education: Religious Education program and the Book and Media Studies program.

## Book and Media Studies Major (Arts program)

This is a limited enrolment program. Students must complete at least 4 FCE at the 100+ level and may be admitted if they have completed SMC188Y1 or any 100+ level course and attained a grade of at least 67% in that course.

Consult Professor Mark G. McGowan, St. Michael's College

(6 full courses or their equivalent, including at least 2 FCEs at the 300+ level, 0.5 FCE of which must be at the 400-level)

1. SMC219Y1
2. SMC228H1; SMC229H1
3. 1.5 FCE SMC courses as designated by the program:  
SMC210H1/SMC212H1/SMC217H1/SMC255H1/SMC291H1/SMC300H1/SMC301H1/SMC305H1/SMC314H1/SMC315H1/SMC316H1/SMC317H1/SMC318H1/SMC319H1/SMC358H1/SMC361H1/SMC364H1/SMC374H1/SMC386H1/SMC387H1/SMC388Y1/SMC392H1/SMC397H1/SMC398H1
4. 1.5 FCE from:  
Second Year Offerings:  
ANT253H1/ARC232H1/CDN221H1/ENG232H1/ENG234H1/ENG235H1/ENG287H1/FCS291H1/HIS241H1/HPS201H1/HPS202H1/SLA203H1/SLA254H1/SMC210H1/SMC212H1/SMC217H1/SMC355H1/SMC291H1/VIS206H1/WGS271Y1  
Third and Fourth Year Offerings:  
ABS300Y1/ABS302H1/CIN389H1/ENG322Y1/FAH319H1/FRE308H1/FRE310H1/FRE324H1/GER310H1/HIS302H1/HIS316H1/HIS374H1/INI301H1/INI305H1/JAL328H1/MUS300H1/SMC300H1/SMC301H1/SMC305H1/SMC314H1/SMC315H1/SMC316H1/SMC317H1/SMC318H1/SMC319H1/SMC358H1/SMC361H1/SMC364H1/SMC374H1/SMC386H1/SMC387H1/SMC388Y1/SMC392H1/SMC397H1/SMC398H1/SMC463H1/INI413H1/VIC345H1/EAS467H1/FAH424H1/HIS477H1/PSY427H1
5. 0.5 FCE from:  
SMC406H1/SMC425H1/SMC430H1/SMC431H1/SMC435H1/SMC457H1/SMC462H1/SMC463H1/SMC464H1/SMC465H1/SMC466H1/SMC467H1/SMC470H1
6. SMC385H1

## Book and Media Studies Minor (Arts Program)

This is a limited enrolment program. Students must complete at least 4 FCE at the 100+ level and may be admitted if they have completed SMC188Y1 or any 100+ level course and attained a grade of at least 67% in that course.

Consult Professor Mark G. McGowan, St. Michael's College

(4 full courses or their equivalent, including at least one 300+ series course)

First year:

1. SMC219Y1
2. SMC228H1; SMC229H1
3. Two courses or their equivalent from the following:  
Second Year Offerings:  
ANT253H1/ARC232H1/CDN221H1/ENG232H1/ENG234H1/ENG235H1/ENG287H1/FCS291H1/HIS241H1/HPS201H1/HPS202H1/SLA203

H1/SLA254H1/SMC210H1/SMC212H1/SMC217H1/SMC255H1/SMC291H1/VIS206H1/WGS271Y1

Third and Fourth Year Offerings:

ABS300Y1/ABS302H1/CIN389H1/ENG322Y1/FAH319H1/FRE308H1/FRE310H1/FRE324H1/GER310H1/HIS302H1/HIS316H1/HIS374H1/INI301H1/INI305H1/JAL328H1/MUS300H1/SMC300H1/SMC301H1/SMC305H1/SMC314H1/SMC315H1/SMC316H1/SMC317H1/SMC318H1/SMC319H1/SMC358H1/SMC361H1/SMC364H1/SMC374H1/SMC386H1/SMC387H1/SMC388Y1/SMC392H1/SMC397H1/SMC398H1/INI413H1/VIC345H1/EAS467H1/FAH424H1/HIS477H1/PSY427H1

## Celtic Studies Specialist (Arts program)

Consult the Program Coordinator, St. Michael's College.

(10.5 full courses or their equivalent, including at least four 300+ series courses, 1.0 of which must be at the 400-level)

1. SMC240Y1/SMC240H1 and SMC241H1
2. Two FCEs from one of the following language groups: a) Gaelic (Irish and Scottish):  
SMC141Y1/SMC242Y1/SMC251H1/SMC252H1/SMC441Y1  
b) Brethonic (Welsh): SMC243Y1/SMC440Y1
3. Six FCEs from the list above and/or  
SMC188Y1/SMC226H1/SMC250Y1/SMC333H1/SMC334H1/SMC335Y1/SMC337H1/SMC338H1/  
SMC342Y1/SMC343H1/SMC344Y1/SMC346H1/SMC347H1/SMC348H1/SMC350H1/SMC351H1/SMC355H1/SMC356H1/SMC373H1/SMC374H1/SMC375H1/SMC376H1/SMC377H1/SMC378H1/SMC395Y1/SMC396H1/SMC411H1/SMC412H1/SMC413H1/SMC416H1/SMC444H1/SMC457H1
4. SMC451Y1
5. SMC385H1/SMC444H1; if not, 0.5 FCE in Breadth Requirement Category 5: The Physical and Mathematical Universes.

## Celtic Studies Major (Arts Program)

Consult the Program Coordinator, St. Michael's College.

(6.5 full courses or their equivalent, including at least two 300+ series courses, 0.5 of which must be at the 400-level)

1. SMC240Y1/SMC240H1 and SMC241H1
2. One FCE from the following language courses:  
SMC141Y1/SMC242Y1/SMC243Y1/SMC251H1/SMC252H1/SMC440Y1/SMC441Y1
3. Four FCE from the list above and/or  
SMC188Y1/SMC226H1/SMC250Y1/SMC333H1/SMC334H1/SMC335Y1/SMC337H1/SMC338H1/SMC342Y1/SMC343H1/SMC344Y1/SMC346H1/SMC347H1/SMC348H1/SMC350H1/SMC351H1/SMC355H1/SMC356H1/SMC373H1/SMC374H1/SMC375H1/SMC376H1/SMC377H1/SMC378H1/SMC395Y1/SMC396H1/SMC411H1/SMC412H1/SMC413H1/SMC416H1/SMC444H1/SMC457H1
4. SMC385H1/SMC444H1; if not, 0.5 FCE in Breadth Requirement Category 5: The Physical and Mathematical Universes.

## Celtic Studies Minor (Arts program)

Consult the Program Coordinator, St. Michael's College.

4 full courses or equivalent chosen from those listed for the Specialist program, including at least one 300+ series course

## Christianity And Culture Specialist (Arts program)

**Admission to the Christianity and Culture Specialist has been administratively suspended as of 1 April 2015 and is no longer admitting students. Students presently enrolled in the minor will be able to complete the program requirements as described below.**

Consult Program Coordinator, St. Michael's College

The courses of the Christianity and Culture Program include (1) all the SMC prefixed courses listed below under the Christianity and Culture heading, and (2) the following courses of other programs and departments:

HPS326H1/ITA311H1/NMC270H1/NMC289H1/RLG228H1/SMC176Y1/SMC213H1/SMC326H1/SMC464H1. In addition to Christianity and Culture courses, a number of other courses are cross-listed and may be counted towards the major and specialist programs as specified below. This list is available from the Program Co-ordinator, or on the St. Michael's College web site: <http://stmikes.utoronto.ca/christianity/courses>

11 full courses or their equivalent; at least four 300+series courses, including at least one full course at the 400 level; a total of up to 2.5 full courses may be selected from the approved list of cross-listed courses.

1. SMC103Y1/SMC188Y1
2. SMC203Y1
3. 1.0 FCE from SMC200H1/SMC201H1/SMC205H1/SMC208Y1/SMC215H1/SMC232H1/SMC233H1
4. 0.5 FCE from SMC233H1/SMC385H1
5. Three of the following four options; see the list of courses in each group below:
  - (a) Two FCEs from "Christianity and Society"
  - (b) Two FCEs from "Christianity and the Intellectual Tradition"
  - (c) Two FCEs from "Christianity, Arts and Letters"
  - (d) Two FCEs from "Christianity and Science"
6. 1.5 FCEs from Christianity and Culture or the list of approved cross-listed courses.

(a) Christianity and Society:

SMC204H1/SMC205H1/SMC207H1/SMC215H1/SMC308H1/SMC309H1/SMC312H1/SMC313H1/SMC362Y1/SMC366H1/SMC456H1/SMC459H1/NMC270H1; relevant Independent Studies or Special Topic courses SMC390Y1/SMC391H1/SMC400Y1/SMC401H1/SMC433Y1/SMC434H1/SMC457H1; or relevant cross-listed courses.

(b) Christianity and the Intellectual Tradition:

SMC176Y1/SMC208Y1/SMC213H1/SMC307H1/SMC311H1/SMC322H1/SMC327H1/SMC330H1/SMC417H1/SMC418H1/NMC289H1; relevant Independent Studies or Special Topic courses SMC390Y1/SMC391H1/SMC400Y1/SMC401H1/SMC433Y1/SMC434H1/SMC457H1; or relevant cross-listed courses.

(c) Christianity, Arts and Letters:

SMC200H1/SMC201H1/SMC217H1/SMC305H1/SMC326H1/SMC364H1/SMC424H1/SMC455H1/SMC464H1/ITA311H1; relevant Independent Studies or Special Topic courses SMC390Y1/SMC391H1/SMC400Y1/SMC401H1/SMC433Y1/SMC434H1/SMC457H1; or relevant cross-listed courses.

(d) Christianity and Science:

SMC232H1/SMC233H1/SMC371H1/HPS326H1/RLG228H1; relevant Independent Studies or Special Topic courses SMC390Y1/SMC391H1/SMC400Y1/SMC401H1/SMC433Y1/SMC434H1/SMC457H1; or relevant cross-listed courses.

## Christianity And Culture Major (Arts program)

Consult Program Coordinator, St. Michael's College

The courses of the Christianity and Culture Program include (1) all the SMC prefixed courses listed below under the Christianity and Culture heading, and (2) the following courses of other programs and departments:

HPS326H1/ITA311H1/NMC270H1/NMC289H1/RLG228H1/SMC176Y1/SMC213H1/SMC326H1/SMC464H1.

In addition to Christianity and Culture courses, a number of other courses are cross-listed and may be counted towards the major and specialist programs as specified below. This list is available from the Program Co-ordinator, or on the St. Michael's College web site:

<http://stmikes.utoronto.ca/christianity/courses>

6 full courses or their equivalent including at least 2.0 FCEs at the 300+ level, 0.5 of which must be at the 400 level

1. SMC103Y1/SMC188Y1/SMC203Y1
2. 2.0 FCEs from SMC200H1/SMC201H1/SMC203Y1/SMC205H1/SMC208Y1/SMC215H1/SMC232H1/SMC233H1
3. 2.5 FCE among additional Christianity and Culture courses, of which up to 1.5 FCE may be selected from the list of approved cross-listed courses.
4. 0.5 FCE from SMC233H1/SMC385H1

## Christianity And Culture Minor (Arts program)

Consult Program Coordinator, St. Michael's College.

The courses of the Christianity and Culture Program include (1) all the SMC prefixed courses listed below under the Christianity and Culture heading, and (2) the following courses of other programs and departments:

HPS326H1/ITA311H1/NMC270H1/NMC289H1/RLG228H1/SMC176Y1/SMC213H1/SMC326H1/SMC464H1.

In addition to Christianity and Culture courses, a number of other courses are cross-listed and may be counted towards the major and specialist programs as specified below. This list is available from the Program Co-ordinator, or on the St. Michael's College web site:

<http://stmikes.utoronto.ca/christianity/courses>

(4 full courses or their equivalent: at least one 300+ series course)

1. SMC103Y1/SMC188Y1/SMC203Y1
2. 1.0 FCE from SMC200H1/SMC201H1/SMC205H1/SMC208Y1/SMC215H1/SMC232H1/SMC233H1
3. Two additional Christianity and Culture courses, including up to 0.5 from the approved list of cross-listed courses

## Minor Program in Christianity and Education (Arts Program)

This program offers students the opportunity to consider the theory, practice and history of Christian pedagogy.

Consult Professor Joe Goering, St. Michael's College

(4 full courses or their equivalent: at least one 300+ series course)

1. SMC103Y1/SMC188Y1
2. SMC312H1
3. SMC313H1
4. Two additional courses from Christianity and Culture:  
SMC200H1/SMC201H1/SMC203Y1/SMC204H1/SMC205H1/SMC207H1/SMC208Y1/SMC215H1/SMC217H1/SMC232H1/SMC233H1/SMC305H1/SMC307H1/SMC308H1/SMC309H1/SMC311H1/SMC322H1/SMC327H1/SMC330H1/SMC362Y1/SMC364H1/SMC366H1/SMC371H1/SMC417H1/SMC418H1/SMC424H1/SMC455H1/SMC456H1/SMC457H1/SMC459H1

## Christianity and Culture: Major Program in Religious Education (Arts Program)

**Admission to the Christianity and Culture: Major Program in Religious Education has been administratively suspended as of 1 April 2015 and is no longer admitting students. Students presently enrolled in the minor will be able to complete the program requirements as described below.**

IMPORTANT NOTE: Status may be reviewed at the end of each fall-winter session to determine progress to subsequent years.

Consult Program Coordinator, St. Michael's College.

Program requirements: 8 full courses or their equivalent, at least 2.0 FCE at 300+ series, including at least 0.5 FCE at 400 level.

1. SMC103Y1
2. Two FCEs as follows: JSV200H1; JSV201H1 (formerly SMC272H1); JSV202H1 (formerly SMC271H1); SMC313H1
3. 0.5 FCEs from the following (internship options): SMC366H1 (formerly SMC218Y1)/SMC362Y1/SMC471H1
4. 4.5 FCEs from Christianity and Culture courses (including RLG100Y1/RLG280Y1, SMC472Y1), with at least 1.5 FCE from the following:  
SMC203Y1/SMC217H1/SMC232H1/SMC307H1/SMC308H1/SMC311H1/SMC327H1/SMC330H1

## Mediaeval Studies Specialist (Arts program)

Consult Professor Giulio Silano, St. Michael's College.

(12 full courses or their equivalent, including at least 4.0 FCEs at the 300+ level, 1.0 of which must be at the 400 level)

1. At least 0.5 FCE from the introductory courses:  
SMC175H1/SMC176Y1/SMC210H1/SMC212H1.
2. At least 2.0 FCEs from the foundational courses listed below, which provide further introduction into more specific aspects of Mediaeval Studies
3. At least 2.0 FCEs from the following Latin courses:  
SMC176Y1/LAT101H1/LAT102H1/LAT201H1/LAT202H1/SMC222H1/SMC323H1

4. Up to 6.0 FCEs from among the following elective courses, with at least 2.0 FCEs from courses with an SMC designator. Students can choose courses from all four groups.

### History:

SMC211H1/SMC212H1/SMC215H1/SMC337H1/SMC338H1/SMC344Y1/CLA378H1/HIS208Y1/HIS220Y1/HIS251Y1/HIS320H1/HIS321H1/HIS322H1/HIS323H1/HIS336H1/HIS403Y1/HIS424H1/HIS426H1/HIS427H1/HIS428H1/HIS432H1/HIS434Y1/HIS438H1/HPS201H1/HPS430H1/NMC270H1/NMC273Y1/NMC275H1/NMC342H1/NMC376H1/NMC377Y1/NMC396Y1

### Thought:

SMC188Y1/SMC205H1/SMC210H1/SMC213H1/SMC307H1/SMC324H1/SMC327H1/SMC350H1/SMC359H1/SMC361H1/CLA336H1/MAT390H1/MST200Y1/PHL200Y1/PHL205H1/PHL206H1/PHL303H1/PHL304H1/PHL307H1/PHL308H1/PHL309H1/PHL336H1/RLG241Y1

### Literature:

SMC176Y1/SMC222H1/SMC226H1/SMC250Y1/SMC323H1/SMC343H1/SMC373H1/SMC440Y1/SMC441Y1/SMC436H1/ENG240Y1/ENG300Y1/ENG311H1/ENG330H1/ENG385H1/FRE318H1/FRE471H1/GER429H1/ITA311H1/ITA312H1/ITA320H1/LAT101H1/LAT102H1/LAT201H1/LAT202H1/NMC255Y1/NMC350H1/SLA330Y1/SLA400H1/SPA450H1.

### The Arts:

SMC200H1/SMC201H1/SMC326H1/SMC344Y1/SMC358H1/FAH215H1/FAH216H1/FAH318H1/FAH319H1/FAH327H1/FAH328H1/FAH420H1/FAH421H1/FAH424H1/FAH492H1/NMC396Y1

And from the **intensive research courses** with changing topics in the fourth year: SMC406H1/SMC407Y1/SMC435H1/SMC457H1.

5. SMC385H1
6. SMC490Y1

Note: Please note that not all courses are offered every year and that it is the responsibility of the student to plan ahead in order to make course selections that meet the program requirements.

### Foundational Courses:

SMC176Y1 Medieval Christian Latin for Beginners  
SMC200H1 Christian Imagination I: Visual Arts  
SMC201H1 Christian Imagination II: Literary Arts  
SMC222H1 Mediaeval Latin I  
SMC307H1 Scripture in the Christian Tradition  
SMC323H1 Mediaeval Latin II  
SMC327H1 Ritual and Wordship  
SMC358H1 The Mediaeval Book  
SMC359H1 Mediaeval Theology  
SMC361H1 Mediaeval Law

### Contact

Consult Professor Giulio Silano, St. Michael's College.

# St. Michael's College

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## Mediaeval Studies Major (Arts program)

Consult Professor Giulio Silano, St. Michael's College.

(7 full courses or their equivalent, including at least 2.0 FCEs at the 300+ level, 0.5 of which must be at the 400 level)

1. At least 0.5 FCE from the introductory courses:  
SMC175H1/SMC176Y1/SMC210H1/SMC212H1.

2. At least 1.0 FCE from the foundational courses listed below, which provide further introduction into more specific aspects of Mediaeval Studies

3. Up to 4.5 FCEs from among the following elective courses, with at least 1.5 FCEs from courses with an SMC designator. Students can choose courses from all four groups.

### History:

SMC211H1/SMC212H1/SMC215H1/SMC337H1/SMC338H1/SMC344Y1/CLA378H1/HIS208Y1/HIS220Y1/HIS251Y1//HIS320H1/HIS321H1/HIS322H1/HIS323H1/HIS336H1/HIS403Y1/HIS424H1/HIS426H1/HIS427H1/HIS428H1/HIS432H1/HIS434Y1/ HIS438H1/HPS201H1/HPS430H1/NMC270H1/NMC273Y1/NMC275H1/NMC342H1/NMC376H1/NMC377Y1/NMC396Y1

### Thought:

SMC188Y1/SMC205H1/SMC210H1/SMC213H1/SMC307H1/SMC324H1/SMC327H1/SMC350H1/SMC359H1/SMC361H1/CLA336H1/MAT390H1/MST200Y1/PHL200Y1/PHL205H1/PHL206H1/PHL303H1/PHL304H1/PHL307H1/  
PHL308H1/PHL309H1/PHL336H1/RLG241Y1

### Literature:

SMC176Y1/SMC222H1/SMC226H1/SMC250Y1/SMC323H1/SMC343H1/SMC373H1/SMC440Y1/  
SMC441Y1/SMC436H1/ENG240Y1/ENG300Y1/ENG311H1/ENG330H1/ENG385H1/FRE318H1/FRE471H1/  
GER429H1/ITA311H1/ITA312H1/ITA320H1/LAT101H1/LAT102H1/LAT201H1/LAT202H1/  
NMC255Y1/NMC350H1/SLA330Y1/SLA400H1/SPA450H1.

### The Arts:

SMC200H1/SMC201H1/SMC326H1/SMC344Y1/SMC358H1/FAH215H1/FAH216H1/FAH318H1/  
FAH319H1/FAH327H1/FAH328H1/FAH420H1/FAH421H1/FAH424H1/FAH492H1/NMC396Y1

And from the **intensive research courses** with changing topics in the fourth year: SMC406H1, SMC407Y1, SMC435H1, SMC457H1.

4.SMC385H1

5.At least 0.5 FCE from among the following:  
SMC406H1/SMC407Y1/SMC435H1/SMC436H1/SMC457H1/SMC490Y1

Please note that not all courses are offered every year and that it is the responsibility of the student to plan ahead in order to make course selections that meet the program requirements.

### Foundational Courses:

SMC176Y1 Medieval Christian Latin for Beginners  
SMC200H1 Christian Imagination I: Visual Arts  
SMC201H1 Christian Imagination II: Literary Arts

SMC222H1 Mediaeval Latin I  
SMC307H1 Scripture in the Christian Tradition  
SMC323H1 Mediaeval Latin II  
SMC327H1 Ritual and Wordship

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SMC358H1 The Mediaeval Book  
SMC359H1 Mediaeval Theology  
SMC361H1 Mediaeval Law

## Contact

Consult Professor Giulio Silano, St. Michael's College.

## Mediaeval Studies Minor (Arts program)

Consult Professor Giulio Silano, St. Michael's College.

(4 full courses or their equivalent: at least one 300+ series course)

1. At least 0.5 FCE from the introductory courses  
SMC175H1/SMC176Y1/SMC210H1/SMC212H1  
2. At least 1.0 FCE from the foundational courses listed below  
3. 2.5 FCEs from the foundational courses listed below or from the elective courses listed in item 4. of the Specialist Program above.

### Foundational Courses:

SMC176Y1 Medieval Christian Latin for Beginners  
SMC200H1 Christian Imagination I: Visual Arts  
SMC201H1 Christian Imagination II: Literary Arts  
SMC222H1 Mediaeval Latin I  
SMC307H1 Scripture in the Christian Tradition  
SMC323H1 Mediaeval Latin II  
SMC327H1 Ritual and Wordship  
SMC358H1 The Mediaeval Book  
SMC359H1 Mediaeval Theology  
SMC361H1 Mediaeval Law

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## St. Michael's College Courses

## Note

Listed in this order:

- SMC One: Cornerstone
- Book and Media Studies
- Celtic Studies
- Christianity & Culture
- Mediaeval Studies
- Other

## SMC One: Cornerstone Courses

### SMC188Y1 Cornerstones in Social Justice [24L/24S]

A service learning course in which students learn the theory, history, development and application of the principles of social justice from a variety of perspectives: historical, sociological, political, philosophical, theological, and psychological, among others. Small group learning and community placements integral to course. Not eligible for CR/NCR option.

Prerequisite: Admission to SMC One

Exclusion: Innis One, Munk One, New One, Trinity One, Vic One, UC One, Woodsworth One

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2) + Society and its Institutions (3)

## First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

## Book and Media Studies Courses

### SMC219Y1 Mass Media in Culture and Society [48L/24T]

Designed to acquaint students with the essential notions of media studies, and to promote a conscious utilization of contemporary media. Starting with the preliminary definitions of media, mass, and communications, the student is invited to consider critically the cultural constructs created by modern media, from print to photography, filming, TV, computer and Internet.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

### SMC228H1 Elements of Material Bibliography and Print Culture (formerly SMC228Y1) [36L]

An historical introduction to the evolution of printing processes since Gutenberg. Attention is given to topics such as the mechanization of printing, the industrialization of the book chain since the nineteenth century, typography and publishing. Visits to rare book collections are an integral part of the course. Note: this course is not intended as a guide to self-publishing nor as a workshop on book making.

Exclusion: SMC228Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

### SMC229H1 Readers and Readerships (formerly SMC228Y1) [36L]

An introduction to the history of reading in western culture, from ancient Greece to the twenty-first century. Attention is given to topics such as the causes and effects of different modes of reading (silent or vocalized, intensive or extensive, educational or escapist), book clubs, censorship, and the ways in which readers have influenced cultural production.

Exclusion: SMC228Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

### SMC255H1 Critical Approaches to Media [24L/5T]

This course provides students the opportunity to explore the concepts of critical information literacy and critical media literacy in order to develop practical techniques for analyzing media messages and understanding implications of information production, distribution and ownership.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### SMC291H1 Broadcast Media and Culture [24L/12T]

A survey of historical and contemporary developments in radio, television, and the internet, and their impact on culture. Lectures examine technological innovations, commercialization, nationalization of the airwaves, government regulation, censorship, ratings & viewership, broadcasting and popular culture, propaganda, and the evolution of the radio-television personality. Examples from Canadian and international media.

Prerequisite: Priority to BMS Students

Recommended Preparation: SMC219Y1/SMC228H1/SMC229H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

### SMC300H1 Special Topics in Book and Media Studies I [24L]

Designed to provide for individual half-courses not already covered in the listed range of the Book and Media Studies Program offerings. Students should check the college website for details.

Prerequisite: Priority to BMS students

Recommended Preparation: SMC219Y1; SMC228H1; SMC229H1

Distribution Requirement Status: Humanities

Breadth Requirement: None

### SMC301H1 Special Topics in Book and Media Studies II [24L]

Various topics are taken up each year, the content of which depends on the instructor. Students should check the college website for details.

Prerequisite: Priority to BMS students

Recommended Preparation: SMC219Y1; SMC228H1; SMC229H1

Distribution Requirement Status: Humanities

Breadth Requirement: None

### SMC314H1 Media Revolutions [24L]

A deeper examination of key cases in the development of media, such as the invention of movable type, the mechanization of the printing press, standardization of call number systems (Dewey, LC, etc.), the advent of radio, television and internet. Topics vary from year to year, according to the instructor.

Recommended Preparation: SMC219Y1; SMC228H1; SMC229H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

### SMC315H1 The Newspaper in Canadian Society [24L/9T]

Through lectures, field trips and encounters with major personalities in the print media industry, this course examines the past, present and future of Canadian newspapers at a time when the survival of the industry is at stake. Research projects will focus on the enormous influence of newspapers in Canada's formation, how newspapers are adapting to today's on-line, social media and revenue challenges and how the future might lie with the past.

Recommended Preparation: SMC219Y1; SMC228H1; SMC229H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### SMC316H1 Social Technology and Networks [24L]

Facebook, MySpace, Google+. Social technology tools are entwined in modern life. But what consequences do they have for how we think, how we feel, how we socialize, and how we understand ourselves, both as global citizens and as humans? Students in this course will explore, examine, and debate these questions.

Prerequisite: Enrolment priority for students enrolled in a Book and Media Studies program

Exclusion: SMC300H1 (2011-2013)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### SMC317H1 Books, Media, and Music [24L]

Applying the thought of key media theorists (Innis, McLuhan, Habermas, Fiske, etc.) to the historical symbiosis between music and media, students in this course explore communications from oral storytelling to YouTube, as well as examine the relationship between music and other arts.

Recommended Preparation: SMC219Y1/SMC228H1/SMC229H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SMC318H1 Early Television [24L]**

An exploration of early television programming in the light of critical media theory.

Prerequisite: SMC219Y1

Exclusion: SMC300H1S 2013-2014

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SMC319H1 Media Ethics [24L]**

Provides students with a theoretical foundation that enables them to identify and analyze ethical issues in mainstream and non-mainstream media. Traditional principles of journalistic truth-seeking, objectivity, and minimizing harm are revisited in the light of global, interactive media, produced by both citizens and professionals.

Prerequisite: SMC219Y1/SMC228H1/SMC229H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **SMC386H1 Book and Media Internship [48P]**

Credit is offered to a student doing an internship with a media organization formally recognized as a partner of St. Michael's College and the Book and Media Studies Program. A faculty supervisor assesses and assigns the necessary written component cognate to the internship.

Prerequisite: Permission of the Program Coordinator and Principal

Recommended Preparation: SMC219Y1/SMC228H1/SMC229H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **SMC387H1 Advertising and Media [24L]**

An introduction to advertising and its use in global media. Emphasis is placed on the creative and manipulative character of contemporary advertising, the specialized messaging employed in public life and politics, and the growth of modern agencies for marketing and product promotion.

Prerequisite: SMC219Y1

Corequisite: None

Exclusion: None

Recommended Preparation: None

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SMC388Y1 Independent Study in Book and Media Studies (formerly SMC399Y1) [TBA]**

An independent research project to be proposed by the student and supervised by a full-time faculty member affiliated with the Book and Media Studies Program. Not eligible for CR/NCR option.

Prerequisite: SMC219Y1; SMC228H1; SMC229H1; enrolment in the Major program; approval of Program Director

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **SMC392H1 Media Identities [24L]**

An exploration of media's relation to constructions and representations of identity and power across race, gender and class in private and social spheres. Applies a social justice framework to media technologies and industries as mechanisms for socio-political influence on identity and potential vehicles for restoration and evolution of identity.

Recommended Preparation: SMC219Y1/SMC228H1/SMC229H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SMC397H1 Religion, Media and Culture [24L]**

An overview of how religious groups use print and broadcast media to advance their theological, political, social, and economic views. An encounter with Christian, Muslim, Jewish, and South Asian faith groups and their use of newspapers, magazines, radio, television, and the internet. Emphasis on North American religious media, with reference to broadcasting elsewhere.

Prerequisite: Priority to BMS Students

Recommended Preparation: SMC219Y1/SMC228H1/SMC229H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **SMC398H1 Independent Study in Book and Media Studies [TBA]**

An independent research project to be proposed by the student and supervised by a full-time faculty member affiliated with the Book and Media Studies Program. Not eligible for CR/NCR option.

Prerequisite: SMC219Y1; SMC228H1; SMC229H1; enrolment in the Major program; approval of Program Director

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **SMC430H1 Advanced Topics in Book and Media Studies I [24S]**

A course/seminar on a topic to be determined annually.

Recommended Preparation: SMC219Y1; SMC228H1; SMC229H1

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **SMC431H1 Advanced Topics in Book and Media Studies II [24S]**

A course/seminar on a topic to be determined annually.

Recommended Preparation: SMC219Y1; SMC228H1; SMC229H1

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **SMC462H1 Contemporary issues in media and music [24S]**

This seminar explores the digital revolution in music—innovation in production and distribution, mobile devices and changing patterns of listening, and the role of digital media in teaching and learning (secondary orality)—as well as elements of resistance, e.g., the rise of small performance venues, and the revival of vinyl.

Recommended Preparation: SMC317H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **SMC463H1 Media in Education [24S]**

A senior seminar which examines various theories of education to create critical discourse on the role of media in the classroom.

Prerequisite: SMC219Y1

Exclusion: SMC431H1F 2013-2014; SMC431H1S 2012-2013

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **SMC464H1 Church, Ethics, and Media [24S]**

This advanced seminar explores the Catholic Church's use of and reflection on the media of social communication since Vatican II. It brings the key Vatican teaching documents into dialogue with contemporary media ethical theory, and roots the discussion in specific issues and case studies.

Prerequisite: SMC103Y1/SMC203Y1/SMC219Y1/SMC291H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**SMC465H1 McLuhan [24S]**

An advanced seminar on McLuhan's theory of technology, perception, and social media.

Prerequisite: SMC219Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**SMC466H1 Public Broadcasting in Canada [24S]**

This research seminar focuses on the history and development of the Canadian Broadcasting Corporation. Topics for discussion include broadcast regulation, programming, relationships with the state, the ongoing struggle with private broadcasters, commercialization, Americanization, and financial questions. Students will be required to make oral presentations and prepare a research essay.

Prerequisite: Enrolment priority for students enrolled Book and Media Studies Major POST

Exclusion: SMC430H1 (2012-2013)

Recommended Preparation: SMC291H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**SMC467H1 What is Information? [24S]**

What is information? –The relativistic nature of information. Information as a process, a verb and not a noun. Role of information in the digital age. Information overload and how to deal with it. Shannon information and the relationship of information to meaning.

Prerequisite: Two years of university completed

Distribution Requirement Status: Social Science

Breadth Requirement: Creative and Cultural Representations (1)

**SMC470H1 Media Manipulation and History [24S]**

This course assesses way in which governments, political parties, news agencies and other groups and institutions use media to shape particular messages or describe current events. Each week the seminar will focus on a major historical event, the manner in which it was reported and interpreted, and principal challenges to that interpretation. A wide variety of media will be analyzed including: books, newspapers, film, radio, television, and the internet. Events such as the War on Terror, the Great War, the Dreyfus Affair, the Irish Famine, and the "Red Scare" are among some of the topics that will be discussed. Students will prepare unique assignments akin to the work done by communications officers.

Exclusion: SMC430H1S (2015-2016)

Recommended Preparation: SMC219Y1/SMC228H1/SMC229H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**Celtic Studies Courses**

**SMC141Y1 Introduction to the Irish Language [48L/24T]**

This course in Modern Irish Language is designed for learners with no prior knowledge of the language. The course is intended to introduce students to and provide practice in the four language skills: listening, speaking, reading and writing.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**SMC240H1 Celtic Cultures I: Ancient and Medieval (formerly SMC240Y1) [24L]**

An introduction to the cultural study of the Celtic peoples in pre-history and in the Middle Ages.

Prerequisite: None

Exclusion: SMC240Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**SMC241H1 Celtic Cultures II: Modern [24L]**

An introduction to the cultural study of modern Celtic nations from 1600 to the present.

Exclusion: SMC240Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**SMC242Y1 An Introduction to Scottish Gaelic [48L/24T]**

An introduction to Scottish Gaelic language and culture. Students will master fundamentals of reading, writing, and the basics of grammar and will begin to speak Gaelic. Proverbs, poetry, songs and folktales introduce students to the language, literature and folklore of Gaelic Scotland and immigrant North America. No prior knowledge of the language is required.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**SMC243Y1 Modern Welsh [48L/24T]**

An introductory course intended to provide a basic speaking and reading knowledge of Modern Welsh. Open to students with no prior experience of Welsh.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**SMC250Y1 Celtic Mythology [48L]**

This course covers the range of the Celtic mythological record from all the Celtic areas through an examination of the archaeological, inscriptional and textual sources. A critical evaluation is offered of various relevant mythic approaches.

Exclusion: SMC450Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**SMC251H1 Intermediate Irish Language I [24L/12T]**

This course builds on SMC141Y1 Introduction to the Irish Language. It will provide further expansion of the four language skills: listening, speaking, reading and writing.

Prerequisite: SMC141Y1

Exclusion: SMC241Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**SMC252H1 Intermediate Irish Language II [24L/12T]**

This course is a continuation of SMC251H1 Intermediate Irish Language I. It will provide further expansion of language skills. We will examine literary texts, both prose and poetry.

Prerequisite: SMC251H1

Exclusion: SMC241Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SMC333H1 Special Topics in Celtic Studies I (formerly SMC408H1/409H1) [24S]**

Various topics are taken up each year, the content of which depends on the instructor. Students should check the college web site for details.

Prerequisite: Permission of the instructor.

Exclusion: SMC408H1, SMC409H1

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **SMC334H1 Special Topics in Celtic Studies II (formerly SMC408H1/409H1) [24S]**

Various topics are taken up each year, the content of which depends on the instructor. Students should check the college web site for details.

Prerequisite: Permission of the instructor.

Exclusion: SMC408H1, SMC409H1

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **SMC335Y1 Special Topics in Celtic Studies III (formerly SMC410Y1) [48S]**

Topic varies from year to year, depending on the instructor. Students should check the college web site for details.

Prerequisite: Permission of the instructor.

Exclusion: SMC410Y1

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **SMC337H1 Early Celtic History 450-1000 [24L]**

The history of the insular Celtic nation groups from the post-Roman period to the end of the first millennium, the course will trace settlement history and social organization, the making of Celtic nations, the process of Christianization, the impact of the Vikings, and the rise of paramount kings (offered every three years).

Exclusion: SMC345Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **SMC338H1 The Celtic Nations in the Later Middle Ages 1000-1550 [24L]**

Later medieval development of Ireland, Scotland and Wales: development of kingship, trade and urban settlement, arrival and colonizing patterns of the Normans, role of English administration and aggression, resurgence of native elites, development of frontier zones, beginning of the more compete English conquest of Ireland and Wales (offered every three years)

Exclusion: SMC345Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **SMC342Y1 Literature of Three Nations: Ireland, Scotland and Wales [48L]**

This course examines the way in which modern Irish, Scottish and Welsh writers have responded to the pressures of anglicization and modernization, and discusses literary reactions to social, ethnic and gender issues in contemporary culture.

(Offered every three years)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

## **SMC343H1 Medieval Celtic Narratives (formerly SMC343Y1) [24L]**

Course explores the full range of Celtic narratives, mythic, heroic, romantic, and voyage lore from medieval Ireland and Wales.

Prerequisite: Completion of at least 5.0 FCEs

Exclusion: SMC343Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SMC344Y1 Celtic Archaeology [48L]**

The archaeology of the Celtic peoples, with special reference to settlement patterns and material culture in Great Britain and Ireland. (offered every three years)

Distribution Requirement Status: Social Science

Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

## **SMC346H1 Celtic Folklore (formerly SMC346Y1) [24L]**

This course examines the relationship between folklore and national identity in Ireland, Scotland and Wales, with special emphasis on storytelling traditions.

Prerequisite: Completion of five undergraduate full course equivalents

Exclusion: SMC346Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SMC347H1 Traditional Music in Ireland and Scotland [24L]**

From Medieval harp playing to the emergence of reels and jigs during the eighteenth century, this course explores the changes and continuities in traditional music, and its place in contemporary culture.

Prerequisite: Completion of five undergraduate full course equivalents

Exclusion: SMC346Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SMC348H1 Early Modern Ireland (formerly SMC348Y1) [24L]**

This course focuses on Irish history from the early seventeenth century to the Great Famine of the mid nineteenth century. Topics include the Ulster plantation, Catholic resistance, the Penal Laws, the United Irishmen, the Act of Union, Catholic Emancipation and the Famine.

Prerequisite: Completion of five undergraduate full course equivalents

Exclusion: SMC348Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **SMC350H1 Celtic Spirituality [24L]**

The religious culture of the early and mediaeval Celtic Church as manifested in the material and written record, and its significance for contemporary religious movements. Texts studied include the Patrician dossier, early monastic Rules and Liturgies, selected hagiographical, homiletic, devotional and lyric texts.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **SMC351H1 The Blasket Island Writings [24L]**

The Blasket Islands lie off the southwest coast of Ireland. This course will examine the important library of books written and orally recorded by the islanders from the 1920s onwards. Special attention will be paid to The Island Man, Peig and Twenty Years a Growing. Texts studied in translation (offered every three years).

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)



**SMC355H1 Contemporary Celtic Cinema [36L]**

An exploration of contemporary films of Ireland, Scotland and Wales from 1980 to the present, as they relate to representations of Celtic identity and the formation of national cinema.

Exclusion: SMC411H1F (2003-04)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**SMC356H1 The Continental Celts [24L]**

The course examines the early history of the Celtic peoples in Europe from their first appearance in the material culture of prehistoric Europe to their eventual disappearance as a political power in the first century of Roman conquest (offered every three years; will be offered in 2014-2015).

Recommended Preparation: SMC240Y1/SMC240H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**SMC373H1 Medieval Celtic Poetry [24L]**

A comparative study of medieval Irish and Welsh poetry - lyric, courtly, saga, bardic, romantic, erotic, monastic, and comedic - from the late sixth century to the end of the Middle Ages. All works will be read in translation.

Exclusion: SMC411H1 (2013-2014)

Recommended Preparation: SMC240Y1/SMC240H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**SMC374H1 The Celtic Book [24L]**

A study of the production of manuscripts, books and tracts that played a crucial role in the historical evolution of a national culture or cultures in the Celtic world.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**SMC375H1 The Contemporary Irish Novel [24L]**

This course examines the Irish novel after Joyce. Particular attention is paid to writers such as Molly Keane, Edna O'Brien, Anne Enright, John Banville, Patrick McCabe and Roddy Doyle

Prerequisite: Completion of five undergraduate full course equivalents

Exclusion: SMC333H1 (2012-2013)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**SMC376H1 Irish Canadian Literature [24L]**

This course examines the ways their Irish background and Canadian experiences influenced Irish writers in Canada, and discusses their impact on Canadian literature. Figures to be studied include nineteenth-century writers such as Isabella Valancy Crawford and Thomas D'Arcy McGee, and more recent writers such as Brian Moore and Emma Donoghue.

Prerequisite: Completion of five undergraduate full course equivalents

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**SMC377H1 The Scots in Cape Breton [24L]**

An examination of the ways in which Scottish immigrants shaped the culture of Cape Breton and by extension Canada, with particular reference to language, literature, music and folklore.

Prerequisite: Completion of five undergraduate full course equivalents

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**SMC378H1 Ireland Since the Famine [24L]**

This course examines the relationship between nationalism and unionism in post-Famine Ireland, with particular emphasis on the debates over Home Rule, the Irish Revolution and Civil War of 1916-23, the effects of partition, and the Troubles in Northern Ireland.

Prerequisite: Completion of five undergraduate full course equivalents

Exclusion: SMC348Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**SMC395Y1 Independent Study in Celtic Studies**

A research project chosen by the student in consultation with an instructor and approved by the Program Co-ordinator. Arrangements for the choice of topic and supervisor must be completed by the student before registration. Not eligible for CR/NCR option.

Prerequisite: Approval of Instructor and Program Director

Distribution Requirement Status: Humanities

Breadth Requirement: None

**SMC396H1 Independent Study in Celtic Studies**

A research project chosen by the student in consultation with an instructor and approved by the Program Co-ordinator. Arrangements for the choice of topic and supervisor must be completed by the student before registration. Prerequisite: Approval of Instructor and Program Director. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

**SMC411H1 Advanced Topics in Celtic Studies I [24S]**

Various topics are taken up each year, the content of which depends on the instructor. Students should check the college web site for details.

Prerequisite: Permission of the instructor

Distribution Requirement Status: Humanities

Breadth Requirement: None

**SMC412H1 Advanced Topics in Celtic Studies II [24S]**

Various topics are taken up each year, the content of which depends on the instructor. Students should check the college web site for details.

Prerequisite: Permission of the instructor

Distribution Requirement Status: Humanities

Breadth Requirement: None

**SMC413H1 The Irish and Scots in Canada [24S]**

This course explores the history of Irish and Scottish migration and settlement in Canada with a special emphasis on political, social, economic and religious themes.

Exclusion: SMC411H1 (93-94), 412H1 (94-95)

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **SMC416H1 Irish Nationalism in Canada [24S]**

An in-depth examination of the Fenian underground in Canada during the 1860s, using primary sources to examine such issues as ethno-religious conflict, the relationship between Catholicism and Irish nationalism, and the efforts of the secret police force to infiltrate and undermine the Fenian Brotherhood. Special attention is paid to the ways in which the state responded to the threat posed by Irish revolutionaries who supported an Irish-American invasion of Canada as a means to hit back at the British Empire and pave the way for Irish independence.

Prerequisite: Permission of the instructor  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **SMC440Y1 Middle Welsh Language and Literature [48L]**

An introduction to the Welsh language and literature from the 10th to the 14th centuries.

Prerequisite: Permission of instructor  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **SMC441Y1 Old and Middle Irish [48L]**

An introduction to Old and Middle Irish language and literature from the 7th to the 11th century.

Prerequisite: Permission of instructor  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **SMC444H1 The Great Irish Famine in an International Context [24S]**

An examination of the Great Irish Famine, 1845-1851, in its economic, political, social, demographic and religious dimensions and issues of collective and created memory. By use of manuscript and routinely generated records students will explore mass migration from Ireland to Britain, the Americas, and the Antipodes.

Recommended Preparation: SMC348H1/SMC378H1/HIS263Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **SMC451Y1 Senior Essay in Celtic Studies**

A scholarly project chosen by the student in consultation with an instructor and approved by the Program Co-ordinator. Arrangements for the choice of topic must be completed by the student before registration.

Prerequisite: Permission of instructor  
Distribution Requirement Status: Humanities  
Breadth Requirement: None

## **Christianity and Culture Courses**

### **SMC103Y1 Catholicism [48L/24T]**

An introduction to Christianity as it has been lived, celebrated, and reflected on in the Roman Catholic Church. Special emphasis will be placed on the transformation of Catholic traditions through history, as well as the creative engagement of the Second Vatican Council (1962-65) and recent Catholic thinkers with critical issues in modern and contemporary culture.

Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2) + Society and its Institutions (3)

### **SMC200H1 Christian Imagination I: Visual Arts (formerly SMC200Y1) [36L/24T]**

The purpose of this course is to introduce students to the depth and breadth of the imagination in the western Christian tradition, through an exploration of the visual arts.

Exclusion: SMC200Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

### **SMC201H1 Christian Imagination II: Literary Arts (formerly Christianity & Literature) [36L]**

The purpose of this course is to introduce students to the depth and breadth of the imagination in the western Christian tradition, through an exploration of the literary arts.

Exclusion: SMC200Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

### **SMC203Y1 Christianity and Society Through the Ages (formerly Christianity Encounters the Secular World) [48L/24T]**

This course explores the historical engagement of various Christian traditions with the prevailing political, social, and ethnic cultures in the western world and beyond. Students will also examine the development of Christianity as it confronts changes in the symbolic and intellectual universes from antiquity to post-modernity.

Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2) + Society and its Institutions (3)

### **SMC204H1 Christianity and Asia [24L/12T]**

A study of key elements in the encounter of Christianity and Asia: e.g. the controversy over Chinese rites; Korea's conversion by lay philosophers; the development of Filipino folk Catholicism and its impact on politics; the influence of Indian thought on recent Western theologians.

Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

### **SMC205H1 Varieties of Christian Experience [24L/12T]**

Exploration of the variety of forms which Christian personal experience has taken in the course of history (martyrdom, mysticism, monasticism, sanctification of ordinary life, etc.) in order to appreciate their variety, complexity, and deep unity.

Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

### **SMC207H1 Christianity in Latin America [24L/12T]**

The development of Christian communities in Latin America with an emphasis on such themes as the Spanish Conquista, missions, church-state relations, popular religious culture, and the emergence of Liberation Theology.

Recommended Preparation: SMC203Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

### **SMC208Y1 Major Christian Thinkers [48L/24T]**

An introduction to the Christian intellectual tradition through a study of key figures representing a variety of historical periods, from the patristic through the medieval to the modern and contemporary. The selected authors discuss a range of religious, intellectual and human issues from basic Christian beliefs to the challenges of modern and postmodern cultures.

Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

**SMC215H1 Varieties of Christian Community [24S]**

Christian history has been characterized by an enduring and fruitful search for forms of religious community. This course surveys some communal attempts to express Christianity, monasticism, forms of common life for clerics, the Mendicants, lay confraternities, religious orders, and contemporary lay movements.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**SMC217H1 Literature and the Christian Child [24L/12T]**

An exploration of connections between a child's moral development and literature in Christian traditions. We examine literary, historical and philosophical developments appropriate to the child's imagination. The course will include the study of poems, catechetical materials, novels and other texts written for children.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**SMC232H1 Models of Relating Christianity and Science [24L]**

This course examines different models of relating Christianity and Science. Beginning with the biblical view on the natural world and moving to the present, the lectures develop a wide range of approaches.

Exclusion: SMC230Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**SMC233H1 Christianity and Science: Disputed Questions [24L]**

This course engages various controversial issues in the natural sciences of importance to Christian faith. Examples include: Creation vs. Evolution, Free Will vs. Determinism, Naturalism vs. Revelation.

Prerequisite: One Full Course in the Natural Sciences

Exclusion: SMC230Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**SMC305H1 Christianity and Popular Culture [36L]**

An examination of both overt and covert representations of Christian ideas in contemporary popular media. We examine the ways in which Christian themes have been appropriated and subverted in mass media, while also examining the innovative ways these themes, such as redemption, sacrifice, vocation, and hope, are presented anew.

Prerequisite: 10 FCE with at least 6 in Religion/Book and Media Studies/Christianity and Culture

Recommended Preparation: SMC200H1/SMC201H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**SMC307H1 Scripture in Christian Tradition (formerly SMC307Y1) [24L/12T]**

The formation and content of the Christian Bible; an introduction to the history of its interpretation and of the role it has played and continues to play in Christian life and culture.

Exclusion: SMC307Y1

Recommended Preparation: SMC103Y1; SMC203Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**SMC308H1 Marriage and the Family in the Catholic Tradition (formerly Marriage and the Family in Canon Law) [24L]**

A close reading of the Code of Canon Law touching on the themes of marriage and the family; relationship to other fundamental Church statements (e.g. *Familiaris Consortio*); examination of issues raised by opposition between church teaching and other views.

Recommended Preparation: SMC203Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**SMC309H1 Christianity and Politics [24L/12T]**

This course explores developments in the relations between the Catholic Church and the states of Western Europe and America from the Enlightenment to the present. Of particular concern is Catholicism's response to the political theories of the Enlightenment, the secularization of the state and social justice issues.

Recommended Preparation: SMC203Y1/HIS241H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**SMC311H1 Why the Church [24S]**

The Catholic Church claims to be the continuation of the event of Christ in history, the guarantor of the authenticity of each person's encounter with Christ, and the means by which His memory may be cultivated. The course examines the reasons for these claims and the forms they have taken.

Recommended

Preparation: SMC103Y1/SMC200H1/SMC201H1/SMC205H1/SMC216Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**SMC312H1 Catholicism and Education [24S]**

The Catholic Church has developed a distinctive approach to the pedagogical enterprise. This course explores aspects of this approach by an examination of canonical legislation and other texts published by ecclesiastical authorities and their application in Canada.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**SMC313H1 Catholic Education in Ontario [24L]**

An historical appraisal of the evolution of Catholic schools, universities, and catechetical education in Ontario. Special emphasis is placed on the evolution of Ontario's separate school system.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**SMC322H1 Christianity and Feminism [24S]**

A study of the impact of modern and contemporary feminist movements in Christian theology and practice. Feminist critiques of Christianity; Christian critiques of feminism; significant Christian feminist thinkers; and womanist, *mujerista* and /or Christian feminisms from the global South.

Recommended Preparation: SMC103Y1/SMC203Y1; WGS160Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **SMC327H1 Ritual and Worship (formerly SMC216Y1) [24L/12T]**

An introduction to Christian ritual and worship, in cross-cultural and ecumenical perspective. Biblical roots, historical development and diverse adaptations of Christian worship in Europe, North America and the global South.

Exclusion: SMC216Y1

Recommended Preparation: SMC103Y1; SMC203Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **SMC330H1 Christ in Christian Tradition (formerly SMC330Y1) [24L/12T]**

Faith in Christ is central to Christianity. This course offers an advanced introduction to classical debates about the person and work of Christ, the modern Quest of the Historical Jesus, and selected feminist, liberationist and indigenized perspectives on Christ from Asia, Africa and Latin America.

Exclusion: SMC330Y1

Recommended Preparation: SMC103Y1; SMC203Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **SMC362Y1 International Development, Justice and Human Dignity [32P/16S]**

Community-based learning course in social justice and international development. Seminars in the Winter term and 12-week placement with an international partner between May and August. There will be additional costs to students associated with this program. Duration is January to August; add/cancel/refunds deadlines as per a regular S course.

Prerequisite: None; interview process prior to enrolment

Recommended

Preparation: SMC103Y1/SMC188Y1/SMC203H1/SMC205H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **SMC364H1 The Christian Book [24L]**

An interdisciplinary examination of the Bible as artifact and as an index of culture, art, and language. Topics include: the mediaeval giant Bibles, illuminated and illustrated Bibles, the Gutenberg Bible, The King James Bible, the Bible industry, the Bible online, the Bible as sacred object, sacred language and vernacular.

Recommended

Preparation: SMC200H1/SMC201H1/SMC228H1/SMC229H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SMC366H1 Interreligious Dialogue and Practice (formerly SMC218Y1) [48L]**

An introduction to religious diversity as a feature of contemporary Christian life, thought and practice. Toronto offers a unique opportunity for students to engage questions of interreligious dialogue and practice in living, dynamic environments. This is a service-learning course: required placements will be arranged through the Centre for Community Partnerships.

Prerequisite: Six full courses

Exclusion: SMC218Y1

Recommended Preparation: SMC103Y1; SMC203Y1; RLG100Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **SMC371H1 Faith and Physics [24L]**

The complex interplay between religious belief, culture, and the emergence of modern physical theory: rise and fall of mechanistic theories, relativity, particle physics and models of the Universe, Big Bang theory and Black Holes, etc.

Prerequisite: Four university courses

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **SMC390Y1 Independent Studies in Christianity and Culture**

A concluding course in Christianity and Culture, providing an opportunity to synthesize insights acquired during the course of the program (enrolment subject to availability of a supervisor). Not eligible for CR/NCR option.

Prerequisite: Written approval of Program Director

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **SMC391H1 Independent Studies in Christianity and Culture [TBA]**

Independent Studies in Christianity and Culture. Not eligible for CR/NCR option.

Prerequisite: Written approval of Program Director

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **SMC400H1 Advanced Topics in Christianity and Culture I [TBA]**

Advanced Topics in Christianity and Culture I

Prerequisite: Two courses in Christianity and Culture

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **SMC401H1 Advanced Topics in Christianity and Culture II [TBA]**

Advanced Topics in Christianity and Culture II

Prerequisite: Two courses in Christianity and Culture

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **SMC417H1 Methods in Biblical Studies OT [24L/12T]**

A survey of the religious traditions of ancient Israel as they are reflected in the diverse types of literature found in the First Testament, with emphasis on their historical development and their relevance for contemporary scholarship. Topics to be considered include: Israelite origins, settlement in the land, social structures, the monarchy, prophecy, the exile and return.

Prerequisite: SMC307Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **SMC418H1 Methods in Biblical Studies NT [24L/12T]**

Introduction to the major methods and issues in New Testament interpretation: textual criticism; the world of the New Testament; the composition, structure and theologies of the Synoptic Gospels; the Jesus of History and the Christ of Faith.

Prerequisite: SMC307Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**SMC424H1 Topics in the Theology of Culture II [24S]**

A seminar course engaging in theological reflection on and response to the shifting cultural realities of the twenty-first century. Topics for close examination may include: post-modernity, home and homelessness, and mass popular culture.

Prerequisite: completion of 10 full-course credits

Recommended

Preparation: SMC200H1/SMC201H1/SMC208Y1/SMC305H1/SMC330Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**SMC433Y1 Independent Studies in Christianity and Culture [TBA]**

An independent research project to be proposed by the student and supervised by a Christianity and Culture faculty member. The student, in consultation with the faculty member, may choose either a one-term (H) or a two-term (Y) project. Not eligible for CR/NCR option.

Prerequisite: Ten full courses; Permission of Program Director

Distribution Requirement Status: Humanities

Breadth Requirement: None

**SMC434H1 Independent Studies in Christianity and Culture [TBA]**

An independent research project to be proposed by the student and supervised by a Christianity and Culture faculty member. The student, in consultation with the faculty member, may choose either a one-term (H) or a two-term (Y) project. Not eligible for CR/NCR option.

Prerequisite: Ten full courses; Permission of Program Director

Distribution Requirement Status: Humanities

Breadth Requirement: None

**SMC455H1 Art and Spirituality in Eastern Christian Traditions [24L/12T]**

An advanced introduction to the history of Eastern Christian icons, architecture and the iconoclastic controversy. Sample topics include: Byzantine, Slavic, Coptic, Ethiopian and modern icons; the relationship between iconography, art, aesthetics, liturgy and spirituality; and/or the writings of John of Damascus, Theodore Abu Qurrah, or other significant Eastern Christian thinkers.

Prerequisite: Completion of 10 full course credits; permission of department

Recommended Preparation: SMC203Y1, SMC208Y1, NMC270H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**SMC456H1 Indian Christianity [24S]**

An advanced study of the historical development, major theological writings and contemporary ethnographic studies of diverse Christian traditions in South Asia. Topics to be covered include the legacy of Thomas Christianity, Hindu-Christian dialogue, the Christian ashram movement, liturgical inculturation and religious hybridity.

Prerequisite: Completion of 10 full-course credits

Recommended Preparation: SMC203Y1, SMC204H1, RLG203Y1 and/or RLG205Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**SMC459H1 Research and Service Learning in Social Justice [24L]**

Combination of classroom, research and service learning, with a field placement in an approved organization committed to social justice.

Prerequisite: Four full course equivalents in the Christianity and Culture Program; permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**SMC472Y1 Research Seminar in Christianity and Education [48S]**

After an introduction to research methods in education, students undertake individual and/or group research projects drawing on their various field experiences and other placements in schools and other settings.

Prerequisite: Permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2) + Society and its Institutions (3)

**Christianity & Culture: Major Program in Religious Education Courses**

**JSV200H1 Communication and Conflict Resolution in Education [24L]**

This course aims to develop an understanding of social conflict and cultural diversity. How does conflict act as a catalyst for change? What do socio-cultural, cognitive, and motivational approaches teach us about conflict? Topics include: effects of conflict, human rights principles, cross-cultural understanding.

Prerequisite: Enrolment in Education and Society Minor

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**JSV201H1 Child and Adolescent Development in Education (formerly SMC272H1, VIC261H1) [36L]**

This course examines how children and adolescents develop and explores how best to facilitate their growth and learning in the area of education. Major topics include cognitive, emotional, social, moral, physical and language development. Themes addressed include interpersonal relationships such as pro-social and aggressive behaviour, as well as the influence of schooling, family life and culture. This course includes a 20-hour field experience located in a school and entails observation of development across various age groups. This may be satisfied by participation in Vic Reach or in another organization with the approval of the Program Coordinator.

Prerequisite: Enrolment Education and Society Minor

Exclusion: SMC272H1, VIC261H1

Distribution Requirement Status: Social Science or Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**JSV202H1 Equity and Diversity in Education (formerly SMC271H1, VIC260H1) [36L]**

This course focuses on raising awareness and sensitivity to equity and diversity issues facing teachers and students in diverse schools and cultural communities. It builds knowledge of how oppression works and how cultural resources and educational practices may be brought to bear on reducing oppression and improving equity. The field experience in this course entails observation of and participation in equity and diversity efforts in a culturally-rooted school and/or community organization.

Prerequisite: Enrolment in Education and Society Minor

Exclusion: SMC271H1, VIC260H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SMC471H1 Internship**

Arranged by each student in consultation with faculty, the internship enables teacher candidates to integrate, extend and deepen their learning experiences in a way not otherwise available in the program. Those wishing to take this course must have their program approved by the Program Director. Not eligible for CR/NCR option.

Prerequisite: Enrolment in Christianity and Culture CTEP Major

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **Mediaeval Studies Courses**

### **SMC175H1 Mediaeval Civilization [24L/12T]**

An interdisciplinary course to introduce students to the rich culture of the European mediaeval period (from 500 to 1500). Students will examine the Middle Ages by means of its art, literature, philosophy, liturgy, historiography, and music. A chronological overview will introduce students to the basic historical shape of the period.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### **SMC176Y1 Medieval Christian Latin for Beginners [72L]**

An introduction to medieval ecclesiastical Latin based principally on the Vulgate Bible, the major texts of Christian worship, and a selection of texts from later medieval Latin.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) +

Thought, Belief and Behaviour (2)

### **SMC210H1 The Early Mediaeval Tradition (Formerly SMC210Y1) [24L/12T]**

An introduction to the thought and culture of early mediaeval Europe.

Students are introduced to important monuments of early mediaeval History, Thought, Literature, and Art. They follow some of the common threads that run through these disciplines and explore chief expressions of early mediaeval life and thought.

Exclusion: SMC210Y1

Recommended Preparation: SMC175H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **SMC211H1 The Middle Ages and the Movies [24L/12T]**

This course examines the ways mediaeval themes have been presented in the cinema over the last century by taking exemplary films from different countries and epochs. The purpose is to explore each on three levels: the mediaeval reality, the subsequent legendary or literary elaboration, and the twentieth-century film rendition, regarded equally as work of art, ideology and economic product.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **SMC212H1 The Later Mediaeval Tradition (formerly SMC210Y1) [24L/12T]**

An introduction to the thought and culture of later mediaeval Europe.

Students are introduced to important monuments of later mediaeval History, Thought, Literature, and Art. They follow some of the common threads that run through these disciplines and explore chief expressions of later mediaeval life and thought.

Exclusion: SMC210Y1

Recommended Preparation: SMC175H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

### **SMC213H1 Dante and the Christian Imagination [24L]**

A study of selections from various works by Dante as an expression of the mediaeval imagination, viewed against the background of medieval Christian doctrine and psychology and in relation to various contemporary approaches to the study of medieval Christian culture.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### **SMC222H1 Mediaeval Latin I (formerly LAT322H1) [48S]**

This course studies a selection of mediaeval Latin prose and poetry. Emphasis is on the linguistic differences between mediaeval Latin and its classical antecedent, especially in regard to vocabulary, grammar and orthography. A review of Latin grammar is part of the course.

Prerequisite: SMC176Y1 or LAT100Y1/LAT102H1

Exclusion: LAT322H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **SMC226H1 King Arthur [24L]**

A survey of the Arthurian legends from the earliest Latin histories through selected Welsh, French and German Romances to the English-language classic, *Morte d'Arthur* of Malory. Emphasis will be on reading the primary sources (in translation).

Prerequisite: Completion of five undergraduate full course equivalents

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **SMC323H1 Mediaeval Latin II (formerly LAT323H1) [48S]**

Through the close reading of fewer but longer texts than in SMC222H1, this course gives students a deepened acquaintance of the linguistic features of mediaeval Latin, as well as with its literature, and generic and stylistic conventions. A solid foundation in basic Latin morphology, syntax and vocabulary is assumed.

Prerequisite: LAT202H1/SMC222H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **SMC324H1 The Study of the Bible in the Middle Ages [24L/12T]**

This course explores mediaeval biblical commentary and the various approaches taken by the exegetes to uncover the secrets of the sacred page, for instance through the four senses of Scripture: history, allegory, tropology, and anagogy.

Recommended Preparation: SMC210H1/SMC212H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### **SMC326H1 Mediaeval Music: thought and practice [24L]**

An introduction to musical theory and practice in the middle ages: sacred and secular music, monophony and polyphony, performers and patrons, notation and orality. No prior background in music or ability to read music is required.

Prerequisite: SMC203Y1/SMC206H1/SMC210H1/SMC212H1/MUS111 H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SMC358H1 The Mediaeval Book [24S]**

This course examines the most salient aspects of mediaeval manuscript culture. We will study, first, how the parchment for books was folded, pricked, ruled and bound, and second, what scripts were employed in the different codices. We will also examine the various types of books made in the Middle Ages and the challenges they pose to modern scholars.

Recommended Preparation: LAT100Y1/LAT102H1;

SMC210H1/SMC212H1 or a course in mediaeval history.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SMC359H1 Mediaeval Theology [24L]**

An introduction to the discipline of theology as taught in the mediaeval schools. Building on a basic knowledge of Christian scriptures and of philosophical argument, this course will offer an organic exposition of mediaeval theology, together with an introduction into the scientific method of theological investigation as practised in the Middle ages.

Recommended Preparation: SMC210H1/SMC212H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **SMC361H1 Mediaeval Law (formerly SMC405H1) [24S]**

Mediaeval jurisprudence combines the high technical quality of Roman law with the requirements of Christianity. The seminar provides an overview of the development of mediaeval learned jurisprudence; select texts from Roman and canon law, with their glosses, are read in order to explore more specifically the methods and concerns of mediaeval jurists.

Exclusion: SMC405H1

Recommended Preparation: HIS220Y1/SMC210H1/SMC212H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **SMC406H1 Mediaeval Seminar II [12T/24S]**

A fourth-year seminar on a topic to be determined annually.

Prerequisite: Permission of the instructor

Recommended Preparation: SMC210H1/SMC212H1 or other mediaeval courses

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **SMC407Y1 Mediaeval Seminar I [24T/48S]**

A fourth-year seminar on a topic to be determined annually.

Prerequisite: Permission of the instructor

Recommended Preparation: SMC210H1/SMC212H1 or other mediaeval courses

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **SMC435H1 Independent Studies in Mediaeval Studies [TBA]**

An independent research project to be proposed by the student and supervised by a member of faculty affiliated with the Mediaeval Studies Program. Not eligible for CR/NCR option.

Prerequisite: Ten full courses

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **SMC436H1 Advanced Mediaeval Latin Seminar [12S]**

This seminar explores the intellectual milieu of the cathedral schools of the twelfth century and the debates of its famous and infamous protagonists: Abelard, for instance, and Bernard of Clairvaux, Heloise, Peter the Venerable, etc. Readings in the original Latin will be discussed and commented upon by students.

Prerequisite: SMC323H1

Recommended Preparation: SMC210H1/SMC212H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SMC490Y1 Senior Essay in Mediaeval Studies [24S]**

A scholarly project chosen by the student in consultation with an instructor and approved by the Program Co-ordinator. Arrangements for the choice of topic and supervisor must be completed by the student before registration. The project will be accompanied by a research seminar component. Not eligible for CR/NCR option.

Prerequisite: Permission of instructor and program coordinator

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

## **Other St. Michael's College Courses**

### **SMC299Y1 Research Opportunity Program**

Credit course for supervised participation in faculty research project.

Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

### **SMC380H1 St. Michael's College Independent Studies [TBA]**

An opportunity for students to pursue an independent course of study not otherwise available in the Faculty of Arts and Science. Not eligible for CR/NCR option.

Prerequisite: Permission of the Principal of St. Michael's

College. Normally restricted to students who have completed at least ten full courses with a CGPA of at least 2.5. Application forms are available in the St. Michael's College Principal's Office. A completed application signed by the student and by the supervising instructor must be submitted to the St. Michael's College Principal's Office for approval; at least one month before the beginning of the semester.

Distribution Requirement Status: TBA

Breadth Requirement: None

### **SMC381Y1 St. Michael's College Independent Studies [TBA]**

An opportunity for students to pursue an independent course of study not otherwise available in the Faculty of Arts and Science. Not eligible for CR/NCR option.

Prerequisite: Permission of the Principal of St. Michael's College.

Normally restricted to students who have completed at least ten full courses with a CGPA of at least 2.5. Application forms are available in the St. Michael's College Principal's Office. A completed application signed by the student and by the supervising instructor must be submitted to the St. Michael's College Principal's Office for approval; at least one month before the beginning of the semester.

Distribution Requirement Status: TBA

Breadth Requirement: None

## **SMC385H1 Multicultural Toronto by the Numbers (formerly Numbers and the Humanities) [24L/24T]**

An introduction to research methods in the Humanities focusing on quantification, the use of routinely generated records, forensic analysis, and data collection and analysis. Critique of these methods. The course focuses on multiculturalism and ethnicity in Toronto. Students will reconstruct the life of immigrant, religious, and occupational groups in the city by use of municipal assessment records, the censuses of 1901 and 1911, church records, newspapers, maps, city directories, and online databases.

Prerequisite: Students must be registered in major or specialist programs in SMC/SLA/FRE/GER/ITA.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **SMC457H1 Directed Research [24S]**

Based on a professor's research project currently in progress, this course will enable an undergraduate student to play a useful role in the project while receiving hands-on training in research. Not eligible for CR/NCR option.

Prerequisite: Permission of Department

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **SMC480H1 St. Michael's College Independent Studies [TBA]**

An opportunity for students to pursue an independent course of study not otherwise available in the Faculty of Arts and Science. Not eligible for CR/NCR option.

Prerequisite: Permission of the Principal of St. Michael's College.

Normally restricted to students who have completed at least fifteen full courses with a CGPA of at least 2.5. Application forms are available in the St. Michael's College Principal's Office. A completed application signed by the student and by the supervising instructor must be submitted to the St. Michael's College Principal's Office for approval at least one month before the beginning of the semester.

Distribution Requirement Status: TBA

Breadth Requirement: None

## **SMC481Y1 St. Michael's College Independent Studies [TBA]**

An opportunity for students to pursue an independent course of study not otherwise available in the Faculty of Arts and Science. Not eligible for CR/NCR option.

Prerequisite: Permission of the Principal of St. Michael's College.

Normally restricted to students who have completed at least fifteen full courses with a CGPA of at least 2.5. Application forms are available in the St. Michael's College Principal's Office. A completed application signed by the student and by the supervising instructor must be submitted to the St. Michael's College Principal's Office for approval at least one month before the beginning of the semester.

Distribution Requirement Status: TBA

Breadth Requirement: None



## Faculty

### Lecturer

S. Rayter, MA, Ph D

## Sexual Diversity Studies, Mark S. Bonham Centre for

The Sexual Diversity Studies Program (Specialist, Major, Minor) allows students to focus on questions of sexual identity, difference, and dissidence across disciplinary lines and cultural frameworks. By examining sexual diversity across time and place, students will learn about the ways different cultures have separated the sexual from the nonsexual, the normal from the abnormal, and what the regulation of sexuality can tell us about how power operates along the lines of gender and race, for example. Students will gain an understanding of how and why certain sexual practices have come under scrutiny, and the significance of the various labels and identities that we have attached to them.

Enquiries: [sexual.diversity@utoronto.ca](mailto:sexual.diversity@utoronto.ca)

### Professor

B. Cossman, LL. B, LL. M

## Sexual Diversity Studies, Mark S. Bonham Centre for Programs

### Sexual Diversity Studies Specialist (Arts program)

Although Sexual Diversity Studies offers no first-year courses (though some students may come to SDS having taken UC104Y: Engaging Toronto: Sex in the City), and has no prerequisites to take our second-year introductory courses, students may find it useful to take a broad range of courses in their first year from the Humanities and Social Sciences, such as first-year courses in Anthropology (ANT100Y), Art (FAH101H, FAH102H), Classics (CLA160H), Drama (DRM100Y), English (ENG110Y, ENG140Y, ENG150Y), Geography (GGR124H), History (HIS106Y, HIS109Y), Philosophy (PHL100Y), Sociology (SOC101Y, SOC102H, SOC103H), or Women and Gender Studies (WGS160Y).

(10 full courses or their equivalent, including 4.0 FCEs at the 300+ level, 1.0 of which must be at the 400-level)

First year of the program:

1. SDS255H1, SDS256H1

Upper years:

2. SDS354H1, SDS355H1
3. At least two of: JPU315H1/ENG273Y1/SDS365H1/WDW387H1 (SDS365H1 and WDW387H1 cannot be used together to fulfill this requirement, though students are free to take both courses)
4. At least one of JSU237H1/SDS345H1 (or another approved course on HIV/AIDS)
5. At least 4.0 additional FCEs from Group A
6. SDS460H1/SDS460Y1
7. At least one additional 0.5 FCE from 400 level SDS courses (SDS455H1, SDS460Y1, SDS470H1, SDS475H1, SDS477H1, SDS490Y1)

8. Any remaining course requirements may be drawn from Group A or B to a total of 10.0 FCEs

Group A:

ANT366H1, ANT441H1, ANT456H1, ANT462H1, ENG273Y1, ENG384Y1, GER338H1, GGR363H1, HIS205Y1, HIS348H1, HIS447H1, INI223H1, JAL355H1, JPU315H1, NEW240Y1, NEW341H1, NEW449H1, PHL243H1, POL482H1, RLG225H1, SOC309Y1, SOC367H1, SOC410H1, JSU237H1, JSU325H1, SDS345H1, SDS346H1, SDS354H1, SDS355H1, SDS365H1, SDS375H1, SDS376H1, SDS377H1, SDS378H1, SDS379H1, SDS380H1, SDS455H1, SDS458H1, SDS459Y1, SDS460Y1, SDS470H1, SDS475H1, SDS477H1, SDS478H1, VIC343Y1, VIS202H1, VIS208H1, CRI380H1, CRI387H1, WGS374H1, WGS375H1, WGS376H1, WGS430H1

Group B:

ANT323Y1, ANT329H1, ANT343H1, ANT427H1, ANT460H1, ENG235H1, ENG250Y1, ENG254Y1, ENG342H1, ENG349H1, ENG355H1, ENG365H1, ENG368H1, ENG382Y1, FCS292H1, FCS395H1, FRE304H1, FRE326H1, FRE344H1, GGR124Y1/GGR124H1, GGR327H1, HIS202H1, HIS345H1, HIS363H1, HIS375H1, HIS383H1, HIS431H1, INI323Y1, INI330Y1, INI385H1, JNV300H1, JPP343H1, NEW241Y1, NEW303H1, NEW344Y1, NEW349H1, PHL271H1, PHL367H1, POL332Y1, POL344Y1, POL364H1, POL432H1, PSY323H1, RLG237H1, RLG309Y1, SOC214Y1, SOC365H1, VIC260H1, VIC352Y1, VIS209H1, VIS217H1, VIS218H1, VIS302H1, VIS318H1, VIS319H1, WGS160Y1, WGS262H1, WGS271Y1, WGS336H1, WGS350H1, WGS365H1, WGS366H1, WGS367H1, WGS368H1, WGS369H1, WGS373H1

"A" courses have an explicit focus on sexuality and sexual diversity.

"B" courses have either some focus on sexuality or sexual diversity, or a related focus on gender and equity issues. The content of these courses may vary from year to year depending on the particular instructor.

\*For Architecture (ARC) and Visual Studies (VIS) courses please visit the Daniels website.

Other courses, such as Special Topics courses in other Departments or Programs, may be approved by the Business Officer on an individual basis. Students are responsible for checking co- and pre-requisites for courses from Group A and Group B.

## Note

Consult Business Officer, room 251, University College, 416-978-6276, E-mail: [sexual.diversity@utoronto.ca](mailto:sexual.diversity@utoronto.ca), or visit the Sexual Diversity Studies website at [www.uc.utoronto.ca/sexualdiversity/](http://www.uc.utoronto.ca/sexualdiversity/).

### Sexual Diversity Studies Major (Arts program)

Although Sexual Diversity Studies offers no first-year courses (though some students may come to SDS having taken UC104Y: Engaging Toronto: Sex in the City), and has no prerequisites to take our second-year introductory courses, students may find it useful to take a broad range of courses in their first year from the Humanities and Social Sciences, such as first-year courses in Anthropology (ANT100Y), Art (FAH101H, FAH102H), Classics (CLA160H), Drama (DRM100Y), English (ENG110Y, ENG140Y, ENG150Y), Geography (GGR124H), History (HIS106Y, HIS109Y), Philosophy (PHL100Y), Sociology (SOC101Y, SOC102H, SOC103H), or Women and Gender Studies (WGS160Y).

# Sexual Diversity Studies, Mark S. Bonham Centre for

Sexual Diversity Studies Major (6 full courses or their equivalent including at least 2.5 FCEs at the SDS 300+ level, 1.0 of which must be at the 400-level)

First year of the program:  
1. SDS255H1, SDS256H1

Upper years:

2. SDS354H1/SDS355H1
3. At least two of: JPU315H1/ENG273Y1/SDS365H1/WDW387H1 (SDS365H1 and WDW387H1 cannot be used together to fulfill this requirement, though students are free to take both courses)
4. At least one of JSU237H1/SDS345H1 (or another approved course on HIV/AIDS)
5. At least two of SDS455H1/SDS477H1/SDS458H1/SDS459Y1/SDS460H1/SDS460Y1/SDS490Y1
6. Any remaining course requirements may be drawn from Group A or B to a total of 6.0 FCEs

Group A:

ANT366H1, ANT441H1, ANT456H1, ANT462H1, ENG273Y1, ENG384Y1, GER338H1, GGR363H1, HIS205Y1, HIS348H1, HIS447H1, INI223H1, JAL355H1, JPU315H1, NEW240Y1, NEW341H1, NEW449H1, PHL243H1, POL482H1, RLG225H1, SOC309Y1, SOC367H1, SOC410H1, JSU237H1, JSU325H1, SDS345H1, SDS346H1, SDS354H1, SDS355H1, SDS365H1, SDS375H1, SDS376H1, SDS377H1, SDS378H1, SDS379H1, SDS380H1, SDS455H1, SDS458H1, SDS459Y1, SDS460Y1, SDS470H1, SDS475H1, SDS477H1, SDS478H1, VIC343Y1, VIS202H1, VIS208H1, CRI380H1, CRI387H1, WGS374H1, WGS375H1, WGS376H1, WGS430H1

Group B:

ANT323Y1, ANT329H1, ANT343H1, ANT427H1, ANT460H1, ENG235H1, ENG250Y1, ENG254Y1, ENG342H1, ENG349H1, ENG355H1, ENG365H1, ENG368H1, ENG382Y1, FCS292H1, FCS395H1, FRE304H1, FRE326H1, FRE344H1, GGR124Y1/GGR124H1, GGR327H1, HIS202H1, HIS345H1, HIS363H1, HIS375H1, HIS383H1, HIS431H1, INI323Y1, INI330Y1, INI385H1, JNV300H1, JPP343H1, NEW241Y1, NEW303H1, NEW344Y1, NEW349H1, PHL271H1, PHL367H1, POL332Y1, POL344Y1, POL364H1, POL432H1, PSY323H1, RLG237H1, RLG309Y1, SOC214Y1, SOC365H1, VIC260H1, VIC352Y1, VIS209H1, VIS217H1, VIS218H1, VIS302H1, VIS318H1, VIS319H1, WGS160Y1, WGS262H1, WGS271Y1, WGS336H1, WGS350H1, WGS365H1, WGS366H1, WGS367H1, WGS368H1, WGS369H1, WGS373H1

"A" courses have an explicit focus on sexuality and sexual diversity.

"B" courses have either some focus on sexuality or sexual diversity, or a related focus on gender and equity issues. The content of these courses may vary from year to year depending on the particular instructor.

\*For Architecture (ARC) and Visual Studies (VIS) courses please visit the Daniels website.

Other courses, such as Special Topics courses in other Departments or Programs, may be approved by the Business Officer on an individual basis. Students are responsible for checking co- and pre-requisites for courses from Group A and Group B.

## Note

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## Sexual Diversity Studies Minor (Arts Program)

Although Sexual Diversity Studies offers no first-year courses (though some students may come to SDS having taken UC104Y: Engaging Toronto: Sex in the City), and has no prerequisites to take our second-year introductory courses, students may find it useful to take a broad range of courses in their first year from the Humanities and Social Sciences, such as first-year courses in Anthropology (ANT100Y), Art (FAH101H, FAH102H), Classics (CLA160H), Drama (DRM100Y), English (ENG110Y, ENG140Y, ENG150Y), Geography (GGR124H), History (HIS106Y, HIS109Y), Philosophy (PHL100Y), Sociology (SOC101Y, SOC102H, SOC103H), or Women and Gender Studies (WGS160Y).

(4 full courses or their equivalent)

1. At least one of: SDS255H1/SDS256H1
2. At least one of: SDS354H1/SDS355H1
3. At least one of: ENG273Y1/JPU315H1/SDS365H1/WDW387H1
4. Remaining requirements from any combination of course from Group A and Group B to a total of 4.0 FCE

Group A:

ANT366H1, ANT441H1, ANT456H1, ANT462H1, ENG273Y1, ENG384Y1, GER338H1, GGR363H1, HIS205Y1, HIS348H1, HIS447H1, INI223H1, JAL355H1, JPU315H1, NEW240Y1, NEW341H1, NEW449H1, PHL243H1, POL482H1, RLG225H1, SOC309Y1, SOC367H1, SOC410H1, JSU237H1, JSU325H1, SDS345H1, SDS346H1, SDS354H1, SDS355H1, SDS365H1, SDS375H1, SDS376H1, SDS377H1, SDS378H1, SDS379H1, SDS380H1, SDS455H1, SDS458H1, SDS459Y1, SDS460Y1, SDS470H1, SDS475H1, SDS477H1, SDS478H1, VIC343Y1, VIS202H1, VIS208H1, CRI380H1, CRI387H1, WGS374H1, WGS375H1, WGS376H1, WGS430H1

Group B:

ANT323Y1, ANT329H1, ANT343H1, ANT427H1, ANT460H1, ENG235H1, ENG250Y1, ENG254Y1, ENG342H1, ENG349H1, ENG355H1, ENG365H1, ENG368H1, ENG382Y1, FCS292H1, FCS395H1, FRE304H1, FRE326H1, FRE344H1, GGR124Y1/GGR124H1, GGR327H1, HIS202H1, HIS345H1, HIS363H1, HIS375H1, HIS383H1, HIS431H1, INI323Y1, INI330Y1, INI385H1, JNV300H1, JPP343H1, NEW241Y1, NEW303H1, NEW344Y1, NEW349H1, PHL271H1, PHL367H1, POL332Y1, POL344Y1, POL364H1, POL432H1, PSY323H1, RLG237H1, RLG309Y1, SOC214Y1, SOC365H1, VIC260H1, VIC352Y1, VIS209H1, VIS217H1, VIS218H1, VIS302H1, VIS318H1, VIS319H1, WGS160Y1, WGS262H1, WGS271Y1, WGS336H1, WGS350H1, WGS365H1, WGS366H1, WGS367H1, WGS368H1, WGS369H1, WGS373H1

"A" courses have an explicit focus on sexuality and sexual diversity.

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Other courses, such as Special Topics courses in other Departments or Programs, may be approved by the Business Officer on an individual basis. Students are responsible for checking co- and pre-requisites for courses from Group A and Group B.

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## Sexual Diversity Studies, Mark S. Bonham Centre for Courses

### **JSU237H1 Introduction to HIV/AIDS: Health, Sexuality and Gender (formerly UNI237H1) [24L]**

A critical examination of the HIV/AIDS global pandemic from a multidisciplinary perspective and with an emphasis on sexuality. The course examines the basic biology of HIV/AIDS and then covers social, historical, political, cultural, gender, and public health aspects of HIV/AIDS. Attention is given to the distinct features of vulnerable and marginalized populations, prevention, treatment, drug development, and access to medicines.

JSU237H1 is particularly intended for students in the Health Studies and/or Sexual Diversity Studies programs.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **SDS255H1 History and Perspectives in Sexual Diversity (formerly UNI255H1) [24L/12T]**

An interdisciplinary examination of sexuality across cultures and periods. How are sexualities represented? How are they suppressed or celebrated? How and why are they labeled as straight, gay, lesbian, bisexual, queer, or perverse? How do sexualities change with ethnicity, class, and gender?

Exclusion: UNI255H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

### **SDS256H1 Social Scientific Approaches to Sexuality (formerly UNI256H1) [24L/12T]**

A cross-cultural perspective on the methodological and theoretical approaches used by social scientists to study human sexuality and gendered diversity.

Exclusion: UNI256H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **JPU315H1 Sexual Diversity Politics (formerly POL 315H) [24L]**

An interdisciplinary examination of the development of political visibility by gays, lesbians, bisexuals, and the transgendered in the contemporary period; and an analysis of public policy on and state regulation of sexual diversity in Canada, the U.S., Europe, with additional attention paid to developments in Latin America, East Asia, and Africa. (*Given by the Department of Political Science and the Sexual Diversity Studies Program*)

Prerequisite: SDS255H1/SDS256H1/UNI255H1/UNI256H1/one full course on the politics of 20th century Europe, U.S., or Canada/one full course on gender or sexuality/permission of the instructor

Exclusion: POL315H1/POL315Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **SDS345H1 Sex and the Epidemic: Social Work, HIV, and Human Sexuality (formerly UNI345H1) [36L]**

HIV has forever changed the way human beings understand sexuality. Through a social justice lens, this course examines the nature of community norms, laws, popular media, and the academy to explore how the epidemic has impacted the provision of social services in relation to the diversity of human sexuality.

Prerequisite: SDS255H1/SDS256H1/UNI255H1/UNI256H1

Exclusion: UNI345H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **JNS450H1 Sexuality & Disability [24S]**

An interdisciplinary and intersectional approach to the study of disability and sexuality. Students will engage with historical, mainstream and critical discourses and explore complex issues and representations pertaining to disability, sexuality, sexual practices and desire. Draws from a range of writings and cultural texts in queer, crip and sexuality studies.

Prerequisite: SDS255H1/SDS256H1 (UNI255H1/UNI256H1) or NEW240Y1/NEW241Y1 or permission of the instructor

Exclusion: SDS455H1: Special Topics in Sexual Diversity: Sexuality & Disability (2015)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **JSU325H1 Queerly Canadian (formerly UNI325H1) [36L]**

This course focuses on Canadian literary and artistic productions that challenge prevailing notions of nationality and sexuality, exploring not only how artists struggle with that ongoing Canadian thematic of being and belonging, but also celebrate pleasure and desire as a way of imagining and articulating an alternative national politics.

Prerequisite: SDS255H1/SDS256H1/CDN2671 (formerly UNI267H1), CDN268H1 (formerly UNI268H1) or permission of the instructor

Exclusion: SDS375H1 Special Topics: Queerly Canadian, UNI325H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **SDS346H1 Feminist and Queer Approaches to Technology (formerly UNI346H1) [24L]**

What do electronic technologies mean for feminist and queer identity, activism, sociability, art, and politics? This course considers a range of critical pressure points central to digital studies, including social networking, participatory media, digital archives, databases, new media activism, performance, embodiment, and representations of race, gender, and sexuality in electronic contexts.

Prerequisite: SDS255H1/SDS256H1/UNI255H1/UNI256H1 or permission of the instructor

Exclusion: UNI346H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **SDS354H1 Theories of Sexuality I: The Foundations (formerly UNI354H1) [24L]**

A survey of classic western theories of sexuality; each theory is examined in terms of the practices it allows and prohibits. Under consideration are not only the descriptive and/or prescriptive aspects of a particular framework but its epistemic grounds, and implications for understanding identity, body, community, and state.

Prerequisite: SDS255H1/SDS256H1/UNI255H1/UNI256H1

Exclusion: UNI354H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **SDS355H1 Theories of Sexuality II: Contemporary Perspectives (formerly UNI355H1) [24L]**

An integrated survey of some ways in which sexuality has been theorized recently. How have desire and its identities been conceptualized and deployed? What are the implications for psychoanalysis, feminism, and cultural production? What interconnections are yet to be made between sexuality and the markers of gender, race, and class?

Prerequisite: SDS255H1/SDS256H1/UNI255H1/UNI256H1 or permission of the instructor

Exclusion: UNI355H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **SDS365H1 Sexuality and Law (formerly UNI365H1) [24L]**

The course explores the legal regulation of sexuality. How does law understand, constitute and regulate sex, sexuality and sexual diversity? It will consider the role of different types of regulation, including criminal law, family law and constitutional law, and explore issues ranging from sex work and pornography to same sex marriage to transgender discrimination.

Prerequisite: POL315H1/SDS255H1/SDS256H1/UNI255H1/UNI256H1 or permission of the instructor

Exclusion: UNI365H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **SDS375H1 Special Topics in Sexual Diversity Studies A (formerly UNI375H1) [24L]**

Topics vary from year to year depending on instructor. This seminar is intended to expose students in the Sexual Diversity Studies program to topics that may not be covered by permanent university courses.

Prerequisite: SDS255H1/SDS256H1/UNI255H1/UNI256H1 or permission of the instructor

Exclusion: UNI375H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

## **SDS376H1 Special Topics in Sexual Diversity Studies B (formerly UNI376H1) [24L]**

Topics vary from year to year depending on instructor. This seminar is intended to expose students in the Sexual Diversity Studies program to topics that may not be covered by permanent university courses.

Prerequisite: SDS255H1/SDS256H1/UNI255H1/UNI256H1 or permission of the instructor

Exclusion: UNI376H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

## **SDS377H1 Lesbian Studies (formerly UNI377H1) [24L]**

This multidisciplinary course examines multiple lesbian identities that have varied in time and place. The course will pose such questions as: What does lesbian mean? Why have changes occurred in meaning? How has the identity of lesbian been culturally represented and politically expressed in various social and political contexts? It will also take up contemporary theoretical, cultural, and political understandings of lesbianism.

Prerequisite: SDS255H1/SDS256H1/UNI255H1/UNI256H1

Exclusion: UNI377H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **SDS378H1 Queer Youth Studies in Education (formerly UNI378H1) [24L]**

Experiences of queer youth are explored in various education settings through academic research, personal essays, and visual and performing arts to investigate how queer youth define themselves, what they are learning, the curriculum and pedagogy used in the learning process and the possibilities of said learning for social change, individual and community well-being.

Prerequisite: SDS255H1/SDS256H1/UNI255H1/UNI256H1 or permission of the instructor

Exclusion: UNI378H1; UNI376H1 (2013-2014 session)

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **SDS379H1 Queer Popular Culture (formerly UNI379H1) [24L]**

Queer Pop Culture seeks to represent a diversity of approaches in queer popular cultures, exploring the ways in which LGBTQ subjectivities are represented in literature, film, and the media, as well as the ways in which sexual identity is inextricably bound up with other axes of identity.

Prerequisite: SDS255H1/SDS256H1/UNI255H1/UNI256H1 or permission of the instructor

Exclusion: UNI379H1; UNI375H1 (2011-2012, 2012-2013, 2013-2014 sessions)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SDS380H1 Sexual Diversity in a Global Context [24L]**

An exploration of LGBTQ rights and changes in social and cultural responses to sexual diversity in varied regional, national, and cultural contexts, potentially including Africa, Latin America, South and East Asia, and Eastern Europe. The role of transnational linkages and networks will also be considered in effecting change.

Prerequisite: SDS255H1/SDS256H1 or permission of the instructor

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **SDS390H1 Sexuality & Sport [24S]**

Explores the role of sports and wellness programs in promoting or impeding social inclusion, as well as their role in community building among sexual minorities. It will consider the ways that sexuality has been framed or regulated in sports, as well as the challenges to such limits from among athletes, LGBT activists, and others.

Prerequisite: SDS255H1/SDS256H1 (UNI255H1/UNI256H1) or permission from the instructor.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SDS455H1 Special Topics in Sexual Diversity Studies (formerly UNI455H1) [24S]**

Topics vary from year to year depending on instructor. This seminar is intended to expose students in the Sexual Diversity Studies program to topics that may not be covered by permanent university courses.

Prerequisite: SDS255H1/SDS256H1/UNI255H1/UNI256H1

Exclusion: UNI455H1

Recommended

Preparation: JPU315H1/SDS354H1/SDS355H1/UNI354H1/UNI355H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

## **SDS458H1 Research Essay in Sexual Diversity (formerly UNI458H1) [24S]**

A research essay under the supervision of a faculty member with knowledge of sexual diversity, the proposal and supervisor subject to the approval of the SDS Program Director. Not eligible for CR/NCR option.  
Prerequisite: SDS255H1/SDS256H1/UNI255H1/UNI256H1  
Exclusion: UNI458H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: None

## **SDS459Y1 Honours Essay in Sexual Diversity (formerly UNI459Y1) [48S]**

A major research essay prepared over the course of two academic terms (one year); under the supervision of a faculty member with knowledge of sexual diversity; the proposal and supervisor subject to the approval of the SDS Program Director. Not eligible for CR/NCR option.  
Prerequisite: SDS255H1/SDS256H1/UNI255H1/UNI256H1  
Exclusion: UNI459Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: None

## **SDS460Y1 Advanced Research in Sexual Diversity Studies (formerly UNI460H1) [24S]**

A capstone for majors and specialists who will work closely with SDS faculty in developing their own research project while participating in this seminar and learning about key debates, methodologies, and ethical issues in conducting research in SDS. Students will learn to write proposals, ethics reviews, grants and other relevant documents. Not eligible for CR/NCR option.  
Prerequisite: SDS255H1(70%)/SDS256H1(70%)UNI255H1(70%)/UNI256H1(70%) and one 300-level SDS/UNI Sexual Diversity Studies course  
Exclusion: UNI460H1  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **SDS470H1 Sexual Aesthetics/Sexual Representations (formerly UNI470H1) [24S]**

This course explores the history, culture, and aesthetics of sexual representations. Is there a difference between erotica and pornography? How do debates about artistic merit and censorship relate to larger issues of power, capitalism, and technology? How are sexual desires and identities increasingly shaped around those sexual representations?  
Prerequisite: SDS255H1/SDS256H1/UNI255H1/UNI256H1 and at least 1.0FCE in SDS at the 300-level  
Exclusion: UNI470H1; UNI475H1, Special Topics: Porn Studies  
Recommended Preparation: SDS365H1/UNI365H1/WDW387H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **SDS475H1 The New Queer Visibility (formerly UNI475H1) [24S]**

This course critically examines the socio-political cultural context that has produced a new queer visibility. It assesses many of the post-Stonewall changes in the North American public sphere and the interrelationship between the new queer visibility and the North American and public sphere.  
Prerequisite: (SDS255H1/SDS256H1)/(UNI255H1/UNI256H1) and SDS355H1/UNI355H1 or permission of the instructor  
Exclusion: UNI475H1  
Distribution Requirement Status: Humanities or Social Science  
Breadth Requirement: Society and its Institutions (3)

## **SDS477H1 Transgender Studies (formerly UNI477H1) [24S]**

This course introduces students to Trans Studies as an emerging interdisciplinary field of scholarship from various angles: academic, activist, socio-historical, and clinical. Students will develop their abilities to assess representations of trans and intersexed people and social issues, taking into account how race, citizenship, gender, sexuality, culture and dis/ability are materially and socially constructed together to give meaning to the category trans.  
Prerequisite: SDS255H1/SDS256H1/UNI255H1/UNI256H1  
Exclusion: UNI477H1  
Recommended Preparation: SDS354H1/SDS355H1  
Distribution Requirement Status: Humanities or Social Science  
Breadth Requirement: Society and its Institutions (3)

## **SDS478H1 Queer Musics (formerly UNI478H1) [24S]**

This course explores how sexuality and gender are performed in and through a variety of musics, including popular musics and opera. Topics include music as sexual politics; vicissitudes of queer theory in music; homo-musical communities and groups; music technologies and sexualities; gay/lesbian icons in popular musics; lesbian/gay desire and divas.  
Prerequisite: SDS255H1/SDS256H1/UNI255H1/UNI256H1  
Exclusion: UNI478H1  
Recommended Preparation: SDS354H1/SDS355H1/UNI354H1/UNI355H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **SDS490Y1 Engaging Our Communities [48S]**

A service learning course with student placements in various LGBT community organizations alongside regular classroom seminars to look at the politics of engagement, active citizenship, mobilization, archiving community histories, accessibility, belonging, activism, and philanthropy.  
Prerequisite: SDS255H1/SDS256H1 (UNI255H1/UNI256H1) and at least 1 FCE in SDS at the third-year level or permission of the instructor.  
For Majors and Specialists.  
Exclusion: SDS456Y1: Special Topics: Engaging our Communities (2015-16)  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

# Slavic Languages and Literatures

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## Faculty

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### Professors Emeriti

C.H. Bedford, MA, Ph D  
R. Bogert, MA, Ph D  
L. Doležel, Ph D  
K.A. Lantz, MA, Ph D  
R. Lindheim, MA  
R.H. Marshall, Ph D  
N. Pavliuc, MA, Ph D  
C.V. Ponomareff, MA, Ph D  
N.N. Shneidman, MPHE, MA, Dip REES, Ph D  
R.D.B. Thomson, MA, D Phil  
C.J. Barnes, MA, Ph D

### Professor and Chair of the Department

D. T. Orwin, MA, Ph D

### Associate Professor and Graduate Coordinator

T. Koznarsky, MA, Ph D

### Associate Professor and Undergraduate Coordinator

K. Holland, MA, Ph D

### Professors

C.E. Kramer, MA, Ph D  
L. Livak, MA, Ph D

### Associate Professors

V. Ambros, MA, Ph D  
J. Schallert, Ph D  
M. Tarnawsky, MA, Ph D  
T. Trojanowska, MA, Ph D  
T. Smoliarova, MA, Ph D

### Assistant Professor

D. Obradovic, MA, Ph D

### Senior Lecturer in Russian, Language Program Coordinator

Julia Mikhailova, MA, Ph D

## Introduction

For over one thousand years the countries of the Slavic world have played a prominent role in international life, and have provided our civilization with numerous writers, musicians, philosophers, religious and political thinkers, and scientists of note. The richness of the Slavic cultures has a special significance for Canada, since the vast influx of Slavs, which began in the last century, has contributed greatly to the Canadian cultural mosaic.

The Department of Slavic Languages and Literatures offers an extensive range of courses in Russian, Polish, Ukrainian, Czech and Slovak, Bosnian, Croatian, Serbian, and Macedonian languages, literatures, culture, and film as well as in Slavic linguistics. Within this range there are courses suitable for inclusion in a wide variety of programs of study, whether or not the student has studied any Slavic language previously. Some students may specialize in Slavic Languages and Literatures, i.e. Russian, Polish or Ukrainian (see Programs of Study). Others may

simply wish to gain a working knowledge of Russian or another Slavic language to aid their reading of important material in another field. Language study emphasizes small instructional groups, with some laboratory or conversational practice, and the use of literary materials.

Courses in the literatures and cultures of various Slavic countries explore the artistic, intellectual, and social currents of their civilizations, trace the literary history of each country, and examine the works of major authors. Many of our literature, culture, and film courses are taught in English and do not require special linguistic preparation.

The growing importance of Eastern Europe in contemporary affairs has had the effect of making academic study of this area especially lively and relevant. The student whose interest in the Russian or East European world is political, historical, or sociological can specialize in Russian and East European Studies, or pursue a course in Political Science, History, or Sociology, and at the same time take language courses, and perhaps selected courses in literature, in this Department. Students planning to specialize in Economics, Psychology, Mathematics, or any number of other fields, who have a special interest in the Russian or East European area, will find an advanced knowledge of Russian or of another Slavic language an important intellectual and professional asset.

Students intending to take a Program offered by the Department are asked to study carefully the Programs of Study and are urged to begin their language training as soon as possible. A Departmental brochure is available on request.

Undergraduate Coordinator :

Associate Professor Kate Holland, 121 St. Joseph Street, Room 419,  
kate.holland@utoronto.ca, 416-926-1300, ext. 3484.

Web site: [sites.utoronto.ca/slavic](http://sites.utoronto.ca/slavic)

## Slavic Languages and Literatures Programs

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Enrolment in the Slavic Languages and Literatures programs requires the completion of four courses; no minimum GPA required.

### Bosnian, Croatian, Macedonian and Serbian Studies (Arts programs): please see South Slavic Studies

#### Czech and Slovak Studies Major (Arts program)

(6 FCEs or their equivalent, with at least 2 FCEs at the 300+ - level, including 0.5 FCE at the 400-level)

1. SLA105Y1, SLA204Y1, SLA305H1
2. Remaining FCEs from: HIS251Y1, SLA200H1, SLA201H1, SLA202H1, SLA203H1, SLA214H1, SLA215H1, SLA222H1, SLA225H1, SLA230H1, SLA254H1, SLA255H1, SLA256H1, SLA267H1, SLA301H1, SLA302H1, SLA325H1, SLA333H1, SLA335H1, SLA380H1, SLA401H1, SLA405H1, SLA435H1, SLA465H1, SLA475H1, SLA495H1, SLA496H1
3. 0.5 FCE in Breadth Requirement Category 5: The Physical and Mathematical Universes, or another half course approved by the program director, to fulfill the Quantitative Reasoning competency required in the program.

## Czech and Slovak Studies Minor (Arts program)

(4 FCEs or their equivalent, including at least 1 FCE at the 300+ - level )

1. At least 0.5 FCE from: SLA105Y1, SLA204Y1, SLA305H1
2. Remaining FCEs from: HIS251Y1, SLA200H1, SLA202H1, SLA214H1, SLA215H1, SLA222H1, SLA223H1, SLA225H1, SLA230H1, SLA254H1, SLA255H1, SLA256H1, SLA267H1, SLA301H1, SLA305H1, SLA325H1, SLA333H1, SLA335H1, SLA405H1, SLA435H1, SLA465H1, SLA475H1, SLA495H1, SLA496H1

## Polish Language and Literature Major (Arts program)

(6 FCEs or their equivalent, with at least 2 FCEs at the 300+ level, including 0.5 FCE at the 400-level)

1. A sequence of one, two or three FCEs from SLA106Y1, SLA206H1 and SLA207H1, SLA306H1, SLA336H1, and SLA426H1, depending on the student's skill level
2. SLA216H1, SLA266H1
3. SLA346H1, SLA356H1
4. Remaining FCEs from: SLA200H1, SLA201H1, SLA203H1, SLA214H1, SLA222H1, SLA223H1, SLA226H1, SLA230H1, SLA254H1, SLA255H1, SLA256H1, SLA267H1, SLA301H1, SLA302H1, SLA318H1, SLA333H1, SLA380H1, SLA406H1, SLA427H1, SLA436H1, SLA495H1, SLA496H1
5. 0.5 FCE in Breadth Requirement Category 5: The Physical and Mathematical Universes, or another half course approved by the program director, to fulfill the Quantitative Reasoning competency required in the program.

## Polish Language and Literature Minor (Arts program)

(4 FCEs or their equivalent, including at least 1 FCE at the 300+ - level)

1. SLA106Y1 or combination of SLA206H1 and SLA207H1; or SLA306H1 and SLA336H1
2. SLA216H1, SLA266H1
3. Two FCEs from: SLA226H1, SLA255H1, SLA267H1, SLA346H1, SLA356H1, SLA406H1, SLA426H1, SLA427H1, SLA436H1, SLA495H1, SLA496H1

## Polish Studies Major (Arts program)

(7 FCEs or their equivalent, with at least 2 FCEs at the 300+ - level, including 0.5 FCE at the 400-level)

1. A sequence of two FCEs from one of the following groups, depending on the student's skill level: a) SLA106Y1, SLA206H1 and SLA207H1; b) SLA206H1 and SLA207H1, SLA306H1, SLA336H1; or c) SLA306H1, SLA336H1, SLA346H1, SLA356H1
2. SLA216H1, SLA266H1, HIS353Y1
3. Three FCEs, with at least one FCE from group B:  
Group A: Polish  
SLA226H1, SLA346H1, SLA356H1, SLA406H1, SLA426H1, SLA427H1, SLA436H1  
Group B: History and General Slavic  
HIS251Y1, HIS433H1, HIS461H1, SLA200H1, SLA201H1, SLA203H1, SLA214H1, SLA222H1, SLA223H1, SLA230H1, SLA254H1, SLA256H1, SLA267H1, SLA301H1, SLA302H1, SLA318H1, SLA333H1, SLA380H1, SLA495H1, SLA496H1
4. 0.5 FCE in Breadth Requirement Category 5: The Physical and

Mathematical Universes, or another half course approved by the program director, to fulfill the Quantitative Reasoning competency required in the program.

## Polish Studies Minor (Arts Program)

(4 FCEs or their equivalent, with at least one FCE at the 300+ - level)

1. A sequence of two of the following language courses, depending on the student's skill level: a.) SLA106Y1, SLA206H1, SLA207H1; b.) SLA206H1, SLA207H1, SLA306H1, SLA336H1; or c.) SLA306H1 or SLA336H1, SLA346H1, SLA356H1, SLA426H1
2. SLA216H1, SLA266H1
3. HIS353Y1

## Russian Language and Literature Specialist (Arts program)

(10 FCEs or their equivalent, with at least 4 FCEs at the 300+-level, including 1 FCE at the 400-level)

1. SLA100H1, SLA101H1
2. SLA220Y1, SLA245H1, SLA246H1, SLA320Y1, SLA420Y1
3. The remaining FCEs are to be chosen from: SLA102H1, SLA121H1, SLA200H1, SLA201H1, SLA202H1, SLA203H1, SLA210H1, SLA212H1, SLA222H1, SLA230H1, SLA231H0, SLA234H1, SLA242H1, SLA252H1, SLA254H1, SLA255H1, SLA256H1, SLA263H1, SLA267H1, JSH300H1, SLA302H1, SLA303H1, SLA311H1, SLA312H1, SLA314H1, SLA317H1, SLA318H1, SLA321H1, SLA323H1, SLA330Y1, SLA331H1, SLA332H1, SLA333H1, SLA342H1, SLA343H1, SLA351H1, SLA367H1, SLA380H1, SLA400H1, SLA402H1, SLA403H1, SLA412H1, SLA413H1, SLA415H1, SLA420Y1, SLA423H1, SLA424Y1, SLA430H1, SLA433H1, SLA434H1, SLA449H1, SLA495H1, SLA496H1

## Russian Language and Literature Major (Arts program)

(7 FCEs or their equivalent, with at least 2 FCEs at the 300+-level, including 0.5 FCE at the 400-level)

1. SLA100H1, SLA101H1
2. SLA220Y1, SLA245H1, SLA246H1, SLA320Y1
3. The remaining FCEs are to be chosen from: SLA102H1, SLA121H1, SLA200H1, SLA201H1, SLA202H1, SLA203H1, SLA210H1, SLA212H1, SLA222H1, SLA230H1, SLA231H0, SLA234H1, SLA242H1, SLA252H1, SLA254H1, SLA255H1, SLA256H1, SLA263H1, SLA267H1, JSH300H1, SLA302H1, SLA303H1, SLA311H1, SLA312H1, SLA314H1, SLA317H1, SLA318H1, SLA321H1, SLA323H1, SLA330Y1, SLA331H1, SLA332H1, SLA333H1, SLA342H1, SLA343H1, SLA351H1, SLA367H1, SLA380H1, SLA400H1, SLA402H1, SLA403H1, SLA412H1, SLA413H1, SLA415H1, SLA420Y1, SLA423H1, SLA424Y1, SLA430H1, SLA433H1, SLA434H1, SLA449H1, SLA495H1, SLA496H1
4. 0.5 FCE in Breadth Requirement Category 5: The Physical and Mathematical Universes, or another half course approved by the program director, to fulfill the Quantitative Reasoning competency required in the program.

NOTE: Students with OAC Russian or equivalent will take the language sequence SLA 220Y1, 320Y1, 420Y1.

Heritage speakers of Russian or Polish with a high-level proficiency in French may be eligible for a joint Translation Initiative between the Department of Slavic Languages and Literatures of the University of Toronto and the School of Translation at Glendon College, York

# Slavic Languages and Literatures

University. This small pilot initiative (up to six students per institution per year) will prepare students for the professional field of multilingual translation and interpreting. The translation courses taken as part of this pilot initiative will count toward the Russian Language and Literature Major. Please see the "Translation Courses" section and consult the Department of Slavic Languages and Literatures for eligibility.

## Russian Language and Literature Minor (Arts program)

(4 FCEs or their equivalent, including at least 1 FCE at the 300+-level)

2 FCEs in Russian language and 2 FCEs in Russian literature, chosen in consultation with the Undergraduate Coordinator.

## Russian Language Minor (Arts program):

(4 FCEs or their equivalent, including at least 1 FCE at the 300+-level)

Four FCEs from: SLA100H1, SLA101H1, SLA210H1, SLA220Y1, SLA255H1, SLA320Y1, SLA321H1, SLA322H1, SLA323H1, SLA330Y1, SLA351H1, SLA380H1, SLA402H1, SLA403H1, SLA412H1, SLA420Y1, SLA430H1

## Russian Literature in Translation Minor (Arts program)

(Four FCEs or their equivalent)

1. SLA245H1 and SLA246H1.
2. Three additional FCEs in Russian literature and/or culture or interdisciplinary Slavic courses that have a significant Russian component.

## South Slavic Studies Major (Arts program)

This program includes courses that cover facets of the literatures and cultures from the broader South Slavic linguistic territory as well as placing these linguistic, literary, and cultural traditions in a wider Slavic and European context. Students may take courses in the Bosnian, Croatian, Macedonian, and Serbian languages.

(6 FCEs or their equivalent, with at least 2 FCEs at the 300+ level, including 0.5 FCE at the 400-level)

1. SLA257H1 and SLA277H1 or the sequence of SLA209H1 and SLA213H1.  
Prerequisite for SLA257H1 is SLA107Y1 or equivalent knowledge. SLA107Y1, if taken, counts toward the program requirements.  
Prerequisite for SLA209H1 is SLA109Y1 or equivalent knowledge. SLA109Y1, if taken, counts toward the program requirements.
2. SLA217H1, SLA227H1
3. SLA247H1, SLA327H1, SLA337H1, SLA357H1
4. Additional courses satisfying program requirements: SLA104H1, SLA200H1, SLA201H1, SLA202H1, SLA203H1, SLA214H1, SLA222H1, SLA254H1, SLA255H1, SLA256H1, SLA258H1, SLA259H1, SLA267H1, SLA301H1, SLA302H1, SLA330Y1, SLA333H1, SLA347H1, SLA348H1, SLA380H1, SLA401H1. History and Social Science courses related to South Slavic studies as well as other courses in Slavic studies may be taken in consultation with the Undergraduate Coordinator.
5. 0.5 FCE in Breadth Requirement Category 5: The Physical and Mathematical Universes, or another half course approved by the

program director, to fulfill the Quantitative Reasoning competency required in the program.

## South Slavic Studies Minor (Arts program)

(4 FCEs or their equivalent, including at least 1 FCE at the 300+ -level)

1. SLA217H1 or SLA227H1
2. The remaining FCEs are to be chosen from the list of courses indicated in the Major program. 2 FCEs can be taken in a South Slavic language.

## Ukrainian Language and Literature Specialist (Arts program)

Consult Department of Slavic Languages and Literatures.

(10 FCEs or their equivalent, with at least 4 FCEs at the 300+-level, including 1 FCE at the 400-level)

1. SLA108Y1
2. SLA208Y1, SLA218Y1
3. Additional FCEs from: SLA102H1, SLA200H1, SLA201H1, SLA203H1, SLA222H1, SLA228H1, SLA238H1, SLA248H1, SLA255H1, SLA256H1, SLA267H1, SLA302H1, SLA311H1, SLA318H1, SLA328H1, SLA330Y1, SLA331H1, SLA338H1, SLA358H1, SLA380H1, SLA408H1, SLA428Y1, SLA429H1, SLA458H1, SLA495H1. History and Social Science courses with Ukrainian content may also be counted toward this program, with prior permission of the Undergraduate Coordinator.
4. 0.5 FCE in Breadth Requirement Category 5: The Physical and Mathematical Universes, or another half course approved by the program director, to fulfill the Quantitative Reasoning competency required in the program.

## Ukrainian Language and Literature Major (Arts program)

Consult Department of Slavic Languages and Literatures.

(6 FCEs or their equivalent, with at least 2 FCEs at the 300+-level, including 0.5 FCE at the 400-level)

1. SLA108Y1
2. SLA208Y1, SLA218Y1
3. Three FCEs from: SLA102H1, SLA200H1, SLA201H1, SLA203H1, SLA214H1, SLA222H1, SLA223H1, SLA228H1, SLA238H1, SLA248H1, SLA254H1, SLA255H1, SLA256H1, SLA267H1, SLA301H1, SLA302H1, SLA311H1, SLA318H1, SLA328H1, SLA331H1, SLA338H1, SLA358H1, SLA380H1, SLA408H1, SLA428Y1, SLA429H1, SLA458H1, SLA495H1. History and Social Science courses with Ukrainian content may be taken toward the program, in consultation with the Undergraduate Coordinator.
4. 0.5 FCE in Breadth Requirement Category 5: The Physical and Mathematical Universes, or another half course approved by the program director, to fulfill the Quantitative Reasoning competency required in the program.



## Ukrainian Language and Literature Minor (Arts program)

(4 FCEs or their equivalent, at least 1FCE at the 300+-level)

1. SLA218Y1
2. Three FCEs in Ukrainian language, literature or culture, as well as interdisciplinary Slavic courses with a significant Ukrainian component. One FCE in Ukrainian history may be taken toward the program, in consultation with the Undergraduate Coordinator.

## Faculty of Arts & Science Language Citation

The Department of Slavic Languages and Literatures participates in the Faculty of Arts and Science's Language Citation initiative. Students may achieve this Citation in Bosnian, Croatian, Czech, Polish, Russian, Serbian, and Ukrainian. Students interested in completing the Language Citation in languages taught in the Slavic Department but not listed here should consult the Undergraduate Coordinator of the Department of Slavic Languages and Literatures.

Language study is a demanding and intellectually rewarding educational experience. Our students learn to communicate both orally and in writing in other languages and are thus able to experience other parts of the world in more intimate ways. Their access to other cultures opens doors for further study and employment. Students in our department also have the opportunity to read a vast array of world-renowned authors in the original languages, as well as works –normally not available in English –in other areas of study, for example, cinema studies, drama, folklore, history, intellectual history, philosophy, mathematics, and political science.

The Language Citation recognizes a significant level of achievement in language study. For course selection students should consult the Undergraduate Coordinator as early as possible since not every language course is offered each year. Students who begin language study at the Intermediate level should consult the Undergraduate Coordinator for approval of advanced literature and culture courses that may satisfy the requirements for the Language Citation.

The Language Citation in Bosnian, Croatian, or Serbian is available to students who complete SLA257H1, SLA277H1, and an additional FCE in South Slavic literature or culture with readings and discussion in the target language with a grade of at least B-. The Language Citation in Macedonian is available to students who complete SLA209H1, SLA213H1 and an additional FCE in South Slavic literature or culture with readings and discussion in the target language with a grade of at least B-. Consult the Undergraduate Coordinator for approval of advanced literature and culture courses that may satisfy the requirements for the Language Citation.

The Language Citation in Czech is available to students who complete SLA204Y1, SLA305H1, and SLA435H1 with a grade of at least B-.

The Language Citation in Polish is available to students who complete SLA206H1, SLA207H1, SLA306H1 and SLA336H1 with a grade of at least B-.

The Language Citation in Russian is available to students who complete, with a grade of at least B-, two FCEs: SLA220Y1, SLA320Y1, or SLA420Y1.

The Language Citation in Ukrainian is available to students who complete SLA208Y1 as well as one additional FCE at the 300 level or higher from among the Ukrainian courses. Transfer language credits also eligible.

Students should note that, as explained in the Language Citation section of the Degree Requirements chapter of this Calendar, the Language

Citation is not equivalent to an academic program and that enrolment in a program is not necessary in order to earn the recognition bestowed by the Citation.

## Slavic Languages and Literatures Courses

### Course listing order

Courses are listed in the following order:

- Interdisciplinary Courses
- Translation Courses
- Czech & Slovak
- Polish
- Russian
- South Slavic: Bosnian, Croatian, Macedonian, and Serbian
- Ukrainian

### Note

The Department reserves the right to place students in the language course best suited to their linguistic preparation

## Interdisciplinary Courses

### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### SLA102H1 Ukrainian and Russian Civilizations [24L]

A survey of major East Slavic civilizations through art, architecture, literature and religion. Includes the Scythians, whose battle skills and gold fascinated the ancient world; Kyivan Rus' and its princes, monks and martyrs; the rise of the Cossacks; and Peter the Great, founder of the Russian Empire and of St. Petersburg. Taught in English, all readings in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

### SLA104H1 Cities of the Mediterranean [24L]

This course examines the cultural history of Mediterranean ports and cities, with particular emphasis on Croatian cities in dialogue with cities in Italy and Greece, through works of art, architecture, and literature. Readings in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### SLA200H1 Culture and Politics in Europe [24L]

Introduction to the issues of the interaction between cultural expression and political life, with a historical focus on Central and Eastern Europe. The mutually influential relationship between artistic activity and political dynamics in modern societies is examined through literature, visual arts, drama, music, and film. Taught in English, all materials in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

# Slavic Languages and Literatures

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## **SLA201H1 Losing It [24L]**

How does one cope with loss, be it a nose, a leg, a pet, a name, a lover, a battle, a fortune, or one's sanity? Through literary texts from Central and Eastern Europe, we explore the trauma and poetics of losing, and the mechanisms of coping with and compensating for the lost object.

Taught in English, all readings in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA202H1 Jewish Communities in Slavic Countries [24L]**

Literature about the Jewish community in Slavic countries. How do these Jewish minorities perceive and identify themselves? How are they perceived by others? Taught in English, all readings in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **SLA203H1 Faking It [24L]**

The role of forgery in cultural, national, and personal identities. A scholar "discovering" an "ancient" manuscript, a noblewoman in disguise joining the army, an impostor conning a provincial town, a writer faking political loyalty. Literary texts from Central and Eastern Europe expose the porous boundaries between authenticity and lies, highlighting the artificiality and vulnerability of social and cultural conventions. Taught in English, all readings in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA214H1 Great Books of Central Europe [24L]**

Stealth powerhouses: quirky, unexpected works that transformed the ways fiction is written and appreciated. Books that defy expectations, define modernity, and remap empires and peripheries. Provocations to European tradition: Kafka, Gombrowicz, Apeck, Schulz, Khvylovyi, Krleža, and others. Readings in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA222H1 Forging Identities: The Roms of Central and Eastern Europe [24S]**

Both in popular culture and the headlines, Roma (Gypsies) are often depicted as either romantic or negative. Roma and Slavs have interacted for centuries and this course examines the history of that interaction with particular emphasis on linguistic and educational rights. Taught in English, all readings in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **SLA223H1 Crossroads of Europe I: Heroes, Villains, and Jesters [24L]**

Beginning with myth and legends of Medieval Central Europe and concluding with discourses of Enlightenment, we explore aspects of oral and written cultures, fine arts and architecture. The class examines myths, legends, and traditions of the region, which will help to illuminate similarities and divergences of several cultural trends.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA230H1 Golems and Robots on Stage and Screen [24S]**

Exploring the ways artificial creatures are presented on stage and on screen, this course introduces students to major issues in the study of theatre, cinema, and popular culture. Focus on case studies from Central and Eastern Europe. Taught in English, all readings in English.

Exclusion: SLA103H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA254H1 Stone Books to Sky Books: The Book as Institution, Commerce and Art [24L]**

Evolution of the book and printed media in Central and Eastern Europe: legends (and forgeries) of ancient letters, mediaeval illuminated manuscripts, forbidden and "supernatural" books, hand-written and painted books of modernist and avant-garde artists, books as a way of living and dying. Readings in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA255H1 Slavic Languages: Unity and Diversity [24L]**

The course introduces the student to the exploration of linguistic relations among Slavic languages and dialects, as well as to language contacts between Slavic and its neighbours. Language is viewed in connection with history, geography, mythology and religion, family and social structure, literature, and alphabets. Taught in English.

Prerequisite: First-year course of any Slavic language (cf. SLA101H1, SLA105Y1, SLA106Y1, SLA107Y1, SLA108Y1, SLA109Y1) or knowledge of a Slavic language

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **SLA256H1 Firebirds and Other Wonders: The World of Slavic Folklore [24L]**

An introduction to the comparative study of folk narratives – fairy-tales, legends, epics, from Russia, Central and Eastern Europe, and the Balkans. Topics include the structural and psychological analysis and interpretation of oral folk traditions; the cultural specificity of Slavic folklore; its adaptation and treatment in literature, music, and visual arts. Taught in English, all readings in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA267H1 Great Plays in Great Performances [24S]**

Focusing on great dramatic texts of Russia and Central Europe in the 19th and 20th centuries allows us to address the issues of dramatic form, theatre conventions, and performance practices while placing the texts in their rich cultural contexts. The interplay between literary and theatre and performance analysis returns us to some fundamental theoretical issues related to the questions about drama as an art form.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA299Y1 Research Opportunity Program**

Credit course for supervised participation in faculty research project.

Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **SLA301H1 Cities of Central Europe [24L]**

Urban cultures, cityscapes, and texts contrasted and connected: Vienna, Prague, Budapest, Cracow, Sarajevo, Odessa, and others.

Transformations of physical urban environments and their representations in literature, architecture, and art. Nineteenth century burgeoning modernization to post-communist fragmentation and the recycling of spaces, memories, and lives. Readings in English.

Prerequisite: Completion of 4.0 FCEs

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA302H1 The Imaginary Jew [36S]**

The course examines the genesis and evolution of the image of the Jew, central to all European cultures, from the theology and psychology of Christian anti-Judaism to their reflection in folklore, visual, plastic, and verbal arts, and to the survival of the imaginary Jew in secular forms.

Special attention is given to the Jews of Slavic and East European imagination. All readings are in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA303H1 Literary Imagination and Jewish Identity in Modern Europe [24S]**

An exploration of Central and East European authors writing in different languages but united by Jewish ancestry. We examine the responses of artists and intellectuals of Jewish extraction (Sholem Aleichem, Babel, Bialik, Heine, Kafka, Mandelstam, Sforim, Zhabotinskii, etc.) to cultural secularization and modernity. Taught in English. Readings in English.

Recommended Preparation: SLA302H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA318H1 City of Saints and Sinners: Kyiv through the Centuries [24L]**

Captivating and elusive: the "new Jerusalem," Yehupets, a "Slavic Pompeii" and frontier city. This course examines Kyiv through works of literature, visual arts, architecture, and popular culture that reveal Ukrainian, Russian, Jewish, and Polish versions of the city.

Gogol, Sholem Aleichem, Bulgakov, Vynnychenko, and many others.

Taught in English, all readings in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA325H1 Magic Prague (formerly SLA445H1) [24L]**

Inspired by Angelo Ripellino's "Magic Prague," this class explores Prague as a palimpsest of different genres in works by Jan Neruda, Franz Kafka, R.M. Rilke, G. Meyrink, G. Apollinaire, B. Hrabal and others. Selected secondary texts illuminate questions of literary cityscapes, center and margins, multiculturalism and nationalism and magic. Readings in English and for the specialists in the original.

Exclusion: SLA445H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA330Y1 Old Church Slavonic [48S]**

Structure and history. Reading and linguistic study of Old Slavonic texts.

Prerequisite: Permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA331H1 Universal Flowering: Synthesis of Arts, 1890s-1930s [24S]**

Synthesis of visual arts, music, and literature in the late Russian Empire-early Soviet Union. Baba Yaga's hut and levitating sculptures; symphony in words and the language of stars; from princesses and puppets to the first peeks into the fourth dimension. Kandinsky, Bely, Zamyatin, Malevich, and many others. Taught and read in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA333H1 Animated Film in Europe (formerly SLA233H1) [24L]**

Trends in the history of European animated film, focusing on Central and Eastern European cinematic traditions. Aesthetics of animated image and peculiarities of animation as an art form. Films are analyzed in their artistic, cultural and political contexts. Taught in English, English subtitles.

Exclusion: SLA233H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA380H1 Language, Politics, and Identity [24S]**

Examines the multi-faceted nature of languages by comparing issues of language contact and conflict in the former Soviet Union and in Central and Southeastern Europe. Explores issues such as language standards, language rights, language conflict, and linguistic identity.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **SLA395Y1 Readings in Slavic Literature [48S]**

This course examines a special topic in Slavic Literature. The topic varies from year to year. Consult the department for more details.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA396H1 Readings in Slavic Studies [24S]**

This course examines a special topic in Slavic Studies. The topic varies from year to year. Consult the department for more details.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **SLA398H0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **SLA399Y0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **SLA401H1 Great Ideas in Essay Form [24L]**

The essay: a prose form that observes, pursues and critiques ideas through exploratory techniques. Paradoxically characterized by a commitment to the personal and an orientation towards the public sphere, the essay challenges dogma, prejudice and conformity. Readings by Kiš, Milosz, Patoka, Benjamin, Lukács and Adorno (among others). Readings in English.

Prerequisite: Completion of a minimum of 8.0 FCEs

Distribution Requirement Status: Humanities

# Slavic Languages and Literatures

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Breadth Requirement: Creative and Cultural Representations (1)

## **SLA495H1 Aesthetics into Science [24S]**

A study of the major issues of general aesthetics from the vantage points of Russian Formalism and Prague Structuralism. The course provides students with a theoretical grounding in textual and cultural analysis, introducing them to the history of modern literary and cultural criticism and aspects of artistic conventions and innovations. Taught in English, readings in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA496H1 Prague School Semiotics of Drama, Theatre and Cinema in Contemporary Context [24P]**

Prague Linguistic Circle (founded in 1926) has informed a number of current theories of drama, theatre, and cinema. Many concepts of the Prague School semiotics provide tools how to analyze and address modern artistic trends even today. We will apply some of them to selected dramatic and cinematic works.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA498Y1 Independent Studies [TBA]**

A year-long research project (primarily for majors in Slavic POSTs) on an approved major topic in a Slavic literature or culture, or Slavic linguistics, supervised by one of the Department's instructors. Not eligible for CR/NCR option.

Prerequisite: Permission of the Department

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **SLA499H1 Independent Studies [TBA]**

A semester-long research project (primarily for majors in Slavic POSTs) on an approved major topic in a Slavic literature or culture, or Slavic linguistics, supervised by one of the Department's instructors. Not eligible for CR/NCR option.

Prerequisite: Permission of the Department

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **Bosnian, Croatian, Macedonian and Serbian Courses: Please see South Slavic Courses**

## **Czech and Slovak Courses**

### **SLA105Y1 Elementary Czech [96P]**

Grammar, composition, and conversation. Readings from Czech literature. Open only to students with little or no knowledge of the language.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **SLA204Y1 Intermediate Czech [96P]**

Using selected texts of diverse styles, this class surveys Czech grammar and introduces various aspects of syntax, composition and translation.

Special attention will be paid to oral practice.

Exclusion: SLA205H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **SLA215H1 Czech and Slovak Cultures [24L]**

Some of the most important features of Czech and Slovak cultural history are introduced in a survey of the national myths, traditions and cultural trends. (Offered every three years)

Exclusion: SLA215Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

### **SLA225H1 Czech and Slovak Cinema [24L]**

Czech and Slovak cinema of the sixties, generally known as the Czechoslovak New Wave, represents the ways the cinematographers viewed the past, examined the present and escaped into the world of fantasy. In addition, we will examine several theoretical, historical and cultural aspects of national culture and international cinematography.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **SLA305H1 Advanced Czech [48S]**

Morphology, syntax, composition and translation, oral practice.

Contemporary Czech texts representing diverse styles.

Prerequisite: SLA205Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **SLA335H1 Lifting the Iron Curtain: Czech Culture between 1960 and 1989 [24L]**

This class explores the subversive power of literary, cinematic, and theatrical experiments of the 1960s and confronts them with the development of Czech culture during the so-called normalization that lasted until 1989. Topics include literary texts, cinema, and fine arts at home and in exile. Taught in English, readings in English and in the original.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **SLA405H1 On the Waves of the Avant-garde and Beyond: Czech Literature of the 20th Century (formerly SLA405Y1) [24S]**

The experiments of the 1920s serve as a point of departure for studies in Czech culture from the early 20th century to the present artistic innovations. Readings include works by Jaroslav Seifert, Karel Teige, Karel apek, F. Langer, V. Nezval, M. Kundera, V. Linhartová and others. (Offered every three years). Readings in Czech.

Prerequisite: SLA305H1 or permission of the instructor

Exclusion: SLA405Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **SLA435H1 Readings in Czech and Slovak [24P]**

Texts of various genres representing several cultural epochs. Advanced students improve their reading skills.

For 2016 Winter: Václav Havel - a thinker, politician, and writer. Havel is one of the most complex European characters on political and theatrical stage. His multifaceted oeuvre includes essays, plays and speeches.

This class will approach the complexity of his oeuvre and explore his development as a writer, public figure and a politician in the context of the recent political, literary and cultural history.

Readings in English (Czech for majors).

Prerequisite: Permission of instructor

Exclusion: SLA435Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA465H1 Czech Short Story [24S]**

The course focuses on the topic of public places and private spaces in the works of 19th- and 20th-century Czech writers. A variety of texts by modern Czech authors are explored through the prism of contemporary narrative theory. Special attention to differences in styles and epochs. Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **SLA475H1 Modern Czech Drama [24S]**

This course explores the role of theatre and drama in Czech society by focusing on the most important modern Czech plays as well as on the concepts of the modern Czech theatre as represented by directors such as Burian, Honzl, Kreja and Radok. We will discuss seminal theoretical studies and topics such as dialogue, dramatic text, and puppet theatre. Taught in English, readings in English. Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **Macedonian Courses: Please see South Slavic Courses**

## **Polish Courses**

### **SLA106Y1 Elementary Polish [24L/72P]**

Basic vocabulary, essential morphology, simple sentence patterns. Regular language laboratory sessions. Reading of contemporary texts. Open only to students with little or no knowledge of the language. Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

### **SLA206H1 Intermediate Polish I [12L/36P]**

The goal of this course is to develop students' Polish language skills, such as speaking, listening, writing, and reading, using new methods of the second language acquisition at a lower intermediate level. Many elements of Polish culture are also examined in the context of language and communication through readings of original texts, which form the basis for class discussions. The course uses authentic Polish materials (newspapers, short stories, poems, radio programs, movies, and songs). Prerequisite: SLA106Y1 or permission of instructor  
Exclusion: SLA206Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

### **SLA207H1 Intermediate Polish II [12L/36P]**

This course is a continuation of SLA206H1. Develops speaking, listening, writing, and reading Polish language skills. Many elements of Polish culture are examined through readings of original texts, listening to Polish programs and songs, watching films and TV programs, which form the basis for class discussions. Prerequisite: SLA206H1 or permission of instructor  
Exclusion: SLA206Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

### **SLA216H1 Introduction to Polish Culture [24L]**

Major cultural traditions, historical processes, myths, and figures that have shaped and redefined Polish civilization and national identity are problematized and contextualized with the help of works of literature, history, philosophy, political science, music, visual and performing arts. Readings in English (also available in Polish). (Offered in alternate years) Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

### **SLA226H1 Film and ethics: Polish Cinema [24L]**

The Polish School in cinema, its predecessors and successors, their artistic accomplishments, major theoretical and thematic concerns, and their place on the map of European cinema. Films of Ford, Wajda, Polanski, Konwicki, Borowczyk, Has, Kawalerowicz, Zanussi, Kieslowski, and of the new generation of Polish film makers. Films and discussions in English. (Offered every three years) Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

### **SLA266H1 War and culture [24S]**

Poland and Europe 1914-1945. As we commemorate the centenary of the outbreak of WWI, this cataclysmic event that launched the 20th century and was followed by another total war soon after still defines our view of the world and understanding of it. It may be time now to look anew at how various forms of expression, including literature, film, theatre, painting and sculpture produced during the two wars, between them or many decades later deal with the extreme and everyday experiences, with shattered worlds of individuals, ethnicities, and nations. Prerequisite: SLA216H1 or permission of the instructor  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

### **SLA306H1 Advanced Polish I [48P]**

The course uses diverse and intensive speaking, listening, writing, and reading methods and materials. It introduces more complex elements of Polish culture through reading of original literary texts and texts of popular culture, as well as through analyzing other discourses. These materials form the basis for class discussions and home assignments. Students expand their Polish vocabulary (including phraseology) and learn about word and sentence structure. The course also focuses on improving writing skills. Prerequisite: SLA206Y1 or SLA207H1 or permission of instructor  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

### **SLA336H1 Advanced Polish II [48P]**

Continuation of SLA 306H1. It uses a wide variety of methods and materials to polish and finesse the skills acquired in the previous courses or brought to class from other sources. It is an intensive writing course focused on improving writing skills. Prerequisite: SLA306H1 or permission of instructor  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

### **SLA346H1 Communism and Culture [24S]**

Probes the paradoxes of politics, culture and everyday life by analyzing the complex coexistence of art and literature with changing cultural politics in a totalitarian and post-totalitarian system, with simplistic ideology and political dissent, and with prevailing myths about the West and the East. Readings in English (Polish for majors). Recommended Preparation: SLA216Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

### **SLA356H1 What's New? Polish Culture Today [24S]**

The amazing cultural transformations of Poland in the last fifteen years within a changing Europe. The impact of these changes on Poland's social consciousness and perception of identity, history, and nationhood. The most recent literature, fine arts, music, and popular culture. Readings in English (Polish for majors). Recommended Preparation: SLA216Y1  
Distribution Requirement Status: Humanities

# Slavic Languages and Literatures

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA406H1 Transgressions: Drama, Theatre, Performance [24S]**

Study of drama as a literary and theatrical genre in its thematic and formal diversity in Polish literature from the 16th to the 20th century is combined with investigations of the role of the theatre as cultural institution in different periods of Polish history. Readings in English (in Polish for students in the major program). (Offered every three years)

Exclusion: SLA406Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA426H1 Polish for the 21st Century [48P]**

Polish language course for heritage speakers and advanced students who want to master the language through interactions with broad and diverse cultural materials such as mass and popular culture, contemporary literature, film, and theatre, mass media and the Internet.

Prerequisite: SLA306H1, SLA336H1 or permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA427H1 Seminar in Polish Culture [24S]**

The fourth year seminar whose specific topic is decided depending on the needs of the students and the interests of guest and permanent instructors.

Prerequisite: SLA216Y1 or permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA436H1 Rebels, Scoffers, and Jesters: Polish Culture from Different Perspectives [24S]**

An advanced course on artistic, political, aesthetic, philosophical, and ideological dissenters who questioned, undermined, and redefined the main traditions in Polish culture from the 18th to the 21st centuries. Readings in English (Polish for majors).

Prerequisite: SLA216Y1

Recommended Preparation: SLA336H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## Russian Courses

### **Russian language student placement policy**

1. **All students** who have studied Russian outside the University of Toronto must take a language placement test prior to enrolling into a Russian language course. Contact the Department for test dates and times.
2. **Native speakers** of Russian are not allowed to enroll into any Russian language course, with the exception of SLA402/403 and linguistics courses (SLA330, SLA452). Native speakers may enroll into any Russian literature and culture course, and any Russian language and literature POST (language requirement will be replaced with the equivalent number of literature and culture FCEs in consultation with the Undergraduate Coordinator).
3. **Heritage speakers** of Russian are allowed to enroll into a Russian language course only by special permission from the Russian language program coordinator, Prof. Julia Mikhailova (julia.mikhailova@utoronto.ca). Heritage speakers may enroll into any Russian literature and culture course, and any Russian language and literature POST (if necessary, language requirement will be replaced with the equivalent number of literature and culture FCEs in consultation with the Undergraduate Coordinator).
4. **Who are native and heritage speakers of Russian?**  
For academic purposes, the Department considers a student to be a

native speaker of Russian if s/he meets one of the following criteria:

- a) The student left Russia at the age of 10 or later.
- b) The student lived in a Russian-speaking country (any former Soviet republic) before the age of 10 and did elementary schooling in Russian.

For academic purposes, the Department considers a student to be a heritage speaker of Russian if s/he meets one of the following criteria:

- a) The student left Russia before the age of 10.
- b) The student lived in a Russian-speaking country (any former Soviet republic) before the age of 10 but did elementary schooling in a language other than Russian.
- c) The student was born and/or grew up outside of a Russian-speaking country but speaks some Russian at home.

It is the responsibility of individual students to furnish documentation proving their native- or heritage-speaker status. In the absence of such documentation, the Department reserves the right to deny enrolment into Russian language courses. Heritage and native speakers of Russian who enroll in a Russian language course and fail to identify themselves to the Department engage in cheating and will be treated in accordance with the university policy on academic misconduct.

## **SLA100H1 Elementary Russian I [60P]**

Basic features of the grammar. Acquisition of essential vocabulary for practical conversation and for comprehension. Development of reading and writing skills. (May not be taken by students who, in the judgment of the Department, qualify for entry into SLA210H1 or SLA220Y1).

Exclusion: native speakers of Russian

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA101H1 Elementary Russian II [60P]**

Basic features of the grammar. Acquisition of essential vocabulary for practical conversation and for comprehension. Development of reading and writing skills. (May not be taken by students who, in the judgment of the Department, qualify for entry into SLA210H1 or SLA220Y1).

Prerequisite: SLA100H1 or permission of instructor

Exclusion: native speakers of Russian

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA121H1 Russian Cultural History in Twelve Images [24L]**

Russian Cultural History in Twelve Images An introductory survey of Russian cultural history through key images, exploring the historical, intellectual, artistic, and mythical significance of these images in Russian cultural identity and in foreign perceptions. Among the images are: Rublev's "Trinity," The Bronze Horseman, the Cathedral of Christ the Savior, and Tatlin's Tower. Taught in English, readings in English. No prior familiarity with Russian language or culture is expected.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA210H1 Russian for Heritage Speakers [48P]**

This course is designed for students with Russian background, students raised in homes where Russian is/was spoken, who speak or merely understand basic Russian but are otherwise illiterate in Russian (cannot/have difficulty reading or writing). This course helps heritage learners of Russian develop/maintain writing and reading skills as well as develop cultural literacy. **(Online course in 2011-2012).**

Prerequisite: Permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA211H0 Russian in Action [48P]**

Emphasis on expansion of vocabulary, developing conversational and listening skills, and intensive practice in real-life situations. Offered as part of Summer Program in Russia. Not eligible for CR/NCR option.

Prerequisite: SLA101H1 or SLA210H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA212H1 The Russian Novel [24L/12T]**

Introduction to the Russian novelistic tradition at the height of its creative power. We examine the Russian novel's universal appeal and influence, and its impact on modern art and thought. Authors may include (depending on instructor) Gogol, Turgenev, Dostoevsky, Tolstoy, Belyi, Nabokov, Pasternak, Solzhenitsyn. Taught and read in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA220Y1 Intermediate Russian [120P]**

Continuation of development of proficiency in speaking, reading, listening and writing. Review the basic and learning of new grammatical and syntactical structures, study of word formation and acquisition of active vocabulary. Reading of classical, contemporary, adapted, and non-adapted literary and mass-media texts. Culture and listening through animation.

Prerequisite: SLA101H1

Exclusion: native speakers of Russian, including SLA210H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA231H0 Special Topics in Russian Studies [TBA]**

Usually offered during the summer through the Woodsworth Summer Abroad program. Content varies from year to year based on instructor. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **SLA234H1 Russian and Soviet Cinema [12L/24P]**

A survey of the Russian cinematic tradition from its beginnings through the first decade following the disintegration of the USSR. The course examines the avant-garde cinema and film theory of the 1920s; the totalitarian esthetics of the 1920s-1940s and the ideological uses of film art; the revolution in film theory and practice in the 1950s-1960s; cinema as medium of cultural dissent and as witness to social change. Students also acquire basic skills of film analysis. Taught in English, all films subtitled in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA242H1 The Novel and the Family in the Nineteenth Century [24S]**

The course examines the development of the nineteenth-century European novel in terms of changing representations of the family, with the Russian literary tradition as a case study. Topics include the aristocratic family, illegitimacy, adultery, social and political conflict, and the family as locus of inherited madness, degeneracy, and criminality. All readings in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA344H1 Studies in Film Genre: Russian and Soviet Approaches [12P/24S]**

An examination of the understanding and practice of film genre in Russian and Soviet cinema. Various genres and generic hybrids –comedy, melodrama, action, war, horror, fantasy, etc. –are studied in the context of critical literature on the problem of film genre and against the backdrop of international cinematic traditions. Taught in English, all films subtitled in English.

Recommended Preparation: CIN105Y1, SLA234H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA245H1 The Golden Age of Russian Literature [24L]**

A survey of Russian literature from 1820-1900. Topics include: Romanticism and Realism; the myth of St. Petersburg; the Russian Empire and its borders; the individual and society; man and nature; the "woman question"; freedom and rationality. Readings may include: Pushkin, Lermontov, Gogol, Goncharov, Tolstoy, Turgenev, Dostoevskii, Saltykov-Shchedrin, Chekhov. Taught and read in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA246H1 Russian Modernism [24L]**

Artistic and intellectual life from the late 1880s until 1940. Topics include: Russia's fin-de-siècle culture in European context; the main aesthetic and philosophical trends (Decadence, Symbolism, Futurism, etc.); experiments with narrative and genre in the prose of the 1910s-30s, in Russia and in emigration; conservative reactions to modernism; the modernist strategies of survival. Taught and read in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA252H1 Russian Short Fiction [12T/24S]**

An exploration of the elements of the short story through close readings of works by 19th and 20th century writers. Stories in translation by Pushkin, Gogol, Turgenev, Dostoevsky, Chekhov, Olesha, Babel, and others. All readings in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA263H1 Studies in Russian-French Cultural History [24L]**

A survey of Russian-French intellectual, literary and artistic contacts and mutual influences, from the 18<sup>th</sup> through the 20<sup>th</sup> centuries. Topics may include: transnational circulation of genres, styles, aesthetic programs, philosophical concepts, and political ideas; cultural tourism; cultural appropriation and misreading; direct contacts between French and Russian intellectual and artistic elites. Taught in English by a group of instructors. All readings in English. Students who read French and/or Russian are encouraged to read in the original.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **JSH300H1 Literature and History in Russia [24L]**

History and Literature were always interconnected in Russia. Writers not only sought to reflect the society around them, but were themselves often social critics and political figures. The course examines key texts in Russian literary tradition both as works of art and as primary sources for the historian. All readings in English.

Recommended Preparation: HIS250H1/HIS250Y1 or SLA240H1/SLA241H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

# Slavic Languages and Literatures

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## **SLA311H1 Gogol [12L/12S]**

Fantastic and grotesque works by the most hilarious, obsessive, and delusional character in Russian literature, who teased, fascinated, and polarized readers. Gogol's writings are examined through various theoretical approaches. Includes cinematic (Taras Bulba, Viy, Overcoat) and musical (Shostakovich's "Nose") re-creations of Gogol's works. Taught in English, all readings in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA312H1 Nabokov [24S]**

A study of Vladimir Nabokov's novels written in Europe and the United States. Special attention is paid to the nature and evolution of Nabokov's aesthetics; the place of his novels in European and American literary traditions; Nabokov's creative uses of exile to artistic, philosophical and ideological ends; the aesthetic and cultural implications of the writers' switch from Russian to English. Novels studied: Defense, Despair, The Gift, The Real Life of Sebastian Knight, Lolita, Invitation to a Beheading, Pale Fire. Taught in English, all readings in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA314H1 Dostoevsky [24L]**

Crime and Punishment, The Brothers Karamazov, and short works. Dostoevsky's political, psychological, and religious ideas as they shape and are shaped by his literary art. Readings in English. Taught in English, all readings in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA317H1 Tolstoy [24S]**

War and Peace or Anna Karenina, and some shorter works. Tolstoy's political, psychological, and religious ideas as they shape and are shaped by his literary art. Taught in English, all readings in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA320Y1 Advanced Russian [120P]**

A survey of Russian culture and history of the 20th century through non-adapted readings and film. Development of advanced speaking, reading, listening and writing skills on a wide variety of topics. Work on grammar and vocabulary building. Subordinate and relative clauses, aspect, verbs of motion, participles and gerunds. Class is conducted primarily in Russian.

Prerequisite: SLA220Y1 or permission of instructor

Exclusion: native speakers of Russian, including SLA210H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA321H1 Conversational Russian [36P]**

Expansion of vocabulary and development of conversational skills. Discussion of a variety of topics (history, culture, art, politics, law, social and economic problems, contemporary events). Class is taught in round-table format.

Prerequisite: SLA220Y1 and permission of instructor

Exclusion: Native speakers of Russian

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA322H1 News from Russia [24P]**

Language, life and the media in contemporary Russia. The course will be based on reading Russian newspapers, listening to Russian media, and discussing contemporary events in Russia.

Prerequisite: SLA220Y1

Exclusion: Heritage and native speakers of Russian

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA323H1 The Mysteries of Russian Revealed [12P/12S]**

This course introduces Russian's sounds, structures, and alternations.

Russian's tricky morphologic alternations and their historical causes are explored while students master the hidden encoding of forms through study of the writing system, root structures, and variation.

Prerequisite: SLA220Y1 or permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA342H1 Theatricality and Spectacle in the History of Russian Culture: From Jesters to Meyerhold [24S]**

We will study Russian public spectacles from the eighteenth century imperial court festivities all the way through the Revolutionary festivals of the 1920s. We will also look at the 2003 celebration of the 300 year anniversary of St. Petersburg and the 2014 Sochi Olympics. Special emphasis on those figures who influenced twentieth century theatre and film in the West (such as Konstantin Stanislavsky, Vsevolod Meyerhold, Sergei Diaghilev). All readings in English. No knowledge of Russian required.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA343H1 Studies in Late Soviet Culture [24L]**

A survey of artistic and intellectual life in the USSR from the post-Stalinist "Thaw" period to the collapse of the Soviet empire and its cultural aftermath in the 1990s. Topics include: the recovery of suppressed cultural memory; the fluid boundaries between official and unofficial cultures; internal and external exile; Aesopian language; alternative modes of creation and dissemination (samizdat, tamizdat, unauthorized exhibitions and concerts, etc.); Russian conceptualism and post-modernism. Taught in English, readings in English.

Recommended Preparation: SLA245H, SLA246H

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA351H1 Language Practice [TBA]**

A practical course in Russian phonetics. Development of pronunciation skills. For students of all levels excluding native and heritage speakers.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA367H1 Chekhov [24S]**

Selected stories, plays; stylistic, structural, and thematic analysis, literary and historical context, influence in Russia and the West. Taught in English, all readings in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)



## **SLA400H1 Studies in Medieval Russian Literature [24S]**

Explores the development of the types of writing (e.g. chronicles, vitae, epics, tales, poetry) used to capture the cultural, political, religious, and aesthetic experiences of Mediaeval Rus' from the 11th to 17th century. Readings in English. Where appropriate, majors will read some excerpts in the original.

Recommended Preparation: Some reading knowledge of Russian desirable but not required

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA410H1 Russian for Heritage Speakers II [48P]**

The course helps advanced heritage learners further to develop their active command of Russian. Special focus on speaking and writing skills, as well as cultural competence. Taught in Russian, all materials in Russian.

Prerequisite: SLA210H1 or permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA412H1 History of Russian [24P]**

Historical phonology, morphology, accentuation of Russian in its East Slavic context. Further topics include dialectology and historical

syntax. Readings of a variety of Old Russian-East Slavic texts in the original.

Prerequisite: Permission of instructor.

Recommended Preparation: Good reading knowledge of Russian and/or SLA 320Y (Advanced Russian).

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA413H1 Pushkin [24S]**

Select lyrical poetry, narrative poems, drama, and prose. Topics may include: poet and society; poetry, nation, and empire; Pushkin's life, death, afterlife, and cultural mythologies; Pushkin in visual arts, music, and film. Readings in Russian.

Prerequisite: SLA 320 or permission of the instructor.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA415H1 Studies in Russian Literature of the 18th Century [36S]**

The prose, poetry and dramaturgy of the most prominent literary figures of the eighteenth century, including Karamzin, Lomonosov, Fonvizin, Derzhavin and Krylov; aspects of literature during the reign of Peter I; literature and satirical journalism during the reign of Catherine II. (Taught in Russian)

Prerequisite: Permission of the instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA420Y1 Studies in Russian Syntax and Stylistics [120P]**

Syntactic structures and their relation to meaning and style, word order, intonation. Consolidation of morphology, vocabulary building through extensive reading. Translation, composition, and oral practice.

Prerequisite: SLA320Y1 or permission of instructor

Exclusion: native speakers of Russian, including SLA210H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **SLA423H1 War and Peace [36S]**

War and Peace in depth, and from various points of view, literary, political, philosophical, historical, and psychological. Various critical approaches; cognate literary works. Students are expected to have read the novel before the course begins. Readings in English.

Recommended Preparation: SLA317H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA424Y1 Introduction to Russian Poetry and Poetics [48S]**

A study of the main principles of Russian prosody (meter, rhythm, rhyme, phonetic instrumentation, verse, stanza, genre) in relation to the creation of meaning in a poetic text. The formal aspects of Russian versification are examined in their historical evolution from the 18th century to the present, in both "classical" and "experimental" poetic modes. Taught in Russian, readings in Russian and English.

Prerequisite: SLA320Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA430H1 Advanced Russian Writing Skills [48P]**

The course will support students in gaining proficiency in presentational mode and in improvement of language competence for communication in academic contexts. Students will elevate their skills to the advanced level. Emphasis is on grammatical structures, syntax, lexicon, content organization, construction of complex presentation and expression of scholarly ideas and critical thought with accuracy and consistency in use of the Russian language. Offered online only.

Prerequisite: SLA320Y1 or SLA210H1

Recommended Preparation: Advanced reading, writing, listening ability in Russian.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

Available Online: consult Faculty or Graduate Unit for details

## **SLA433H1 Anna Karenina (formerly SLA324H1) [36S]**

Anna Karenina in depth, and from various points of view, literary, political, philosophical, historical, and psychological. Various critical approaches; cognate literary works. Students are expected to have read the novel before the course begins. Readings in English.

Exclusion: SLA324H1

Recommended Preparation: SLA317H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA434H1 Dostoevsky in Literary Theory and Criticism [24S]**

Explores Dostoevsky's works through the lens of Russian and Western novel theory. Theorists include: Viacheslav Ivanov, Georg Lukacs and Mikhail Bakhtin. Topics include: genre, history and modernity; the novelistic narrator; novelistic plot; novelistic narrative; time and space; the generic history and prehistory of the novel; the novel and the self; the novel's relation to the present; novelistic subgenres including the *Bildungsroman*; the novel's simultaneous status as fragment and totality; and the particular and the universal in novelistic representation. Taught in English, readings in either Russian or English.

Recommended Preparation: SLA314H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

# Slavic Languages and Literatures

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## **SLA449H1 Russian Thinkers [36S]**

Social and political change, national and spiritual destiny in philosophical, journalistic and critical writings. From Slavophiles and Westernizers to revolutionary and apocalyptic thought. Reflections on Russia's position between Europe and Asia and on the place of Russia's East Asian neighbors in its history and culture. Taught in English, readings in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **SLA463H1 Themes in Russian Realism [24L/12S]**

What is distinctive about Russian realism? The course will examine nineteenth century Russian realist fiction in relation to various theoretical approaches, from Erich Auerbach to Roman Jakobson. We will read contemporary works of criticism and thought from Russia and Europe that may have influenced it.

Prerequisite: The equivalent of one FCE in literature

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **South Slavic Courses**

### **SLA107Y1 Elementary Bosnian, Croatian, and Serbian [96P]**

Basic phonology, orthography, morphology and syntax of Bosnian, Croatian and Serbian. Development of the four basic language skills: reading, writing, listening, and speaking. Acquisition of essential vocabulary for practical conversation and for comprehension.

Exclusion: native speakers of BCS, SLA257Y1, SLA237Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **SLA109Y1 Elementary Macedonian [96P]**

The basic features of the grammar of the Macedonian literary language. Acquisition of essential vocabulary for practical conversation and for comprehension. Development of reading and writing skills. Open only to students with little or no knowledge of the literary language. (Offered in alternate years).

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **SLA209H1 Intermediate Macedonian [48P]**

This course completes the basics of Macedonian grammar including the wide variety of past tenses, complex sentence structures, and word formation.

Prerequisite: SLA109Y1 or permission of instructor

Exclusion: SLA209Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **SLA213H1 Reading Macedonia: A Cultural Exploration [48P]**

This course explores Macedonian culture as read through its literature, film, cuisine, music, folklore, architecture, and new media.

Prerequisite: SLA209H1 or permission of instructor

Exclusion: SLA209Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA217H1 Cultural History of the South Slavs [24L]**

The Balkans, described as a bridge between the East and the West, are a fascinating case study of Byzantine, Ottoman and Austro-Hungarian colonial legacy. This course presents the evolution of South Slavic cultural life under foreign rule. Topics of study include the Renaissance, Enlightenment, Romanticism, among others. Readings in English.

Exclusion: SLA217Y1, SLA227Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA227H1 South Slavic Literature: National Revival and Beyond [24L]**

A survey of national revival and consolidation in Serbia, Croatia, Slovenia and Bosnia through a chronological selection of literary texts (poems, plays, novels) from the eighteenth to the twentieth century. The course places South Slavic literary developments within the broader context of European intellectual history as well as Balkan cultural and political life. Taught in English, all readings in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA247H1 Yugoslav Cinema [24L]**

An overview of the Yugoslav cinematic tradition from the 1950s onwards. Topics include Yugoslav film-making in the context of the European New Wave; cinema d'auteur (Makavejev, Pavlovi, Kusturica); art and politics in a communist state; the struggle of experimentalism and traditionalism. Taught in English. All films with subtitles.

Exclusion: SLA427H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA257H1 Intermediate Bosnian, Croatian, and Serbian I [48P]**

Systematic study of morphology and syntax. Intermediate composition and oral practice. Reading and translation of contemporary and more complex texts in BCS.

Prerequisite: SLA107Y1 or permission of instructor

Exclusion: SLA257Y1, SLA307Y1, SLA316Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA277H1 Intermediate Bosnian, Croatian, and Serbian II [48P]**

Continuation of SLA257H1. Systematic study of morphology and syntax. Intermediate composition and oral practice. Reading and translation of contemporary texts in BCS.

Prerequisite: SLA257H1 or permission of instructor

Exclusion: SLA257Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA258H1 History of Croatian Culture [24L]**

A survey of Croatian culture in literature, science, philosophy, and the fine arts. Topics include: the legacy of the Roman Empires; the medieval Croatian states; the Dalmatian Renaissance and Baroque; Humanism and Reformation; and national rebirth and Romanticism. Taught in English and readings in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA259H1 Special Topics in Croatian Literature [24L]**

An overview of Croatian literature from the middle ages to the present day, including drama, poetry and prose. Course follows a chronological order and focuses on the central currents in the literary history of Croatian literature. All classes and readings in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA327H1 The Balkan Short Story [24S]**

Studies of short stories written since 1950. Focus on innovative writers and current trends. Readings in the original and English.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA337H1 Advanced Bosnian, Croatian, and Serbian [48P]**

Morphology, syntax, composition and translation, oral practice. Extensive reading, translation and analysis of contemporary Bosnian, Croatian and Serbian texts representing diverse styles.

Prerequisite: SLA257Y1 or permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA347H1 Advanced Croatian I [48P]**

Systematic study of morphology and syntax. Advanced composition and oral practice. Reading and translation of non-adapted texts in Croatian, focusing on contemporary literature and media.

Prerequisite: SLA257Y1 or permission of instructor

Exclusion: SLA347Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA348H1 Advanced Croatian II [48P]**

Continuation of Advanced Croatian I. Systematic study of morphology and syntax. Advanced composition and oral practice. Reading and translation of non-adapted texts in Croatian, focusing on contemporary literature and media.

Prerequisite: SLA347H1 or permission of instructor

Exclusion: SLA347Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA357H1 Yugoslavia's Literary Émigrés and Exiles [24S]**

This course explores the experience and definition of exile in the works of South Slavic authors; from Miloš Crnjanski's depiction of London to Danilo Kiš's Parisian affair, and Dubravka Ugrešić's weary travels in Berlin. We examine a variety of literary genres in light of exile studies theory. Taught in English. Readings in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **Ukrainian Courses**

Web site: [www.chass.utoronto.ca/~tarn/courses/](http://www.chass.utoronto.ca/~tarn/courses/)

## **SLA108Y1 Elementary Ukrainian [96P]**

Basic vocabulary, simple sentence patterns, essential morphology. Internet language laboratory drills. Intended for students with little or no knowledge of the language.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA208Y1 Intermediate Ukrainian [96P]**

Study of morphology through grammar drills; oral practice; reading of texts from Ukrainian literature.

Prerequisite: Permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA218Y1 Ukrainian Literature and Culture [24L/24S]**

A general survey of Ukrainian culture through an examination of selected literary works and their social, political, historical, philosophical, and aesthetic contexts. The course covers the period from Kyivan Rus to the present. Readings in English. (Offered in alternate years)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

## **SLA228H1 20th Century Ukrainian Fiction in Translation [12L/12S]**

A selection of twentieth century Ukrainian novels and short prose in English translation. From the avant-garde intellectual novel of the 1920s, through socialist realism, to the post-modernist prose of the 1990s.

Authors include Pidmohylny, Antonenko-Davydovych, Honchar, Shevchuk, Andrukhovych and Zabuzhko.

Recommended Preparation: any course in literature

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA238H1 Literature of the Ukrainian-Canadian Experience [24S]**

A selection of literary texts depicting the experience and perceptions of Ukrainians in Canada from the first immigrants to the present. Texts include works originally written in English, French and Ukrainian, but all readings are in English. Authors include: Kiriak, Kostash, Ryga, Galay, Suknaski, Kulyk Keefer.

Recommended Preparation: any course in literature

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA248H1 Women and Women's Themes in Ukrainian Literature [24S]**

This course examines the presentation of women and women's themes in works of Ukrainian literature. The subjects covered include: role models, freedom, socialism, nationalism, feminism, and sexuality.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA328H1 The Culture of Contemporary Ukraine [24S]**

Contemporary Ukraine is an amalgam of various cultural traditions. This course examines its languages, religions, nationalities, literature, cinema, arts, print and broadcast media, regions, education, and social groups. Special attention is given to the factors that influence public perceptions of identity. All readings are in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA338H1 Ivan Franko [24S]**

Ivan Franko is one of the most important and innovative figures in the history of Ukrainian literature. This seminar explores a selection of the belletristic writings by this fascinating and prolific poet and novelist in the context of Ukrainian culture and politics in the Austro-Hungarian Empire. Taught in English. All readings are in English.

Recommended Preparation: Previous coursework in Ukrainian literature, e.g. SLA218

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

# Slavic Languages and Literatures

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## **SLA358H1 Breaking Away from Empire: Ukrainian Fiction Since Independence [24S]**

This course traces the extraordinary development of Ukrainian prose since the collapse of the Soviet Union. We will explore post-modernist uphoria, colonial angst, cultural entropy, hooliganism, national identity, gender issues, and other aspects of modern Ukraine. All readings in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA408H1 The Ukrainian Short Story [24S]**

The development of the short story from Kvitka-Osnovianenko to the present day. All readings in the original. (Offered every four years)

Prerequisite: Permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA428Y1 The Ukrainian Novel [48S]**

Major works by Kulish, Nechui-Levytsky, Myrny, Franko, Kotsiubynsky, Kobylanska, Vynnychenko, Ianovsky, Pidmohylny, Honchar, Andrukhovych, and Zabuzhko. Readings in Ukrainian. (Offered every four years)

Prerequisite: Permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA429H1 Shevchenko [24S]**

A critical study of Taras Shevchenko. Life, works, and significance. Readings in Ukrainian.

Prerequisite: Permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA458H1 Ukrainian for the 21st Century [36S]**

This course introduces students to contemporary Ukrainian using approaches beyond grammar and traditional classroom interaction. Emphasis is on the enhancement of language skills in the context of contemporary Ukraine. Students develop practical skills based on traditional media as well as on multimedia resources, including those of the Internet.

Prerequisite: Permission of instructor

Recommended Preparation: SLA208Y1, SLA308Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA287H1 Deceptive Splendors: The European South in Literature and Film [24S]**

This class investigates the tropes associated with the European south (including the Balkans and the Mediterranean) as it figures in collective northern fantasies –eternal sun, exuberant passion, intransigent honor –and the more somber themes that they obscure including: economic crises, social inequalities, political exploitations, identity conflicts. The course assesses how such issues are represented, addressed, negotiated and symbolically resolved in film and literature.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SLA377H1 Post-socialism in Literature and Film [24S]**

This course examines the era inaugurated by the collapse of the state-socialist regimes in the former Eastern Bloc, marked by political turmoil, major economic restructuring, and social ambivalences. The course investigates topics such as: socialist legacy and nostalgia, mass emigrations and refugee crises, conflicts over national identity and borders, sociocultural anxieties about inclusion in the EU, perspectives on the future of socialist thought and practice in Eastern Europe.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## Faculty

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### Professors Emeriti

B. Baldus, Dr. Sc Pol  
 Y.M. Bodemann, Ph D  
 A.R. Gillis, Ph D  
 E.B. Harvey, Ph D  
 N.L. Howell, Ph D  
 M.J. Kelner, Ph D, LL D  
 D.W. Magill, Ph D (N)  
 H.M. Makler, Ph D  
 W.M. Michelson, Ph D, FRSC  
 J. Myles, Ph D, FRSC  
 I.M. Zeitlin, Ph D (T)

### Professor and Chair of the Department

S. Schieman, Ph D

### Assistant Professor and Associate Chair (Undergraduate Studies)

C. Caron, Ph D

### Professor and Graduate Chair of the Department

M. Milkie, Ph D

### Professor and Associate Chair (Graduate Studies)

J. Hannigan, Ph D

### Professors

R.C.A. Andersen, Ph D  
 M. Boyd, Ph D, FRSC  
 J. Bryant, Ph D  
 R. Brym, Ph D  
 B.H. Erickson, Ph D  
 B. Fox, Ph D  
 C.L. Jones, Ph D  
 C. Kruttschnitt, MS, Ph D  
 I. Peng, Ph D  
 J.G. Reitz, BS, Ph D, FRSC  
 S. Schieman, Ph D  
 L. Tepperman, Ph D (N)  
 S. Welsh, Ph D  
 B. Wheaton, Ph D

### Associate Professors

B. Berry, Ph D  
 A.I. Green, Ph D  
 Y. Lee, Ph D  
 R. Levi, BCL, LLB, LLM, SJD  
 W.J. Magee, MS, Ph D  
 J. Taylor, PhD  
 J.W.P. Veugelers, Ph D

### Assistant Professors

I. Boeckmann, Ph D  
 J.K. Lee, MA, Ph D  
 V. Leschziner, Ph D  
 A. Marin, Ph D  
 K. Pernel-Gallagher, Ph D  
 M. Schafer, MS, Ph D  
 G. Wodtke, Ph D

### Assistant Professors, Teaching Stream

C. Caron, Ph D  
 R. La Touche, MA

## Introduction

Sociology's key principle is that patterned social relationships create opportunities for, and place constraints on, human action. The influence of this idea is widespread. New research agendas in law, literature, economics, and other disciplines reflect the notion that beyond individual motives, goals, values, beliefs and emotions, patterned social relationships help to make us who we are. Our courses and faculty research examine how patterned social relationships shape and are shaped by gender roles and families; health; immigration and ethnic relations; labour markets, work and social inequality; political structures and processes; crime, law and deviance; culture; cities; and networks, and communities.

To test explanations regarding the influence of social relationships on various aspects of human behaviour, sociologists collect and analyze observational, survey, experimental, and historical data. Accordingly, the sociological perspective and the research skills learned by studying sociology prepare students for a wide variety of careers in industry, government, education, politics, health and journalism. Medical, legal, and environmental fields report an increasing need for sociologists. Municipal, provincial and federal governments hire in areas like urban sociology, community relations, policy and planning, and statistical analysis. In private business, sociologists work in management consulting firms and polling organizations, as well as in labour relations and human resources.

A professional career in sociology requires training beyond the undergraduate level. However, the critical, analytical and research skills that undergraduate sociology students learn open many employment opportunities. Over a third of Canadian undergraduates in sociology go on to be employed in business, finance and administrative occupations, and just under a third in government service, social science, and educational fields.

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Enquiries: 416-978-3412 (choose option 2)

Undergraduate Program Information and Course Descriptions: available at <http://www.utoronto.ca/sociology>

## Sociology Programs

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Enrolment in sociology programs is limited (Type 2L). Consult the Arts & Science Program Enrolment web site for application procedures.

**NOTE:** Obtaining 65% or more in SOC101Y1 or a combined average of 65% or more in SOC102H1 and SOC103H1 is required for entry into the sociology major and minor programs. Entry to the sociology specialist program at the end of the first year requires a minimum of 80% in SOC101Y1 or a minimum combined average of 80% in SOC102H1 and SOC103H1. **Achieving the minimum grades does not guarantee acceptance into the programs. Credit for higher-level SOC courses will not waive these requirements.**

## Sociology Specialist (Arts program)

(10 FCEs in Sociology)

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's mark (minimum average of 70% on two of 3 SOC courses (SOC200H1, SOC201H1 or SOC203H1). **Achieving the 70% minimum mark does not guarantee admission to the program in any given year.**

Students interested in the Specialist program normally apply and enter from the Major program, after having completed the Year 2 requirements of that program as below. Students demonstrating exceptional interest and achievement in the Introductory course may enter at the end of Year 1.

**NOTE: Students cannot combine a Sociology Specialist program with another Sociology program (Major or Minor) for their degree.**

Entry Requirements:

From the Major program:

1. A minimum average of 70% on two of the following 3 SOC courses: SOC200H1, SOC201H1 or SOC203H1
2. At least one additional FCE at the SOC200+ level

From Year 1:

A minimum grade of 80% in SOC101Y1 or a minimum combined average grade of 80% in SOC102H1 + SOC103H1

Completion Requirements:

1. SOC101Y1 or both SOC102H1 and SOC103H1
2. SOC201H1, SOC203H1, and SOC376H1
3. SOC200H1, SOC202H1, SOC300H1 and SOC302H1
4. An additional 5.5 FCEs in Sociology; i.e., 2.5 SOC FCEs at the 200 or 300 level; 2.0 SOC FCEs at the 300 level; and 1.0 SOC FCE at the 400 level. NOTE: Students cannot take more than 1.0 FCE at the 400 level without written permission from the Undergraduate Program Administrator.

## Sociology Major (Arts Program)

(7.0 FCEs in Sociology)

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's mark (minimum of 65%) in SOC101Y or both SOC102H and SOC103H. **Achieving the 65% mark does not guarantee admission to the program in any given year.**

**NOTE: Students cannot combine a Sociology Major program with another Sociology program (Specialist or Minor) for their degree.**

Entry Requirements:

1. A minimum grade of 65% (see above) in SOC101Y1 or a minimum combined average grade of 65% in SOC102H1 + SOC103H1
2. 3 full courses (3.0 FCEs) towards a degree (can be from sociology or other departments).

Completion Requirements:

1. SOC101Y1 or both SOC102H1 and SOC103H1

2. SOC201H1 or SOC203H1
3. SOC200H1 and SOC202H1
4. An additional 4.5 FCEs in Sociology; i.e., 2.5 SOC FCEs at the 200 or 300 level; 1.5 SOC FCEs at the 300 level and 0.5 SOC FCE at the 400 level. NOTE: Students cannot take more than 0.5 SOC FCE at the 400 level without written permission from the Undergraduate Program Administrator.

## Sociology Minor (Arts Program)

(4.0 FCEs in Sociology)

This is a limited enrolment program that can only accommodate a limited number of students. Eligibility will be competitive and based on a student's mark (minimum of 65%) in SOC101Y or both SOC102H and SOC103H. **Achieving the 65% mark does not guarantee admission to the program in any given year.**

**NOTE: Students cannot combine a Sociology Minor program with another Sociology program (Specialist or Major) for their degree.**

Entry Requirements:

1. a minimum grade of 65% (see above) in SOC101Y1 or a minimum combined average grade of 65% in SOC102H1 and SOC103H1
2. 3 full courses (3.0 FCEs) towards a degree (can be from sociology or other department)

Completion Requirements:

1. SOC101Y1 or both SOC102H1 and SOC103H1
2. Three additional SOC courses (3.0 FCEs), which includes at least 1 FCE SOC course at the 300 level, i.e., 2.0 SOC FCEs at the 200 OR 300 level and 1.0 SOC FCE at the 300 level.

## Combined Degree Program (CDP) in Arts and Education: Sociology (Major), HBA/MT

### Combined Degree Program (CDP) in Arts and Education: Sociology (Major), Honours Bachelor of Arts/Master of Teaching

The Combined Degree Program in Arts/Science and Education is designed for students interested in studying the intersections of teaching subjects and Education, coupled with professional teacher preparation. Students earn an Honours Bachelor's degree from the Faculty of Arts and Science (St. George) and an accredited professional Master of Teaching (MT) degree from the Ontario Institute for Studies in Education (OISE). They will be recommended to the Ontario College of Teachers for an Ontario Teacher's Certificate of Qualifications as elementary or secondary school teachers. The CDP permits the completion of both degrees in six years with 1.0 FCE that may be counted towards both the undergraduate and graduate degrees.

Program requirements:

1. Minor in Education and Society, Victoria College
2. Major in Sociology (first teaching subject)
3. Minor in an area corresponding to the second teaching subject as determined by OISE (see [http://pepper.oise.utoronto.ca/~jhewitt/mtresources/intermediate\\_senior\\_teaching\\_subject\\_prerequisites\\_2016-17.pdf](http://pepper.oise.utoronto.ca/~jhewitt/mtresources/intermediate_senior_teaching_subject_prerequisites_2016-17.pdf))

See here for additional information on the CDP, including admission, path to completion and contact information.

## Sociology Courses

### Note 1:

Enrollment in SOC200H1, SOC201H1, SOC202H1, SOC203H1, SOC300H1, SOC302H1 and SOC376H1, is restricted to sociology majors and specialists as stated in the course descriptions below.

**Ineligible students can be removed at any time.**

### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### SOC101Y1 Introduction to Sociology [48L/24T]

Sociologists investigate how social relations shape human behaviour. By systematically observing social milieus, conducting surveys, analyzing official statistics, inspecting historical documents, and carrying out experiments, they analyze the opportunities and constraints that help to make people what they are in different social contexts. This course introduces students to the sociological perspective and sociological methods by investigating a wide range of human behaviours and institutions. Topics include social inequality, race and ethnicity, crime and deviance, families, the mass media, gender and sexuality, and globalization.

Exclusion: SOC102H1 + SOC103H1; SOCA01H3 + SOCA02H3; SOC100H5

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### SOC102H1 Introduction to Sociology Social Inequalities [24L]

What causes the emergence, persistence and decline of inequalities based on class, gender, race, ethnicity and country of residence? Variations in artistic, mathematical, athletic and other skills are strikingly evident; this course explores why they are associated with varying rewards, including income, power and prestige.

Exclusion: SOC101Y1; SOC100H5; SOCA01H3

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### SOC103H1 Introduction to Sociology Social Institutions and Processes [24L]

Operating through economic, educational, political, religious, familial and other institutions, society opens up some opportunities and closes off others, thus helping to make us what we are and influencing what we can become. This course explores how social institutions work and how they structure our lives.

Prerequisite: SOC102H1

Exclusion: SOC101Y1; SOCA02H3

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## 200-Series Courses

### Note:

All upper-level SOC courses have prerequisites. **Students without course prerequisites can be removed at any time.**

### SOC200H1 Logic of Social Inquiry (formerly SOC200Y1) [24L/24T]

This course reviews the basic issues that concern all types of data collection methods used by social scientists to test theory. Key topics include selection, sampling, and measurement. The course explores how error affects the data gathered in experiments and non-experimental studies, and in qualitative and quantitative research. The course emphasizes critical thinking about the empirical research presented in everyday life, as well as preparation for more advanced research courses. Enrolment is restricted to sociology majors and specialists.

Prerequisite: SOC101Y1 or SOC102H1 + SOC103H1

Exclusion: SOC200Y1, SOCB05H3, SOC221H5, SOC200Y5, JBS229H1, POL242Y1, UNI200Y1, UNI200H1, UNI250H1, WDW350Y1, WDW350H1, GGR271H1, HST250H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### SOC201H1 Classical Sociological Theory I – Community & Religion (formerly SOC203Y1) [24L]

Introduction to the paired concepts of community/alienation and sacred/secularization in the works of key classical theorists such as Marx, Weber, Durkheim, Tocqueville and Simmel. Enrolment is restricted to sociology majors and specialists.

Prerequisite: SOC101Y1 or SOC102H1 + SOC103H1

Exclusion: SOC203Y1; SOC231H5

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### SOC202H1 Quantitative Analysis in Social Science Research (formerly SOC300Y1) [24L]

Introduction to quantitative social science research from descriptive statistics to hypothesis testing using various strategies for the analysis of bivariate relationships. Enrolment is restricted to sociology majors and specialists.

Prerequisite: SOC101Y1 or SOC102H1 + SOC103H1, and SOC200H1

Exclusion: SOC200Y1, SOC300Y1, SOC200Y5, SOC222H5, ECO220Y1, ECO227Y1, GGR270H1, PSY201H1, STA220H1, STA248H1, STA250H1, POL232H1, POL242Y1, POL322H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### SOC203H1 Classical Sociological Theory II – Inequality & Authority (formerly SOC203Y1) [24L]

Introduction to the paired concepts of inequality/solidarity and authority/illegitimacy in the works of key classical theorists such as Marx, Weber, Durkheim, Tocqueville and Simmel. Enrolment is restricted to sociology majors and specialists.

Prerequisite: SOC101Y1 or SOC102H1 + SOC103H1

Exclusion: SOC203Y1; SOC232H5

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### SOC205H1 Urban Sociology (formerly SOC205Y1) [24L]

This course reviews theories of urban genesis and urban form; the interrelationship of urbanization, industrialization and modernization, issues in urban living (housing, transportation, urban-renewal, poverty, unemployment, etc.); urban social networks (ethnic and cultural heterogeneity, neighbourhood, community and other voluntary associations).

Prerequisite: SOC101Y1 or SOC102H1 or SOC103H1

Exclusion: SOC205Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

# Sociology

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## **SOC207H1 Sociology of Work & Occupations (formerly SOC207Y1) [24L]**

The nature and meaning of work in relation to changes in the position of the professions, unions and government, of women and minority groups, and in industrial societies more generally. Career choice and strategies, occupational mobility, and individual satisfaction at work.

Prerequisite: SOC101Y1 or SOC102H1 or SOC103H1

Exclusion: SOC207Y1; SOC227H5

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC210H1 Ethnicity in Social Organization (formerly SOC210Y1) [24L]**

The course explores the concepts of race and ethnicity and major theories to understand race and ethnic relations.

Prerequisite: SOC101Y1 or SOC102H1 or SOC103H1

Exclusion: SOC210Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC212H1 Sociology of Crime & Deviance (formerly SOC212Y1) [24L]**

This course provides an overview of the study of crime and deviance. We critically examine how scholars have gone about studying crime and deviance (the methods they use and the statistics they employ) as well as the major sociological explanations for crime and deviance. We also consider the empirical evidence as it relates to the validity of these explanations and some of the policy fallout from different theoretical approaches.

Prerequisite: SOC101Y1 or SOC102H1 or SOC103H1

Exclusion: SOC212Y1; SOC211H5

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC214H1 Family Patterns (formerly SOC214Y1) [24L]**

This course examines diverse family patterns, to show the economic, political and cultural factors that influence families. A brief social history of family paves the way for an examination of the various family patterns common in Canada today. Special attention is paid to the gender relations at the heart of family.

Prerequisite: SOC101Y1 or SOC102H1 or SOC103H1

Exclusion: SOC214Y1; SOCB49H3; SOC244H5

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC218H1 Asian Communities in Canada (formerly SOC218Y1) [24L]**

The course will explore the structures and processes of Asian communities in Canada. Historical development of various Asian communities will be explored.

Prerequisite: SOC101Y1/SOC102H1/SOC103H1

Exclusion: SOC218Y1/SOC342Y1/SOC394Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC220H1 Social Inequality in Canada (formerly SOC220Y1) [24L]**

This course is concerned with the causes and consequences of economic inequality. More specifically, it explores how achieved and ascribed characteristics are related to social class and related economic outcomes. Although some of the material will be comparative and pertain to modern Democracies generally, emphasis will be on Canadian society.

Prerequisite: SOC101Y1 or SOC102H1 or SOC103H1

Exclusion: SOC220Y1, SOC296H1 (20109)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC243H1 Sociology of Health and Illness (formerly 242Y1) [24L]**

This course examines (1) the social causes of illness and disease, (2) the experience of illness, and social processes that shape both of these issues, including medicalization. It focuses on population health, the relation between agency and structure, and macro-micro connections. Professional health care is discussed to the extent that it provides context for analyses of illness patterns and experiences.

Prerequisite: SOC101Y1 or SOC102H1 or SOC103H1

Exclusion: SOC242Y1; SOC239H5

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC244H1 Sociology of Health Care (formerly SOC242Y1) [24L]**

Examines factors that influence the organizational structure of health care systems, how these organizations develop, how they are maintained, and how they can change. Topics also include the social forces that influence the relationship between healthcare providers and consumers.

Prerequisite: SOC101Y1 or SOC102H1 or SOC103H1

Exclusion: SOC242Y1; SOC333H5

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC246H1 Sociology of Aging (formerly SOC245Y1) [24L]**

This course deals with population aging, cohort effects, inter-generational relations, historical variation in effects of social environment on aging, how health and family relationships vary with age, and social policies related to aging. The whole life course is considered, but the emphasis on adulthood and old age.

Prerequisite: SOC101Y1 or SOC102H1 or SOC103H1

Exclusion: SOC245Y1; SOC334H5

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC248H1 Sociology of the Mind [24L]**

This course provides an overview of the literature that concerns the social factors that shape how individuals cognize themselves and the world around them. It focuses on the mental processes and phenomena that are socially shared, and the ways through which individuals come to form their thoughts, behaviour and emotions.

Prerequisite: SOC101Y1 or SOC102H1 or SOC103H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC250Y1 Sociology of Religion [48L]**

This course will examine religious beliefs, practices, and experiences from a historical-sociological and comparative perspective. Classical and contemporary theories will be reviewed and applied to investigate such topics as: the social origins of religions; the formation of religious communities; heresies, schisms and the making of orthodoxies; secularization and fundamentalism; cults and new religious movements; religious regulation of the body and person; and the variable linkages of religion to politics, war, art and science.

Prerequisite: SOC101Y1 or SOC102H1 or SOC103H1

Exclusion: RLG210Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)



**SOC256H1 Lives and Societies (formerly SOC255Y1) [24L]**

Characteristics of very different kinds of societies, from hunters and gatherers to modern postindustrial countries, and how these affect features of individual lives including: life stages, their status, and transitions between them; the variety of possible life courses; rates of birth and death, and their implications for people, their kin, and their societies.

Prerequisite: SOC101Y1 or SOC102H1 or SOC103H1

Exclusion: SOC255Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC258H1 Teams, Bands & Gangs: Introduction to Small Groups [24L]**

Examines the common characteristics and processes of small groups, whether teams, bands, gangs, work-groups, families, or otherwise. Focuses on recruitment, socialization, leadership, ritual, informal control, boundary maintenance, and relations with other groups. Relates the functioning of groups to cultures and communities in which they are situated.

Prerequisite: SOC101Y1 or SOC102H1 or SOC103H1

Exclusion: SII199H1 (Fall 2012)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC260H1 Fundamentals of Political Sociology (formerly SOC260Y1) [24L]**

An introduction to key topics in political sociology such as social movements, electoral alignments, parties as organizations, the welfare state, revolution, policymaking, state formation, nationalism and imperialism.

Prerequisite: SOC101Y1 or SOC102H1 or SOC103H1

Exclusion: SOC260Y1, SOC297H1 (2011); SOCB30H3; SOC335H5

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC265H1 Gender and Society (formerly SOC365Y1) [24L]**

This course first explores how sociologists conceptualize gender and study gender. Then, it explores the varied nature of gender relations, with a focus on the social organization of gender today.

Prerequisite: SOC101Y1 or SOC102H1 or SOC103H1

Exclusion: SOC365Y1; SOCB22H3; SOC275H5

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC279H1 Contentious Politics [24L]**

This course introduces students to the sociological study of collective action. Students will explore how movements in a variety of historical and global contexts endeavor to produce social change. In this process, we will examine political and cultural opportunities and obstacles, organizational dynamics, resources, collective action frames, strategies and tactics.

Prerequisite: SOC101Y1 or SOC102H1 or SOC103H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC281H1 Culture and Inequality [24L]**

How location in socioeconomic, ethnic, gender, and generational groups shapes individual cultural repertoires; how culture affects individual positions in stratification hierarchies; and the role of culture in group boundaries and struggles.

Prerequisite: SOC101Y1 or SOC102H1 or SOC103H1

Exclusion: SOC381Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC282H1 Introduction to Social Problems (formerly SOC382Y1) [24L]**

Examines a variety of widely discussed social problems, including poverty, crime, substance abuse, sexism, climate change and urban sprawl, using sociological theories to understand the causes of these problems. Will also examine the "social construction" of these social problems and factors that influence public attention and concern.

Prerequisite: SOC101Y1 or SOC102H1 or SOC103H1

Exclusion: SOC382Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC293Y1 Selected Topics in Sociological Research [TBA]**

An opportunity to explore a sociological topic in depth. Courses relate to instructor's area of research, so topics vary from year to year. Consult the Departmental website for current course offerings.

Prerequisite: varies according to particular course offering; consult

descriptions at Departmental website for details

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC294Y1 Selected Topics in Sociological Research [TBA]**

An opportunity to explore a sociological topic in depth. Courses relate to instructor's area of research, so topics vary from year to year. Consult the Departmental website for current course offerings.

Prerequisite: varies according to particular course offering; consult

descriptions at Departmental website for details

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC296Y1 Selected Topics in Sociological Research [TBA]**

An opportunity to explore a sociological topic in depth. Courses relate to instructor's area of research, so topics vary from year to year. Consult the Departmental website for current course offerings.

Prerequisite: varies according to particular course offering; consult

descriptions at Departmental website for details

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC296H1 Selected Topics in Sociological Research [TBA]**

An opportunity to explore a sociological topic in depth. Courses relate to instructor's area of research, so topics vary from year to year. Consult the Departmental website for current course offerings.

Prerequisite: varies according to particular course offering; consult

descriptions at Departmental website for details

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

# Sociology

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## **SOC297H1 Selected Topics in Sociological Research [TBA]**

An opportunity to explore a sociological topic in depth. Courses relate to instructor's area of research, so topics vary from year to year. Consult the Departmental website for current course offerings.

Prerequisite: varies according to particular course offering; consult descriptions at Departmental website for details

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC298H1 Selected Topics in Sociological Research [TBA]**

An opportunity to explore a sociological topic in depth. Courses relate to instructors area of research, so topics vary from year to year. Consult the Departmental website for current course offerings.

Prerequisite: varies according to particular course offering; consult descriptions at Departmental website for details

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC299Y1 Research Opportunity Program**

Credit course for supervised participation in faculty research project.

Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **300-Series Courses**

### **Note:**

All upper-level SOC courses have prerequisites. **Students without course prerequisites can be removed at any time.**

## **SOC300H1 Applications of Quantitative Methods in the Social Sciences (formerly SOC300Y1) [24L/24T]**

Provides students with the opportunity to develop an understanding of the logic of multivariate analysis by applying various strategies for the analysis of complex multivariate data. Enrolment is restricted to sociology specialists and majors.

Prerequisite: To enroll in SOC300H1, a student must be a sociology specialist or major who has completed SOC202H1 or an equivalent and another SOC course at the 200+ level

Exclusion: SOC300Y1, ECO220Y1, PSY202H1, STA220H1, STA250H1, STA248H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC301Y1 Theories of Inequality [48L]**

Theories of social inequality, its historical evolution, and the determinants of continuity and change of patterns of social inequality.

Prerequisite: A 200+ level SOC course

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC302H1 Qualitative Analysis in Social Science Research (formerly SOC204H1) [24L]**

Introduction to the methods and issues of qualitative research the theories, methods for data collection and analysis, and the personal and ethical issues relating to qualitative research. Enrolment is restricted to sociology specialists and majors.

Prerequisite: To enroll in SOC302H1, a student must be a sociology specialist or major who has completed SOC200H1 or an equivalent and another SOC course at the 200+ level

Exclusion: SOC204H1; SOCC23H3; SOC387H5

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC303H1 Family Demography [24L]**

Uses empirical sociological studies to describe and analyze the political, social and economic implications of diverse family relationships and living arrangements. Examines the social and economic consequences of inconsistencies between public definitions of family and the realities of family life. Introduces students to the statistical analysis of the demographic features of families using census data.

Prerequisite: A 200+ level SOC course

Recommended Preparation: SOC214H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC304H1 Status Attainment [24L]**

Shows how getting ahead or becoming downwardly mobile are affected by social as well as economic factors. Links the experience of mobility to larger scale social change.

Prerequisite: A 200+ level SOC course

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC305H1 Social Factors in Child Development [24L]**

Shows how child and adolescent development is affected by family background, neighbourhood and community as well as by social policies implemented at different levels of government. This course reviews evidence from national longitudinal surveys carried out in Canada, the UK and the USA and emphasizes ethical issues in research involving children.

Prerequisite: A 200+ level SOC course

Recommended Preparation: SOC202H1; SOC220H1 or SOC214H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC307Y1 International Migration: Trends and Issues [48L]**

This course examines contemporary international migration flows, immigration policies, and migrant integration with emphasis on Canada. Among the topics covered are theories of migration, types and causes of migration, policy issues, and immigrant integration including 1.5 and second generations, gender issues, labour market integration and elderly immigrants.

Prerequisite: 200+ level SOC course

Exclusion: SOC375H5

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC309H1 HIV and AIDS: Social Policies and Programs (Formerly SOC309Y1) [48L]**

Explores and discusses specific theories of action. Applies theories to various factors associated with AIDS/HIV. Examines political, scientific, health, social, economic, and cultural environments. This course forces students to examine the hidden theoretical assumptions surrounding AIDS/HIV.

Prerequisite: A 200+ level SOC course

Exclusion: SOC309Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC310H1 Sociology of Juvenile Crime [24L]**

Examine and evaluate sociological theories and research on the causes and correlates of juvenile crime, with a focus on recent theoretical developments and quantitative analyses of juvenile offending (not delinquency). The course highlights the effects of structural conditions, cultural factors, and individual decisions.

Prerequisite: A 200+ level SOC course

Recommended Preparation: SOC212H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC312H1 Population and Society (formerly SOC312Y1) [24L]**

This introductory course examines Canada's population in a global context, covering a broad range of population issues and perspectives. Topics include (a) demographic data and methods, (b) population composition in terms of age, sex, and nuptiality, (c) demographic processes of fertility, mortality, internal and international migration, (d) the relationship between population change and urbanization, and (e) the role of social policy on population change. For all course topics, the instructor will examine historical and cross-national trends and review proposed explanations.

Prerequisite: A 200+ level SOC course

Exclusion: SOC312Y1; SOC356H5

Recommended Preparation: SOC200H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC313H1 Social Control (formerly SOC212Y1) [24L]**

This course examines how society has gone about controlling specific types of deviants (e.g., gang members, sex and drug offenders) and acts of deviance (e.g., organized crime, the deviance of social control agents). In examining these individuals and acts, attention is also directed to why they are defined as deviant and sanctioned, and why some types of deviance are less likely to be detected and sanctioned than others. Finally, consideration is also given to a range of sanctions that have been used to control deviance and the empirical evidence on their effectiveness.

Prerequisite: SOC212H1

Exclusion: SOC212Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC314H1 Family Relations (formerly SOC214Y1) [24L]**

This course explores the dynamics of structure and agency in the making of families. It does so by examining the social relations of sexuality, parenthood and other activities involved in making families. It examines normative patterns and the gender, class, and racial inequalities embedded in them as well as the diversity of family patterns.

Prerequisite: a SOC 200+ level course

Exclusion: SOC214Y1

Recommended Preparation: SOC214H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC315H1 Domestic Violence [24L]**

This course will provide an overview of the different forms of domestic criminal violence, concentrating primarily on intimate partner violence and child abuse. We will focus on the methodological problems in assessing the nature and extent of these types of violence, the risk factors and correlates of both offending and victimization and the theoretical explanations that have been offered for these crimes. We also consider the social and legal responses to intimate partner violence and child abuse.

Prerequisite: SOC212H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC317Y1 Industrial Sociology (formerly SOC316Y1) [48L]**

Labour/management relations in industrial societies; impact of technological change on work organizations and labour markets; implications for understanding various topics including social mobility, labour market segmentation, job satisfaction, work/family relations, immigration and race, power in organizations, union and industrial conflict, organizational culture, and the social control of industry.

Prerequisite: A 200+ level SOC course

Exclusion: SOC316Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC336H1 Immigration and Race Relations in Canada [24L]**

Examines the economic, social, cultural and political impacts of 20th century immigration in Canada, and emerging race and ethnic relations. Topics include immigration policy; population impact; community formation; labour markets; enclave economies; welfare use by immigrants; the criminal justice system; racial conflict; multiculturalism and race; and equity policies.

Prerequisite: A 200+ level SOC course

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC355H1 Introduction to Social Network Analysis (formerly SOC355Y1) [24L]**

This course covers the fundamentals of the social network perspective, including a short introduction to social network theory and a survey of major findings in social network research. We will study how patterns of relations between social actors develop and how they affect outcomes such as health, status attainment, and inequality. Students will write a proposal to conduct research from a social network perspective.

Prerequisite: A 200+ level SOC course

Exclusion: SOC355Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC356H1 Technology and Society (Formerly SOC356Y1) [48L]**

This course analyzes the interplay between new communication technologies and society. It will consider how technological developments affect social systems, and conversely, how social systems affect the nature and use of technology. Much of the course will be devoted to studying the impact of computerization and the advent of the information highway.

Prerequisite: A 200+ level SOC course.

Exclusion: SOC356Y1

Recommended Preparation: SOC201H1 OR SOC203H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC357H1 Lives in Canada (formerly SOC257H1) [24L]**

The life course in Canada, in the twentieth century and today, with some comparisons to other first world countries. How lives have changed over the past century; how lives are affected by history and social location; the impact of the life trajectories on health and crime.

Prerequisite: A 200+ level SOC course

Exclusion: SOC257H1

Recommended Preparation: SOC220H1 or SOC281H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC358H1 Cities and Social Pathology [24L]**

Focuses on relationship between urbanization and crime. Urbanization and the size of cities are examined as correlates, and perhaps causes, of crime, delinquency, the development of deviant service centers, mental illness, and suicide. Does housing level show a link between housing design, crowding, floor level, etc. and crime, delinquency, depression?

Prerequisite: A 200+ level SOC course

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC362H1 The Quality of Social Life (formerly SOC263H1) [24L]**

Theory and research on quality of life encompass studies of subjective dimensions of individual wellbeing, such as happiness, and studies that focus on objective indicators of the quality of institutions and settings, such as child mortality rates. Quality-of-life theories range from (sometimes utopian) classical sociological theories with a historical and political slant to recent interdisciplinary theories that integrate sociological, psychological, and philosophical approaches.

Prerequisite: A 200+ level SOC course

Exclusion: SOC263H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC363H1 Sociology of Mental Health and Mental Disorders [24L]**

An overview of the link between social inequality and emotional inequality, focusing on differences in mental health across social groups and the role of stress and coping resources in explaining group differences.

Prerequisite: A 200+ level SOC course.

Exclusion: SOC262Y1, SOC264H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC364H1 Urban Health [24L]**

Cities are home to particular populations (the poor, the homeless, racial and ethnic minorities, immigrants, and the young and old) and have distinct risks and protections relevant to health. Patterns of health in cities, historical developments, and emerging literature and methodology are used to uncover how everyday settings influence health.

Prerequisite: A 200+ level SOC course

Exclusion: SOC396H1 in 02-03 or 04-05

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC365H1 Gender Relations (formerly SOC365Y1) [24L]**

This course examines the dynamics of gender in daily life—in sexuality and intimate relations, in parenting and families, and in paid work and workplace organizations, as well as in popular culture. It examines the social construction of gender in individuals and in social organizations, in order to understand gender inequality.

Prerequisite: SOC265H1

Exclusion: SOC365Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC366H1 Sociology of Women and Work [24L]**

This course focuses on women's paid and unpaid work and the relationship between the two. It analyzes the gender gap in earnings, the sexual segregation of the labour force, the restructuring of paid work, sexual harassment, paid domestic work, and the division of housework and child care.

Prerequisite: A 200+ level SOC course

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC367H1 Race, Class, and Gender [24L]**

In this class, we analyze the ways in which race, class, gender and sexuality interact and shape communities, life opportunities, perspectives and politics. We will read contemporary ethnographies concerning work, socialization, and urban life against current sociological theories about inequality and intersectionality, and identity.

Prerequisite: A 200+ level SOC course

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC371H1 Comparative Political Sociology (formerly SOC270H1) [24L]**

The study of comparative (historical and cross-national) variation in outcomes that are the subject of research by political sociologists.

Prerequisite: A 200+ level SOC course

Exclusion: SOC270H1

Recommended Preparation: SOC260H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC376H1 Contemporary Sociological Theory (formerly SOC389Y1) [24L]**

A selective introduction to major thinkers and approaches in contemporary sociology. Mills, De Beauvoir, Habermas, Bell, Foucault, Bourdieu, Giddens, and Mann are among the chief theoreticians whose work will be discussed. Enrolment is restricted to sociology specialists and majors.

Prerequisite: SOC201H1 or SOC203H1

Exclusion: SOC389Y1; SOC232H5

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC381Y1 Culture and Social Structure (formerly SOC393Y1) [48L]**

Our society includes many varieties of cultural tastes and practices. How are these related to inequality? How do cultural repertoires shape peoples lives, including school success, careers, romance, marriage and friendship? How is culture produced in art worlds and industries, transmitted more or less successfully and creatively received?

Prerequisite: A 200+ level SOC course

Exclusion: SOC393Y1;

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC382H1 Production and Consumption of Culture [24L]**

Social structure of formal and informal groups producing culture; careers in such cultural worlds; the effect of how culture is produced on the nature of culture; how culture is consumed and received; the prestige of different cultural forms and their changes over time.

Prerequisite: A 200+ level SOC course

Exclusion: SOC381Y1

Recommended Preparation: SOC281H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC383H1 The Sociology of Women and International Migration [24L]**

Examines the international migration of women in postindustrial economies with emphasis on Canada. Topics include: theories of female migration; the impacts of immigration policies; migration trends and entry status; integration issues pertaining to family, language knowledge, citizenship and economic status; labour market barriers and public policy considerations.

Prerequisite: A 200+ level SOC course

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC384H1 Neighbourhoods & Communities in Canada [24L]**

Uses recent and historical data to demonstrate the changing social characteristics of local neighbourhoods and larger communities, as these have been affected by industrialization, immigration and other factors and as they affect the life chances of their residents. Provides students with active learning experiences through research activities using Census data.

Prerequisite: A 200+ level SOC course

Recommended Preparation: SOC202H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC386H1 Selected Topics in Sociological Research [TBA]**

An opportunity to explore a sociological topic in depth. Courses relate to instructor's area of research, so topics vary from year to year. Consult the Departmental website for current course offerings.

Prerequisite: A SOC course at the 200+ level, plus instructor requirements (varies according to particular course offering; consult description at Departmental website for exact prerequisites)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC387H1 Selected Topics in Sociological Research [TBA]**

An opportunity to explore a sociological topic in depth. Courses relate to instructor's area of research, so topics vary from year to year. Consult the Departmental website for current course offerings.

Prerequisite: A SOC course at the 200+ level, plus instructor requirements (varies according to particular course offering; consult description at Departmental website for exact prerequisites)

Exclusion: SOC339H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC388H1 Sociology of Everyday Life 2 [24L]**

This course explores the phenomenological and organizational foundation of everyday experience. It focuses on the structure and social interactions that shape everyday life, and explains the social order that makes everyday life seem smooth and relatively effortless. The course offers experience in qualitative research and writing.

Prerequisite: A 200+ level SOC course

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC390Y1 Independent Research [TBA]**

Independent Research courses allow students to pursue a specific topic of interest. These courses are offered at the 300-level, as full or half courses. Students work independently with a professor in the Department who acts as research supervisor. There are no formal class meetings, lectures, or readings other than what is agreed to with the supervisor. Professors accept supervisory responsibility at their discretion. They are not required to serve as research supervisors. It is recommended that

students approach a professor working in the same sub-discipline of sociology. Often students become interested in a topic through a SOC course and approach the instructor of that course for supervision; however, this is not required. Not eligible for CR/NCR option.

Prerequisite: Students must have completed 10.0 courses towards their degree, plus a SOC course at the 300+ level to be eligible for 300-level Independent Research. For further details, please visit our website

at:[http://know.soc.utoronto.ca/index.php?option=com\\_content&task=view&id=62&Itemid=136](http://know.soc.utoronto.ca/index.php?option=com_content&task=view&id=62&Itemid=136)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3) + None

**SOC391H1 Independent Research [TBA]**

Independent Research courses allow students to pursue a specific topic of interest. These courses are offered at the 300-level, as full or half courses. Students work independently with a professor in the Department who acts as research supervisor. There are no formal class meetings, lectures, or readings other than what is agreed to with the supervisor. Professors accept supervisory responsibility at their discretion. They are not required to serve as research supervisors. It is recommended that students approach a professor working in the same sub-discipline of sociology. Often students become interested in a topic through a SOC course and approach the instructor of that course for supervision; however, this is not required. Not eligible for CR/NCR option.

Prerequisite: Students must have completed 10.0 courses towards their degree, plus a SOC course at the 300+ level to be eligible for 300-level Independent Research. For further details, please visit our website

at:[http://know.soc.utoronto.ca/index.php?option=com\\_content&task=view&id=62&Itemid=136](http://know.soc.utoronto.ca/index.php?option=com_content&task=view&id=62&Itemid=136)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC392H1 Independent Research [TBA]**

Independent Research courses allow students to pursue a specific topic of interest. These courses are offered at the 300-level, as full or half courses. Students work independently with a professor in the Department who acts as research supervisor. There are no formal class meetings, lectures, or readings other than what is agreed to with the supervisor. Professors accept supervisory responsibility at their discretion. They are not required to serve as research supervisors. It is recommended that students approach a professor working in the same sub-discipline of sociology. Often students become interested in a topic through a SOC course and approach the instructor of that course for supervision; however, this is not required. Not eligible for CR/NCR option.

Prerequisite: Students must have completed 10.0 courses towards their degree, plus a SOC course at the 300+ level, to be eligible for 300-level Independent Research. For further details, please visit our website

at:[http://know.soc.utoronto.ca/index.php?option=com\\_content&task=view&id=62&Itemid=136](http://know.soc.utoronto.ca/index.php?option=com_content&task=view&id=62&Itemid=136)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC393Y1 Selected Topics in Sociological Research [TBA]**

An opportunity to explore a sociological topic in depth. Courses relate to instructor's area of research, so topics vary from year to year. Consult the Departmental website for current course offerings.

Prerequisite: A SOC course at the 200+ level, plus instructor requirements (varies according to particular course offering; consult description at Departmental website for exact prerequisites)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

# Sociology

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## **SOC394Y1 Selected Topics in Sociological Research [TBA]**

An opportunity to explore a sociological topic in depth. Courses relate to instructor's area of research, so topics vary from year to year. Consult the Departmental website for current course offerings.

Prerequisite: A SOC course at the 200+ level, plus instructor requirements (varies according to particular course offering; consult description at Departmental website for exact prerequisites)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC395H1 Selected Topics in Sociological Research [TBA]**

An opportunity to explore a sociological topic in depth. Courses relate to instructor's area of research, so topics vary from year to year. Consult the Departmental website for current course offerings.

Prerequisite: A SOC course at the 200+ level, plus instructor requirements (varies according to particular course offering; consult description at Departmental website for exact prerequisites)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC396H1 Selected Topics in Sociological Research [TBA]**

An opportunity to explore a sociological topic in depth. Courses relate to instructor's area of research, so topics vary from year to year. Consult the Departmental website for current course offerings.

Prerequisite: A SOC course at the 200+ level, plus instructor requirements (varies according to particular course offering; consult description at Departmental website for exact prerequisites)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC397H1 Selected Topics in Sociological Research [TBA]**

An opportunity to explore a sociological topic in depth. Courses relate to instructors area of research, so topics vary from year to year. Consult the Departmental website for current course offerings.

Prerequisite: A SOC course at the 200+ level, plus instructor requirements (varies according to particular course offering; consult description at Departmental website for exact prerequisites)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC398H0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Prerequisite: Minimum of one SOC course at the 300+ level

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC399Y0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Prerequisite: Minimum of one SOC course at the 300+ level

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **400-Level Courses**

Note

All upper-level SOC courses have prerequisites. **Students without course prerequisites can be removed at any time.** All 400 level courses are restricted to 4th year students, this excludes Independent Research Courses.

## **SOC410H1 Sexuality and Modernity [24L]**

We will examine questions related to sexuality and the modern West, with a special focus on the social construction of sexual identity, practice, community and desire. To do so, we proceed self consciously with a critical analysis of the modern study of sexuality, and the ways in which sexual science, as a kind of social practice, has affected the construction and regulation of sexual orientation. We also consider how social structures such as capitalism and patriarchy, and social stratification—including race, class, and age—shape the sphere of sexuality and intimate life. Restricted to 4th-year sociology specialists and majors.

Prerequisite: A 300+ level SOC course

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC412H1 Medicalization of Deviance [24L]**

This course examines the sociological implications associated with the growing dominance of psychiatry over designating and managing the margins of 'normality' and 'deviance.' It covers the evolution of the DSM and rise of deinstitutionalization, the importance of stigma and symbolic interactionist understandings of psychiatric diagnoses, and the methods of social control used to mitigate risk and reduce social deviance within the psychiatric and criminal justice systems. Emphasis will be placed on understanding the social implications of mental health labels. Restricted to 4th-year sociology specialists and majors.

Prerequisite: One of SOC212H1 or SOC243H1, and at least 0.5 FCE at the SOC 300+ level

Recommended Preparation: SOC313H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC413H1 Sociology of Punishment [24L]**

This course considers the history of penology, theories of penal development and current trends. Particular attention will be paid to cross-national variations in punishment and what these reveal about the relevance of particular theories and the importance of culture in understanding historical developments in punishment. Restricted to 4th-year sociology specialists and majors.

Prerequisite: SOC212H1 and a 300+ level SOC course

Exclusion: WDW340H1

Recommended Preparation: SOC313H1 or SOC315H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC422H1 Political Sociology [24L]**

This fourth year course will provide an advanced treatment of selected topics in political Sociology. Specific topics to be covered are the relationship between political systems and cleavage voting, the relationship between social class and attitudes and voting, the post-materialist thesis, social capital and civic participation, gender politics, the various varieties, causes and effects of welfare states, and social movements. The course will have both a Canadian and international focus. Restricted to 4th-year sociology specialists and majors.

Prerequisite: A 300+ level SOC course.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC427H1 Families and Health (formerly SOC327Y1) [24L]**

Examines the competing theoretical, policy and therapeutic responses to a variety of family health problems, including addictions, chronic physical illnesses, and mental illness, as well as the effects of illness on family life and family coping. The links between theory and practice provide the basis for discussion of knowledge transfer. Restricted to 4th-year sociology specialists and majors.

Prerequisite: A 300+ level SOC course (preferably selected from the Recommended Preparation list for this course)

Exclusion: SOC327Y1)

Recommended Preparation: SOC309Y1 or SOC314H1 or SOC363H1 or SOC364H1 or SOC478H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC439H1 Immigration and Employment (formerly SOC339H1) [24L]**

This course examines the labour market and employment situation of immigrants emphasizing recent Canadian experience in comparative context. Topics include immigrant human capital, declining immigrant earnings, immigrant skill-underutilization, impact of the knowledge economy, racial discrimination, labour market structure and unionization, immigrant entrepreneurship and experiences of the Canadian-born second generation. Restricted to 4th-year sociology specialists and majors.

Prerequisite: A 300+ level SOC course (preferably selected from the Recommended Preparation list for this course)

Exclusion: SOC339H1

Recommended Preparation: SOC317Y1 or SOC336H1 or SOC366H1 or SOC383H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC444H1 Contemporary Issues in Work and Labour Markets [24L]**

This course examines current issues in the Sociology of Work and Labour Markets. Specific topics covered will vary, depending on the instructor of the course. All topics though will involve in-depth look at a contemporary concerns in the world of work. Students will be involved in either individual or group research projects involving the use of data. Restricted to 4th-year sociology specialists and majors.

Prerequisite: A 300+ level SOC course (preferably selected from the Recommended Preparation list for this course)

Recommended Preparation: SOC304H1 or SOC317Y1 or SOC365H1 or SOC366H1 or SOC367H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC448H1 Sociology & Emotions (formerly SOC348H1) [24L]**

From social cohesion to intergroup violence, emotional processes influence social outcomes. Moral aspects of experience in particular are linked to emotions such as shame and pride. Students in this course will review major theories of, and a variety of empirical approaches to, the link between social and emotional processes. They will be encouraged to extend ideas and analyses in the published literature to new topics. Restricted to 4th-year sociology specialists and majors.

Prerequisite: A 300+ level SOC course (preferably selected from the Recommended Preparation list for this course)

Exclusion: SOC348H1

Recommended Preparation: SOC313H1 or SOC355H1 or SOC362H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC451H1 Analysis and Interpretation of Survey Data [24L]**

Covers statistical methods currently used in the major sociological journals including multiple linear regression, logistic regression, and the fitting of loglinear models to tables of cross-classified categorical data. Stresses presentation skills and sociological interpretation of results. Restricted to 4th-year sociology specialists and majors.

Prerequisite: A 300+ level SOC course

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC452H1 Methods and Models of Demography [24L]**

Students learn to calculate life tables and total fertility rates, and apply these concepts in computer projections and simulations. Restricted to 4th-year sociology specialists and majors.

Prerequisite: A 300+ level SOC course

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC453H1 Studying Social Change Through the Census [24L]**

This research seminar uses Census data, broadly conceived, in the study of changes in gender, work and family in North America from 1871 to the present. We focus on quantitative (census enumerations) historical data related to North Atlantic Countries but will also explore what can be learned from contemporary newspaper stories, etc. Restricted to 4th-year sociology specialists and majors.

Prerequisite: A 300+ level SOC course (preferably selected from the Recommended Preparation list for this course)

Recommended Preparation: SOC303H1 or SOC312H1 or SOC317Y1 or SOC384H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC455H1 Researching from a Social Network Perspective (formerly SOC355Y1) [24L]**

The course will cover methods for analyzing social network data and familiarize students with software created for working with these data. Each student will complete an empirical research project.

Prerequisite: A 300+ level SOC course

Exclusion: SOC355Y1

Recommended Preparation: SOC300H1 or SOC302H1 or SOC356Y1 or SOC357H1 or SOC381Y1 or SOC388H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC465H1 Exploring the Complexities of Gender [24L]**

This course explores major questions about the nature of gender and gender inequality. The course requires a careful review of key theoretical and empirical work addressing one of these questions and the completion of a research project. Restricted to 4th-year sociology specialists and majors.

Prerequisite: SOC365H1 and at least .5 more FCEs at the SOC 300+ level (preferably selected from the Recommended Preparation list for this course)

Recommended Preparation: SOC214H1 or SOC366H1 or SOC367H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

# Sociology

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## **SOC477H1 Micro and Macro Theory (formerly SOC377H1) [24L]**

A selective introduction to major thinkers (such as Fanon, Blau, Collins) and approaches in contemporary sociological theory. Topics include: the structure-agency debate; methodological individualism; anti-colonialism. Restricted to 4th-year sociology specialists and majors.

Prerequisite: A 300+ level SOC course

Exclusion: SOC377H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC478H1 Social Context of Public Policy [24L]**

This course explores how policy processes and frameworks need to be evaluated in light of the social context in which they are developed. Factors to be considered include the interplay between public values and expectations and public policy; the implications of cultural diversity and demographic change, and understandings of ethical principles of conduct in public organizations. A related goal is to help students learn how to use empirical research to answer highly contested issues in policy circles and in public life. These objectives are pursued by introducing students to major trends in inequality in Canada, assessing these trends within a comparative context, reflecting on their normative implications, and examining alternative policy responses to these developments. Restricted to 4th-year sociology specialists and majors.

Prerequisite: A 300+ level SOC course (preferably selected from the Recommended Preparation list for this course)

Recommended Preparation: SOC301Y1 or SOC303H1 or SOC304H1 or SOC314H1 or SOC336H1 or SOC363H1 or SOC364H1 or SOC365H1 or SOC371H1 or SOC383H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC479H1 Social Movements [24L]**

This course focuses on current debates and research findings in the study of social movements. Restricted to 4th-year sociology specialists and majors.

Prerequisite: A 300+ level SOC course (preferably selected from the Recommended Preparation list for this course)

Exclusion: SOCC04H3

Recommended Preparation: SOC371H1 or SOC478H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC481H1 Culture and Social Networks [24L]**

Relationships between various forms of culture and the networks connecting both individual people and organizations creating culture. Restricted to 4th-year sociology specialists and majors.

Prerequisite: A 300+ level SOC course (preferably selected from the Recommended Preparation list for this course)

Recommended Preparation: SOC355H1 or SOC356Y1 or SOC381Y1 or SOC382H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC483H1 Culture and Cognition (Formerly SOC483Y1) [48L]**

This course examines the social foundations of thinking and action, with a focus on how individuals think and act through shared cognitive schemas that are embedded in larger social structures. The course is organized around a wide-ranging array of classical and contemporary theories that help explain the various factors that shape culture and cognition. There is a research component to put this analytical understanding into practice. Restricted to 4th-year sociology specialists and majors.

Prerequisite: A 300+ level SOC course

Exclusion: SOC483Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC484H1 Sociology of Immigrant Offspring [24L]**

Nearly one-quarter of Canada's population are immigrant offspring, defined as those who immigrate as children or those who are Canadian born with foreign born parents. This course examines sociological perspectives, language and bilingualism, racial and ethnic identities, family structure and relationships, marriage, education and labour market experiences of immigrant offspring. Restricted to 4th-year sociology specialists and majors.

Prerequisite: A 300+ level SOC course (preferably selected from the Recommended Preparation list for this course)

Recommended Preparation: SOC303H1 or SOC304H1 or SOC305H1 or SOC314H1 or SOC336H1 or SOC383H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC486H1 Advanced Topics in Urban Sociology (formerly SOC386Y1) [24L]**

This course offers real world observation and abundant examples that speak to the strengths and limitations of particular theory, data, and methods for studying urban problems. Students undertake a supervised research project that involves identifying, observing and reflecting on real phenomena in the urban environment. Restricted to 4th-year sociology specialists and majors.

Prerequisite: SOC205H1 and at least .5 FCEs at the SOC 300+ level (preferably selected from the Recommended Preparation list for this course)

Exclusion: SOC386Y1

Recommended Preparation: SOC312H1 or SOC336H1 or SOC364H1 or SOC384H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC487H1 Applications of Qualitative Analysis (formerly SOC387H1) [24L]**

This course gives students the opportunity to apply their understanding of the research process to the design and implementation of an original research project. Restricted to 4th-year sociology specialists and majors.

Prerequisite: SOC302H1 and at least .5 more FCEs at the SOC 300+ level

Exclusion: SOC387H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC488H1 Mental Health Over the Life Course [24L]**

This course is a research-based exploration of mental health at all stages of life, from birth to death. It emphasizes the long-term consequences for mental health of childhood adversities and disadvantage, major life transitions, and turning points in the life course. Restricted to 4th-year sociology specialists and majors.

Prerequisite: SOC202H1 or an equivalent statistics course

Exclusion: SOC494H1F (12/13) and SOC498H1S (14/15)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)



**SOC490Y1 Independent Research [TBA]**

Independent Research courses allow students to pursue a specific topic of interest. These courses are offered at the 400-level, as full or half courses. Students work independently with a professor in the Department who acts as research supervisor. There are no formal class meetings, lectures, or readings other than what is agreed to with the supervisor. Professors accept supervisory responsibility at their discretion. They are not required to serve as research supervisors. It is recommended that students approach a professor working in the same sub-discipline of sociology. Often students become interested in a topic through a SOC course and approach the instructor of that course for supervision; however, this is not required. Not eligible for CR/NCR option.

Prerequisite: Students must have completed 15.0 courses towards their degree, plus a SOC course at the 300+ level to be eligible for 400-level Independent Research. For further details, please visit our website  
at:[http://know.soc.utoronto.ca/index.php?option=com\\_content&task=view&id=62&Itemid=136](http://know.soc.utoronto.ca/index.php?option=com_content&task=view&id=62&Itemid=136)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC491H1 Independent Research [TBA]**

Independent Research courses allow students to pursue a specific topic of interest. These courses are offered at the 400-level, as full or half courses. Students work independently with a professor in the Department who acts as research supervisor. There are no formal class meetings, lectures, or readings other than what is agreed to with the supervisor. Professors accept supervisory responsibility at their discretion. They are not required to serve as research supervisors. It is recommended that students approach a professor working in the same sub-discipline of sociology. Often students become interested in a topic through a SOC course and approach the instructor of that course for supervision; however, this is not required. Not eligible for CR/NCR option.

Prerequisite: Students must have completed 15.0 courses towards their degree, plus a SOC course at the 300+ level to be eligible for 400-level Independent Research. For further details, please visit our website  
at:[http://know.soc.utoronto.ca/index.php?option=com\\_content&task=view&id=62&Itemid=136](http://know.soc.utoronto.ca/index.php?option=com_content&task=view&id=62&Itemid=136)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC492H1 Independent Research [TBA]**

Independent Research courses allow students to pursue a specific topic of interest. These courses are offered at the 400-level, as full or half courses. Students work independently with a professor in the Department who acts as research supervisor. There are no formal class meetings, lectures, or readings other than what is agreed to with the supervisor. Professors accept supervisory responsibility at their discretion. They are not required to serve as research supervisors. It is recommended that students approach a professor working in the same sub-discipline of sociology. Often students become interested in a topic through a SOC course and approach the instructor of that course for supervision; however, this is not required. Not eligible for CR/NCR option.

Prerequisite: Students must have completed 15.0 courses towards their degree, plus a SOC course at the 300+ level to be eligible for 400-level Independent Research. For further details, please visit our website  
at:[http://know.soc.utoronto.ca/index.php?option=com\\_content&task=view&id=62&Itemid=136](http://know.soc.utoronto.ca/index.php?option=com_content&task=view&id=62&Itemid=136) Note Independent Research courses SOC 490Y1, 491H1, and 492H1 are restricted. Deadline for submitting applications to Department, including supervisor's approval, is the first day of classes of the session. Strongly recommend earlier application as arrangements with supervisor are required in advance.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC493H1 Selected Topics in Sociological Research [TBA]**

An opportunity to explore a sociological topic in depth. Courses relate to instructor's area of research, so topics vary from year to year. Visit Department or consult the Departmental website for current course offerings. Restricted to 4th-year sociology specialists and majors.

Prerequisite: A SOC course at the 300+ level, plus instructor requirements (varies according to particular course offering; consult description at Departmental website for exact prerequisites)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC493Y1 Selected Topics in Sociological Research [TBA]**

An opportunity to explore a sociological topic in depth. Courses relate to instructor's area of research, so topics vary from year to year. Visit Department or consult the Departmental website for current course offerings. Restricted to 4th-year sociology specialists and majors.

Prerequisite: A SOC course at the 300+ level, plus instructor requirements (varies according to particular course offering; consult description at Departmental website for exact prerequisites)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC494H1 Selected Topics in Sociological Research [TBA]**

An opportunity to explore a sociological topic in depth. Courses relate to instructor's area of research, so topics vary from year to year. Visit Department or consult the Departmental website for current course offerings. Restricted to 4th-year sociology specialists and majors.

Prerequisite: A SOC course at the 300+ level, plus instructor requirements (varies according to particular course offering; consult description at Departmental website for exact prerequisites)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC494Y1 Selected Topics in Sociological Research [TBA]**

An opportunity to explore a sociological topic in depth. Courses relate to instructor's area of research, so topics vary from year to year. Visit Department or consult the Departmental website for current course offerings. Restricted to 4th-year sociology specialists and majors.

Prerequisite: A SOC course at the 300+ level, plus instructor requirements (varies according to particular course offering; consult description at Departmental website for exact prerequisites)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**SOC495Y1 Selected Topics in Sociological Research [TBA]**

An opportunity to explore a sociological topic in depth. Courses relate to instructor's area of research, so topics vary from year to year. Visit Department or consult the Departmental website for current course offerings. Restricted to 4th-year sociology specialists and majors.

Prerequisite: A SOC course at the 300+ level, plus instructor requirements (varies according to particular course offering; consult description at Departmental website for exact prerequisites)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

# Sociology

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## **SOC496H1 Selected Topics in Sociological Research [TBA]**

An opportunity to explore a sociological topic in depth. Courses relate to instructor's area of research, so topics vary from year to year. Visit Department or consult the Departmental website for current course offerings. Restricted to 4th-year sociology specialists and majors.

Prerequisite: A SOC course at the 300+ level, plus instructor requirements (varies according to particular course offering; consult description at Departmental website for exact prerequisites)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC497H1 Selected Topics in Sociological Research [TBA]**

An opportunity to explore a sociological topic in depth. Courses relate to instructor's area of research, so topics vary from year to year. Visit Department or consult the Departmental website for current course offerings. Restricted to 4th-year sociology specialists and majors.

Prerequisite: A SOC course at the 300+ level, plus instructor requirements (varies according to particular course offering; consult description at Departmental website for exact prerequisites)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC498H1 Selected Topics in Sociological Research [TBA]**

An opportunity to explore a sociological topic in depth. Courses relate to instructors area of research, so topics vary from year to year. Visit Department or consult the Departmental website for current course offerings. Restricted to 4th-year sociology specialists and majors.

Prerequisite: A SOC course at the 300+ level, plus instructor requirements (varies according to particular course offering; consult description at Departmental website for exact prerequisites)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **SOC499H1 Selected Topics in Sociological Research [TBA]**

An opportunity to explore a sociological topic in depth. Courses relate to instructor's area of research, so topics vary from year to year. Visit Department or consult the Departmental website for current course offerings. Restricted to 4th-year sociology specialists and majors.

Prerequisite: A SOC course at the 300+ level, plus instructor requirements (varies according to particular course offering; consult description at Departmental website for exact prerequisites)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **Note**

Graduate courses are available to 4th-year specialists with permission of the instructor and a minimum GPA of 3.3 for undergraduate program credit. Consult the Department for enrolment procedures.

## South Asian Studies Programs

Students study South Asia in an approach attentive to global formations. They are introduced to the study of South Asia—Bangladesh, India, Pakistan, Nepal, Sri Lanka—through a wide angle view of Asian modernities, political economies, and cultures, all the while delving into to specialist close-ups of South Asia. With open access to comparative courses in the Contemporary Asian Studies program, students can learn from tenured and tenure-track faculty specialists in South, East, and Southeast Asia.

With a curriculum motivated by the moving present—the changing face of South Asia today—the South Asian Studies minor offers rigorous training in major debates and questions in the rich field of South Asian Studies, and provides a basic foundation for many directions of future study. From historical contexts of ethnic conflict, to postcolonial readings of ancient traditions, to the politics of religious and ethnic identities, to the workings of vast-scale democracy and capitalism, to the worlds of cinema and public culture, students are exposed to the dynamic landscapes—political, material, and mythic—that constitute South Asia today.

### Contact:

Program Administrator  
Munk School of Global Affairs, 1 Devonshire Place, room 228N  
ai.asianstudies@utoronto.ca  
416-946-8832

### South Asian Studies Minor (Arts Program)

(4 full courses or their equivalent)

1. SAS114H1
2. CAS200Y1 or (CAS201H1 and CAS202H1)
3. SAS318H1 or HIS282Y1
4. CAS310H1 or CAS320H1
5. Additional 1.0 or 1.5 FCEs (as necessary to total 4.0 FCEs in minor) from the list of eligible courses found below.

### Courses Eligible for Program Credit

In addition to SAS courses and CAS courses with significant South Asia content, students may choose from the following courses as electives. For full course descriptions, please check with the sponsoring departments. Not all electives are offered every year. Students are responsible for checking co- and pre-requisites for all elective courses as well as priority controls. Students who wish to count courses towards the program that are not listed here (including U of T courses and transfer credits) must seek permission from the program director IN ADVANCE. Course approval is not guaranteed and will be given at the discretion of the program director. Please consult the program administrator at ai.asianstudies@utoronto.ca with questions.

CDN230H1	Asian Canadian History
ENG369H1	South Asian Literatures in English
FAH364H1	Visual South Asia*
FAH466H1	Photography in India
HIS282Y1	History of South Asia
HIS470H1	Rights in South Asia

HIS480H1	Modernity and Its Others: History and Postcolonial Critique
HIS494H1	Gandhi's Global Conversations
HIN212Y5Y	Introduction to Hindi (at UTM)
HIN312Y5Y	Intermediate Hindi (at UTM)
LGGA70H3	Introductory Hindi I (at UTSc)*
LGGA71H3	Introductory Hindi II (at UTSc)*
MUS209H1	Performing Arts of South Asia
NEW214Y1	Socially Engaged Buddhism
POL328H1	Politics and Government in South Asia*
POL357Y1	Topics in South Asian Politics
POL441H1	Topics in Asian Politics
RLG205H1	Hinduism
RLG311H1	Gender, Body and Sexuality in Asian Traditions
RLG358H1	Special Topics in Hinduism
RLG361H1	Hinduism in the Diaspora
RLG363H1	Bhakti Hinduism
RLG364H1	Hinduism and Contemporary Media
RLG365H1	Modern Hinduism
RLG366H1	Hindu Philosophy (Godless India)
RLG368H1	Yoga and Ayurveda
RLG373H1	Buddhist Ritual
RLG375H1	Buddhist Thought
RLG376H1	Buddhism in South and Southeast Asia
RLG377H1	Theravada Literature
RLG378H1	Himalayan Buddhism
RLG462H1	Newar Religion
RLG463H1	Topics in Buddhist Thought
RLG464H1	History and Historiography of Buddhism
RLG465H1	Readings in Buddhist Texts*
RLG467H1	Buddhist Institutions
RLG472H1	Religion and Aesthetics in South Asia
SOC218H1	Asian Communities in Canada

\*Courses for which South Asian Studies students have priority enrolment

## South Asian Studies Courses

# South Asian Studies

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## **SAS114H1 Introduction to South Asian Studies (formerly SAS114Y1) [24L]**

An interdisciplinary introduction to South Asian Studies emphasizing inquiry and critical analysis, drawing attention to the specificities of individual nations as well as the factors (historical, political, economic and cultural) that define South Asia as a region. Some attention will be paid to the South Asian Diaspora.

Exclusion: NEW114Y1, SAS114Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **SAS318H1 Colonialism and Tradition [24L]**

This course analyzes the impact of colonialism in South Asia and the various ways in which tradition intersect with and reshape colonialism in postcolonial South Asia. The course will examine the role of religion, education, ethnicity, gender, and caste. Some attention will be paid to postcolonial and indigenous theory.

Prerequisite: At least 6 FCEs

Recommended Preparation: SAS114H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **SAS390H1 Special Topics in South Asian Studies [24L]**

Course content varies in accordance with the interest of the instructor.

Prerequisite: SAS114H1 and at least 9 FCEs, or permission from the instructor.

Distribution Requirement Status: Humanities or TBA

Breadth Requirement: TBA

## **CAS201H1 Asian Sites, Global Questions, Part 1 (Formerly CAS200Y1) [24L]**

This course, along with CAS202H1, addresses Asia empirically in contemporary global formations and as an idea in the global imagination. It introduces students to critical research methods and scholarship on Asia and its transnational formations. At the same time, it grapples with contemporary global problems, as well as Asian-Canadian connections posed by the unique configurations of politics, economy, culture and historical memory in contemporary Asian sites. Interdisciplinary analytical and research methods are introduced to provide area studies grounding and conceptual framing. This course provides preparation to delve into located Asia-based studies to ask universal questions on the nature of democracy, authoritarianism, markets, social justice, and the meanings and media for cultural expression. It informs students aiming to take more advanced courses on Asia and globalization and provides the foundation for the Contemporary Asian Studies major and minor. CAS201H1 introduces students to basic social science frameworks in the study of global Asia.

Prerequisite: 4 FCEs

Exclusion: CAS200Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CAS202H1 Asian Sites, Global Questions, Part 2 (Formerly CAS200Y1) [24L]**

This course, along with CAS201H1, addresses Asia empirically in contemporary global formations and as an idea in the global imagination. It introduces students to critical research methods and scholarship on Asia and its transnational formations. At the same time, it grapples with contemporary global problems, as well as Asian-Canadian connections posed by the unique configurations of politics, economy, culture and historical memory in contemporary Asian sites. Interdisciplinary analytical and research methods are introduced to provide area studies grounding and conceptual framing. This course provides preparation to delve into located Asia-based studies to ask universal questions on the nature of

democracy, authoritarianism, markets, social justice, and the meanings and media for cultural expression. It informs students aiming to take more advanced courses on Asia and globalization and provides the foundation for the Contemporary Asian Studies major and minor.

CAS202H1 puts the frameworks introduced in CAS201H1 in conversation with practical methods in applied/policy studies.

Prerequisite: CAS201H1

Exclusion: CAS200Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CAS310H1 Comparative Colonialisms in Asia [24L]**

This course analyzes the impact of colonialism in South, East, and Southeast Asia and the various ways in which pre-colonial traditions intersect with and reshape colonial and postcolonial process across the various regions of Asia. The course will examine the conjunctures of economy, politics, religion, education, ethnicity, gender, and caste, as these have played out over time in the making and re-making of Asia as both idea and place. Attention will be paid to postcolonial and indigenous theories, questions of 'the colonial' from the perspective of Asian Studies, and debates about the meaning of postcolonialism for the study of Asia now and in the future.

Prerequisite: CAS200Y1 or CAS201H1

Recommended Preparation: CAS202H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **CAS320H1 Comparative Modernities in Asia [24L]**

Since at least the late 1700s, the effects of capitalism across the globe have profoundly transformed the landscapes of human livelihood, consumption, production and governance in Asia. While colonial empires have declined, new empires have emerged, and a growing number of countries have witnessed the rise of nationalism and independent states, social, political and technological revolutions, and most recently neoliberal globalization. This course theorizes and explores these dramatic changes in a comparative framework. It is aimed at students wishing to better understand the great transformations of modern Asia in a global context.

Prerequisite: CAS200Y1 or CAS201H1

Recommended Preparation: CAS202H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **CAS350H1 Asian Youth Cultures [24L]**

In focusing on youth in Asia, this course brings together two disputed cultural formations of substantial contemporary importance. Both youth and Asia are increasingly invoked on the global stage in support of a wide range of interests. Examining practices of young people and the idea of youth in the context of Asia requires critical attention to the promises and fears that attach to the rise of Asian economies, international demographic transitions, the growth of a global middle-class, increasing consumption disparities, changing immigration patterns, expanding technological skills, global/local environmental concerns, and young people's shifting political priorities and loyalties. The course may consider: youth subcultures, styles, music, and politics.

Prerequisite: Minimum of 6 FCEs

Recommended Preparation: CAS200Y1 or CAS201H1 and CAS202H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Creative and Cultural Representations (1)

## CAS360H1 Asian Genders [24L]

This course will explore ways that gender is mobilized and produced in parts of Asia. It seeks to understand gender in its diversity and in attempts to "fix" or locate it in various bodies and places. Attempts will be made to see how gender is made knowable in terms of sexuality, medicine, nation, class, ethnicity, religion, and other discourses.

Prerequisite: Minimum of 6 FCEs

Recommended Preparation: CAS200Y1 or CAS201H1 and CAS202H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## CAS370H1 Asian Cities [24L]

This course offers a multidisciplinary perspective of urban life in Asia. The thematic focus will be on how the urban intersects with modernities and postcolonial formations. Drawing on recent scholarship in the social sciences and the humanities, we will examine the realignment of cultural, political, and economic forces associated with Asia's diverse processes of urbanization.

Prerequisite: Minimum of 6 FCEs

Recommended Preparation: CAS200Y1 or CAS201H1 and CAS202H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## CAS390H1 Special Topics [24L]

Course content varies in accordance with the interest of the instructor. Check <http://munkschool.utoronto.ca/ai/cas> for an updated description.

Prerequisite: Minimum of 6 FCEs

Recommended Preparation: CAS200Y1 or CAS201H1 and CAS202H1

Distribution Requirement Status: Social Science

Breadth Requirement: None

## CAS393H1 Independent Research [TBA]

Supervised independent research on a topic agreed on by the student and supervisor before enrolment in the course. Open to advanced students with a strong background in contemporary Asian studies. A maximum of one year of Independent Research courses is allowed per program. Contact hours with the supervisor may vary, but typically comprise of one hour per week. Not eligible for CR/NCR option.

Prerequisite: At least 10 FCEs, permission from Program Director

## CAS393Y1 Independent Research [TBA]

Supervised independent research on a topic agreed on by the student and supervisor before enrolment in the course. Open to advanced students with a strong background in contemporary Asian studies. A maximum of one year of Independent Research courses is allowed per program. Contact hours with the supervisor may vary, but typically comprise of one hour per week. Not eligible for CR/NCR option.

Prerequisite: At least 10 FCEs, permission from Program Director

Distribution Requirement Status: Social Science

Breadth Requirement: None

## CAS400H1 Interdisciplinary Research Methods in Contemporary Asian Studies (Formerly CAS400Y1) [24S]

This seminar addresses Asian worlds –In Asia, transnationally, and locally –to cultivate new approaches to global processes and problems. The course explores key Asian sites that open new configurations for studying interactions between economic/environmental development, political change, and migration and cultural politics. It provides an advanced and systematic overview of the research methodologies that students have been exposed to throughout the CAS program. These include historical-archival, ethnographic, visual/media, and statistical/quantitative methods that allow us to map Asian political,

economic, and cultural formations, and through them, global challenges. The seminar builds interdisciplinary conversations attentive to both critical problematizing and problem-solving, to qualitative and applied projects. Together with CAS450H1, it is the required capstone to the Contemporary Asian Studies major.

Prerequisite: CAS200Y1/(CAS201H1, CAS202H1); CAS310H1

Exclusion: CAS400Y1

Recommended Preparation: CAS320H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## CAS414H1 Public Culture and Media in Asia [24S]

This upper-level seminar will introduce students to the interdisciplinary study of popular culture and mass-mediated cultural forms in Asia. Through readings about popular protest, festivals, cinema, print, television, and music this course provides methodological tools to interpret the politics of representation and the formation of alternative modernities in the Asian continent and among the diaspora. The course will furthermore familiarize students with a range of theoretical lenses for conceptualizing the different meanings of the public from a modern Asian perspective.

Prerequisite: At least 14 FCEs

Exclusion: NEW414H1, SAS414H1

Recommended Preparation: CAS200Y1 or CAS201H1 and CAS202H1

Distribution Requirement Status: Social Science

Breadth Requirement: Creative and Cultural Representations (1)

## CAS420H1 Asia and the New Global Economy (formerly JPA420H1) [24S]

This course explores the rise of Asia and its integration into the new global economy (labour, capitalism, knowledge economy, economic nationalism, inequality, gender, the meaning of capitalism, democracy, among others), exposing students to diverse disciplinary perspectives. Geographical coverage is pan-Asian, including East, Southeast and South Asia.

Prerequisite: At least 14 FCEs

Exclusion: JPA420H1

Recommended Preparation: CAS200Y1 or CAS201H1 and CAS202H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## CAS430H1 Nationalism and Revolution in Asia [24L]

This course explores the far-reaching social, political, and cultural transformations in modern East, Southeast, and South Asia, focusing on the twentieth-century revolutionary histories and struggles to establish modern nation-states. The course adopts a topical approach within a chronological and comparative framework to highlight major historical movements and theoretical issues significant to the Asian experience.

Prerequisite: At least 14 FCEs

Exclusion: HIS382H1, ASI430H1

Recommended Preparation: CAS200Y1/(CAS201H1, CAS202H1), CAS310H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## CAS450H1 Asian Pathways Research Practice (Formerly CAS400Y1) [24S]

This seminar builds on the systematic overview of research methodologies of the Contemporary Asian Studies major and its capstone course, CAS400H1. CAS450H1 provides students with the opportunity to research questions of contemporary relevance stemming from Asia and its transnational networks and communities. Addressing a range of methodologies, including historical-archival, ethnographic, visual/media, and statistical/quantitative, the course emphasizes

## South Asian Studies

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research experience outside the classroom, in Asia as well as locally with communities in Toronto. Students will develop their own research contributions while working collaboratively.

Prerequisite: At least 14 FCEs, including CAS200Y1/(CAS201H1, CAS202H1); CAS310H1; CAS400H1

Exclusion: CAS400Y1

Recommended Preparation: CAS320H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **CAS498H1 Independent Research [TBA]**

Supervised independent research on a topic agreed on by the student and supervisor before enrolment in the course. Open to advanced students with a strong background in contemporary Asian studies. A maximum of one year of Independent Research courses is allowed per program. Contact hours with the supervisor may vary, but typically comprise of one hour per week. Not eligible for CR/NCR option.

Prerequisite: At least 14 FCEs including CAS200Y1/(CAS201H1 and CAS202H1), CAS310H1; enrolment in the Contemporary Asian Studies major or minor, and permission from the Program Director

Recommended Preparation: CAS320H1

Distribution Requirement Status: Social Science

Breadth Requirement: None

### **CAS498Y1 Independent Research [TBA]**

Supervised independent research on a topic agreed on by the student and supervisor before enrolment in the course. Open to advanced students with a strong background in contemporary Asian studies. A maximum of one year of Independent Research courses is allowed per program. Contact hours with the supervisor may vary, but typically comprise of one hour per week. Not eligible for CR/NCR option.

Prerequisite: At least 14 FCEs including CAS200Y1/(CAS201H1, CAS202H1), CAS310H1; enrolment in the Contemporary Asian Studies major or minor, and permission from the Program Director

Recommended Preparation: CAS320H1

Distribution Requirement Status: Social Science

Breadth Requirement: None

## Faculty

### Professors Emeriti

J.F. Burke, MA, Ph D  
 K.A.A. Ellis, MA, Ph D, Dr Fil, FRSC  
 R.J. Glickman, AM, Ph D  
 J. Gulsoy, MA, Ph D, D Honoris Causa, FRSC  
 O. Hegyi, MA, Ph D (UTM)  
 P.R. Len, MA, Ph D (S)  
 E.G. Neglia, MA, Ph D (UTM)  
 A. Percival, MA, Ph D  
 W.L. Rolph, MA, Phil M (I)  
 R. Skyrme, MA, M Litt, Ph D (S)  
 R. Sternberg, MA, PH D (SM)  
 M.J. Valdés, MA, Ph D, FRSC, Miembro Correspondiente de la Academia Mexicana (U)  
 J.R. Webster, MA, Ph D, FRSC (SM)

### Professor and Chair

L. Colantoni, MA, Ph D

### Professors

A.T. Pérez-Leroux, MA, Ph D (V)  
 R. Sarabia, MA, Ph D  
 S. Rupp, MA, M Phil, Ph D (V)

### Associate Professors

S. Antebi, MA, Ph D  
 M.C. Cuervo, MA, Ph D  
 R. Davidson, MA, Ph D  
 E. Jagoe, MA, Ph D  
 S. Munjic, MA, Ph D  
 N.E. Rodríguez, Ph D

### Assistant Professor

Y. Iglesias, MA, Ph D

### Associate Professor, Teaching Stream

M. Ramírez, MA, Ph D

### Lecturer

I. Fernández Peláez, MA, Ph D

## Introduction

### Overview:

Spanish is the most widely spoken language of the Americas, with 130 million speakers in North America alone, more than 400 million worldwide, and with growing numbers in Canada. It is the fourth most widely spoken language in the world, and it is the official language in 21 countries on three continents: Europe, Africa, and Latin America.

Spanish opens the door to the study of a rich range of cultural expressions in literature, film and art, from medieval and early modern Transatlantic world, to the literary and cultural productions of contemporary Spanish and Spanish American societies. The department offers a wide selection of courses at the introductory (second year), intermediate (third year) and advanced (fourth year) level in literature, culture and linguistics. Students are encouraged to complement and

expand on the training they receive in these courses by taking courses in other academic units. By the time of their graduation, our students acquire skills to read analytically fictional and non-fictional, literary and visual texts. They thus gain a deep knowledge of Hispanic cultures, as well as the skills to reflect critically on the world in which they live.

Spanish also opens the door to the study of the Romance language family. The Department offers students the opportunity to advance their language skills through the systematic reflection on the language structure, from the sound system to the morphology and syntax. Through a variety of courses with a theoretical and experimental focus in linguistics, students acquire basic skills that can be transferred to teaching or research programs. Through collaboration with other language and linguistics programs, students are provided with opportunities and training to conduct research in linguistics with a focus on Spanish language.

### What can I do with a degree in Spanish?

Plenty! Spanish is recognized as one of the four United Nations official languages. A degree in Spanish linguistics, literature, and culture opens up career paths both domestically and internationally. The skills that students acquire through the study of Spanish and of the Spanish-speaking world either prepare them directly for, or are an asset in some of the following fields:

- media, journalism, marketing, public relations;
- domestic government services and NGOs; foreign services and foreign affairs specialist; international development; political aid,
- commerce, finances, tourism and hospitality
- post-graduate studies and academic careers; cultural work
- editing, publishing, translation, education
- library and information sciences
- careers in the health profession, including medicine, speech pathology and audiology
- computational linguistics, speech recognition and synthesis

For the Portuguese component, see under "Portuguese Program" in this Calendar.

For further information, please visit us in the Department of Spanish and Portuguese,

Victoria College, Room 208

or contact us at: (416) 813-4080.

Email: [spanport@chass.utoronto.ca](mailto:spanport@chass.utoronto.ca)

Undergraduate Coordinator: Professor Sanda Munjic (416) 813-4082.

E-mail: [spanport.undergraduate@utoronto.ca](mailto:spanport.undergraduate@utoronto.ca)

Web site: [www.spanport.utoronto.ca](http://www.spanport.utoronto.ca)

The Department offers Specialist, Major and Minor programs, as well as language citation certificate.

### How is the program structured?

# Spanish

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For many students, our program begins with the language sequence.

## Language sequence:

1. The Department reserves the right to place students in the language course best suited to their linguistic preparation.
2. Students who, in the department's assessment, have an adequate knowledge of Spanish may be required to take a Spanish literature, culture or linguistics course instead of a language course at any level.

The progression of courses in the language sequence is designed to accommodate a wide range of previous language experience. Students are placed in the appropriate language course based on their proficiency, as determined by the **on-line placement test** and **departmental assessment**.

## Placement test:

Students who have studied Spanish before joining the department should take the on-line placement test by going to the following link:

<http://spanport.utoronto.ca/undergraduate/spanish> ("Placement test")

Please, read carefully the instructions that explain how to take the test.

**The placement test can be taken only once.** Should the student be able to take the test more than once, the results of the first test will be used to determine the placement.

If you cannot assess your placement level from the available information, please contact the Undergraduate Coordinator at: [spanport.undergraduate@utoronto.ca](mailto:spanport.undergraduate@utoronto.ca) and you will receive personal advice for placement in the language sequence.

## Students with no previous knowledge of Spanish: enrol in SPA100Y1.

The recommended sequence of language courses for those students who have had little or no previous training in the language is the following:

SPA100Y1 -> SPA220Y1 -> SPA320Y1 -> SPA420H

## Students with previous knowledge of Spanish: take the placement test.

Students who have studied Spanish before joining the department may enrol in several courses –beginners', intermediate or advanced –depending on their background and their level of preparation. This includes those students who have travelled or lived briefly in the Spanish-speaking world.

The recommended sequence of language courses for those students who join the department having mastered a beginner's level of Spanish, including those who successfully completed **SPA100Y1**, is the following:

SPA220Y1 -> SPA320Y1 -> SPA420H

The recommended sequence of language courses for those students who join the department having mastered an intermediate level of Spanish, including those who have successfully completed **SPA220Y1**, is the following:

SPA320Y1 -> SPA420H

## Native or bilingual speakers of Spanish:

Those students who have native fluency in Spanish because they have had a life-long exposure to spoken Spanish in an informal context (i.e., those who have lived in a Spanish-speaking country, or those who live in a Spanish-speaking family) –should enrol in **SPA219Y1**. Students who

qualify for this course have distinctly different learning needs than those students who learned Spanish as a foreign language. They have a native knowledge of the language, and are able to understand and speak Spanish, but they have had little or no exposure to written Spanish. The recommended language sequence for such students is the following: SPA219Y1 -> SPA420H

Students who have completed the equivalent of a high school degree or higher level of education in a Spanish-speaking country can skip the language sequence. However, if they have not studied descriptive grammar, they should enrol in **SPA420H1**. Please consult the Undergraduate Coordinator for placement advice.

Fluent (native) speakers of Spanish who have received high school degree, or a higher level of education in Spanish language, and who in the department's assessment do not need further training in language, may enrol immediately in any literature, culture or linguistics course.

Throughout the language sequence, stress is laid both on the cultural component of language acquisition and on the range of practical applications to which both the spoken and the written language may be put. Courses in business Spanish and in the structure of the Spanish language provide an array of possible options for students in the upper years.

## Literature, culture and linguistics courses:

Students are encouraged to enrol early on in their academic career in several second-year courses as they transition from the language sequence (SPA219Y1 / SPA220Y1 / SPA320Y1) into the third and fourth year courses in literature, culture and linguistics.

SPA258H1 is a foundational course for the students who plan to pursue a major or a specialist degree in Spanish. While permitting students to advance their skills in reading and composition, this course also introduces information literacy, and the terms and methods of literary analysis through study of a wide selection of brief literary texts. Intermediate level students (SPA220Y1) who are comfortable reading short texts, and who have well developed writing and speaking skills for the intermediate level, may take that course while enrolled in SPA220Y1 (preferable in their second semester of SPA220Y1). Others should complete SPA220Y1 before taking SPA258H1.

The other courses offered in the 200-series (SPA221H1 and SPA259H1) are not required for a Specialist or Major degree, but are recommended for students who need to hone their language skills before advancing to the upper level literature, culture and linguistics courses.

SPA221H1 (Spanish Pronunciation) is a companion course to SPA220Y1. Students who are interested in this course are best advised to enrol while taking SPA220Y1.

SPA259H1 is a course that introduces students to the techniques of cultural analysis. Although not a degree requirement, this course is a popular option for students enrolled in the program. It has the same language requirements as SPA258H1 (students can take it either while enrolled in SPA220Y1, or upon completion of SPA220Y1).

**Following the language sequence**, and upon successfully completing SPA258H1, students pursuing a specialist and major degrees will fulfil in the due course of their university career the remaining degree requirements:



- One half-course in Hispanic linguistics from the 300/400 series
- One half course in Spanish peninsular literature from the 300/400 series
- One half course in Spanish American literature from the 300/400-series
- SPA420H1
- SPA454H1

SPA420 (Advanced Grammar) and SPA454 (Cervantes: *Don Quijote*) are the capstone courses in the Spanish program. Students should plan to take these courses towards the end of their university studies, as by that time they will have acquired language fluency, and become versed in the reading of extended and complex texts in Spanish, and will have honed their skills in textual analysis.

Students should contact the Undergraduate Coordinator early on in the course of their university career to receive advice on how to proceed with their studies, and to thus assure that they can receive their degree by the time of planned graduation. For further information, please visit us in the Department of Spanish and Portuguese,

Victoria College, Room 208

or contact us at: (416) 813-4080. Email: [spanport@chass.utoronto.ca](mailto:spanport@chass.utoronto.ca)

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Web site: [www.spanport.utoronto.ca](http://www.spanport.utoronto.ca)

## Spanish Programs

Enrolment in the Spanish programs requires the completion of four degree courses; no minimum GPA required.

### Spanish Specialist (Arts program)

Consult Professor Sanda Munjic, Department of Spanish and Portuguese.

(10 full courses or their equivalent, including at least one 400-series course)

First Year:  
SPA100Y1/SPA220Y1; SPA219Y1 (for native/bilingual speakers of Spanish)

Second Year:  
SPA220Y1/SPA320Y1; SPA420H1 (for speakers who have taken SPA219Y1 in first year)

SPA258H1

Third and Fourth Years:

1. [SPA320Y1](#)

2. One half-course in Hispanic linguistics from the 300/400 series

3. One half course in Spanish peninsular literature from the 300/400 series

4. One half course in Spanish American literature from the 300/400-series

5. SPA420H1

6. SPA454H1

7. Additional SPA courses to make the equivalent of 10 courses. Up to two full-course equivalents may be taken from cognate departmental or college offerings: GGR, HIS, LAS, LIN, POL, PRT. A complete list of eligible courses is available from the Undergraduate Coordinator. Students interested in Latin America are encouraged to take an introductory course in Portuguese ([PRT100Y1/PRT120Y1](#)).

### Spanish Major (Arts Program)

Consult Professor Sanda Munjic, Department of Spanish and Portuguese.

(7 full courses or their equivalent)

First Year:  
SPA100Y1/SPA220Y1; SPA219Y1 (for native/bilingual speakers of Spanish)

Second Year:  
SPA220Y1/SPA320Y1; SPA420H1 (for speakers who have taken SPA219Y1 in first year)

SPA258H1

Third and Fourth Years:

1. [SPA320Y1](#)

2. One half-course in Hispanic linguistics from the 300/400 series

3. One half course in Spanish peninsular literature from the 300/400 series

4. One half course in Spanish American literature from the 300/400-series

5. SPA420H1

6. SPA454H1

7. Additional SPA courses to make seven courses. Up to one full-course equivalent may be taken from cognate departmental or college offerings: GGR, HIS, LAS, LIN, POL, PRT. A complete list of eligible courses is available from the Undergraduate Coordinator. Students interested in Latin America are encouraged to take an introductory course in Portuguese ([PRT100Y1/PRT120Y1](#)).

### Spanish Minor (Arts Program)

Consult Professor Sanda Munjic, Department of Spanish and Portuguese.

(4 full courses or their equivalent)

First Year:

[SPA100Y1/SPA220Y1](#); [SPA219Y1](#) (for native/bilingual speakers of

# Spanish

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Spanish)

Second Year:

[SPA220Y1/SPA320Y1](#);

Third Year:

[SPA320Y1](#)

Additional SPA courses to make four (4.0 FCE) courses. Up to one full-course (1.0 FCE) equivalent of cognate credit may be taken in Portuguese.

## Faculty of Arts & Science Language Citation

The Department of Spanish and Portuguese participates in the Faculty of Arts and Science's Language Citation initiative for Spanish. For a full description of the Language Citation requirements, see the Calendar in the "Degree Requirements" section.

To complete the language citation in Spanish students will normally complete the two language-sequence courses that follow the introductory level:

[SPA220Y1](#)

[SPA320Y1](#)

Native and bilingual speakers should complete [SPA219Y1](#) and two additional half-courses in Spanish in the 300- or 400-series.

Students should note that, as explained in this Calendar, the Language Citation is not equivalent to an academic program and that enrolment in a program is not necessary in order to earn the recognition bestowed by the Citation.

To request the citation, e-mail your request with your student ID number to the Undergraduate Coordinator ([spanport.undergraduate@utoronto.ca](mailto:spanport.undergraduate@utoronto.ca)).

## Spanish: see also European Studies, Latin American Studies

Spanish: see also European Studies, Latin American Studies

## Spanish Courses

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### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

## Notes

1. The Department reserves the right to place students in the language course best suited to their linguistic preparation.
2. Students who, in the department's assessment, have an adequate knowledge of Spanish may be required to take a Spanish literature, culture or linguistics course instead of a language course at any level.

3. All courses are taught in Spanish unless otherwise specified.

### **SPA100Y1 Spanish for Beginners [48L/48T]**

Introduction to the Spanish language for beginning students; overview of basic grammatical structures, development of vocabulary and oral and written expression.

Prerequisite: No previous knowledge of Spanish, or placement test results.

Exclusion: SPA219Y1, SPA319Y1, SPA220Y1, SPA320Y1, SPA420H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **SPA219Y1 Academic Spanish [48L/24T]**

For native (heritage) speakers who have had exposure to spoken Spanish in an informal context (i.e. living in a Spanish-speaking country; or with a Spanish-speaking family), but little to no exposure to written Spanish. The students' ability to speak and understand Spanish may range from basic to relatively high fluency, but they cannot write and/or read Spanish. The course reviews English/Spanish spelling differences; written and spoken registers of Spanish, and basic aspects of the grammatical system. Provides students with the essential understanding of Spanish grammatical system; builds their vocabulary; and trains them to express themselves formally.

Prerequisite: Basic to relatively high native ability to speak and understand Spanish; limited or no formal education in Spanish.

Exclusion: SPA100Y1, SPA220Y1, SPA320Y1, SPA319Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **SPA220Y1 Intermediate Spanish [48L/48T]**

Intermediate Spanish for non-native speakers. Intensive grammar review of the structures of Spanish integrated with an introduction to reading authentic Spanish material, with practice designed to build vocabulary and to improve oral and written expression.

Prerequisite: SPA100Y1 or placement test.

Exclusion: SPA219Y1, SPA319Y1, SPA320Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

### **SPA221H1 Spanish Pronunciation (formerly SPA321H1) [24L]**

A practical introduction to articulatory phonetics, Spanish sound patterns, phonetics, phonology; the basic concepts of phonetic description and transcription; the study of Spanish vowel and consonant systems, stress and intonation.

Prerequisite: SPA100Y1

Corequisite: SPA220Y1

Exclusion: SPA219Y1; native speakers of Spanish; SPA321H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

### **SPA254H1 Cervantes and Modern Fiction [24L]**

Critical reading of Don Quixote as a canonical text for the novel and other narrative forms, including historical metafiction, the short story, and fictional autobiography. Comparative discussion of Quixotic fictions by modern authors, such as Machado de Assis, Borges, Nabokov, García Márquez, Junot Díaz. Lectures and readings in English.

Prerequisite: None

Exclusion: Does not count towards a degree in Spanish.

Recommended Preparation: None

Breadth Requirement: Creative and Cultural Representations (1)

**SPA255Y0 Introduction to the Hispanic World [48L]**

A survey of Hispanic Culture, with attention to central issues in history, politics, and popular traditions. Course will be taught in English.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**SPA258H1 Introduction to Hispanic Literary Studies [36L]**

Introduction to university literary studies in Spanish and information literacy. Representative selection of Spanish and Spanish American prose, poetry, and drama, with focus on critical terminology and methods of literary analysis. Required for a program degree.

Prerequisite: First semester SPA220Y1

Corequisite: SPA220Y1/SPA219Y1

Recommended Preparation: SPA220Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**SPA259H1 Introduction to Hispanic Cultural Studies [24L]**

Forms of cultural expression in Spain, Latin America and Spanish-speaking North America, with study of representative media, including literature, journalism, film, visual art, and the urban environment.

Introduction to methods of cultural analysis. (Offered in alternate years).

Prerequisite: Minimum 1st semester of SPA220Y1

Corequisite: SPA220Y1/SPA219Y1

Recommended Preparation: SPA220Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**SPA299Y1 Research Opportunity Program**

Credit course for supervised participation in faculty research project.

Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

**SPA320Y1 Advanced Spanish [48L/48T]**

Advanced Spanish for non-natives. Selective review of grammar with emphasis on the complex sentence; intensive practice in written and oral expression to improve proficiency.

Prerequisite: SPA220Y1 or placement test.

Exclusion: SPA219Y / SPA319Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**SPA322H1 Introduction to Hispanic Linguistics [24L/12T]**

The basic concepts and analytic tools of linguistics applied to the study of Spanish, with a focus on the Spanish phonological, morphological, and syntactic systems. Theoretical discussion and practical exercises in analytic techniques.

Prerequisite: SPA220Y1/SPA219Y1; or instructor's permission

Recommended Preparation: SPA221H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**SPA323H1 Business Spanish (formerly SPA323Y1) [24L]**

Practical uses of spoken and written Spanish for business contexts. This course builds on grammar and vocabulary knowledge already acquired at the intermediate level, and is directed primarily at students pursuing a second major in Latin American Studies or European Studies.

Prerequisite: SPA220Y1/SPA219Y1

Exclusion: SPA323Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**SPA324H1 Spanish Bilingualism [24L]**

Spanish bilingualism from three different perspectives: linguistic, sociolinguistic, psycholinguistic. Analysis of typical language contact phenomena with materials from Spanish. Case studies of Spanish in contact and discussion of the psychological consequences of bilingualism. Introduction to survey methods in sociolinguistics and psycholinguistics, and basic techniques for conducting language interviews. (Offered in alternate years)

Prerequisite: SPA220Y1/SPA219Y1

Recommended Preparation: SPA221H1/SPA322H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**SPA326H1 Latin American Varieties of Spanish Through the Media [36L]**

This course aims at exposing students to different varieties of Latin American Spanish. Lexical, morpho-syntactic and phonological variation will be discussed and theoretical descriptions will be illustrated by using samples from contemporary cinema and television. (Offered in alternate years)

Prerequisite: SPA220Y1/SPA219Y1

Recommended Preparation: SPA221H1/SPA320Y1/SPA322H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**SPA327Y1 Catalan (formerly SPA325H1) [48L]**

Study of Catalan language through an overview of grammatical structures and exercises in proficiency skills, complemented by readings in Catalan history and society to attain interdisciplinary cultural literacy. (Offered every three years)

Prerequisite: SPA220Y1/SPA219Y1 or any other 200 level Romance Language.

Exclusion: SPA325Y1/SPA325H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**SPA341H1 Modernist Movements in Spain [24L]**

Literary and artistic movements in Spain from 1890 to 1940, with special attention to the convergence and mutual mediation of politics and art. Materials to be studied include novels, poetry, the urban environment, graphic art, literary journals and manifestos, and some early Hispanic film. (Offered every three years)

Prerequisite: SPA220Y1/SPA219Y1

Recommended Preparation: SPA258H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**SPA345H1 Spanish Cinema [24L]**

Analysis of the development of Spanish Cinema within its social and political contexts. Directors studied include Buñuel, Bardem, Erice, Saura, Almodóvar and Bigas Luna. (Offered every three years).

Prerequisite: SPA220Y1/SPA219Y1

Recommended Preparation: SPA258H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SPA348H1 Galdós and the Realist Novel [24L]**

Representative fiction by Galdós, the principal Spanish novelist of the nineteenth century. Detailed study of such texts as *Marianela*, *Doña Perfecta*, *La desheredada*, *Realidad*, *La incognita*, in relation to modernity of realist fiction and contemporary issues in politics, social relations and individual psychology. (Offered every three years)

Prerequisite: SPA220Y1 / SPA219Y1

Recommended Preparation: SPA258H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SPA352H1 Court and Country in Early Modern Spain [24L]**

Representative texts (such as ballads, popular and courtly lyric; chivalric, pastoral and picaresque prose, theatre) from the early modern period, studied in relation to the history and society of imperial Spain. Discussion of literary texts as codes of social conduct; issues of urbanization, court culture, social order and disorder, and cultural discourses of identity and difference. (Offered every three years)

Prerequisite: SPA220Y1/SPA219Y1

Recommended Preparation: SPA258H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SPA368H1 Spanish and the Empire: Migration in Language and Literature [24L]**

This interdisciplinary approach considers broad cultural consequences resulting from the contact of Spanish with the American indigenous languages. Current cultural and linguistic theories on language contact are used to analyze sixteenth to eighteenth-century Spanish texts, and invite reflection on language, power, and the emergence of new cultural expressions. (Offered every three years)

Prerequisite: SPA219Y1 / SPA220Y1

Recommended Preparation: SPA258H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SPA375H1 Latin American Cinema [36L/12T]**

Latin American cinema approached within the framework of cultural studies and film theory, with attention to aesthetic and social forms, and to questions of national and cultural issues. May be focused on a particular region or period, or may be more of a representative survey, depending on instructor. (Offered in alternate years). Course taught in English.

Prerequisite: SPA219Y1/SPA220Y1

Recommended Preparation: INI115Y/INI212Y/SPA258H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SPA381H1 Nation, Identity and Modernity in Spanish-America [24L]**

Analysis of poetry, short stories, essays, and graphic art in the context of nation-building and the question of identity during the nineteenth century. (Offered every three years)

Prerequisite: SPA220Y1/SPA219Y1

Recommended Preparation: SPA258H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SPA382H1 Spanish American Women in Art, Film, and Literature [24L]**

Study of different creative expressions by women in Spanish America from the colonial period to the present; analysis of selected works of visual art, film, essays, poetry, and fiction. (Offered every three years)

Prerequisite: SPA220Y1/SPA219Y1

Recommended Preparation: SPA258H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SPA384H1 Avant-Garde Movements in Spanish America [24L]**

Study of representative works of major artistic and literary movements in 20th and 21st century Spanish America: avant-garde poetry, theatre of the absurd, surrealist art, neo-realism, postmodernism. (Offered every three years)

Prerequisite: SPA220Y1/SPA219Y1

Recommended Preparation: SPA258H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SPA385H1 Literature and Social Change in Spanish America [24L]**

Detailed study of key moments and texts in Spanish American culture from the nineteenth and twentieth centuries, focusing on such topics as the creation of new nations, indigenismo, Caribbean anti-slavery literature, and the Mexican and Cuban Revolutions. (Offered every three years)

Prerequisite: SPA220Y1/SPA219Y1

Exclusion: SPA487H1

Recommended Preparation: SPA258H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SPA386H1 Literary Landscapes of the Mexican Revolution [24L]**

Examines cultural production, including short stories, novels, films and paintings surrounding the socio-political transformations of the revolutionary period. Readings and discussion emphasize general concepts of the landscape, as a visual and spatial mode of interpreting relationships between human subjects, and between these subjects and the territory they occupy. (Offered every three years)

Prerequisite: SPA220Y1/SPA219Y1

Recommended Preparation: SPA258H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SPA389H1 Central American Literature: Narratives of War [24L]**

The 70s and 80s represent a period of armed struggle, civil war, and revolution in most of Central America. Through the study of specific novels, short stories, and films, this course analyzes the representation of violence, and the political repression generated by military conflicts. (Offered every three years)

Prerequisite: SPA219Y1 / SPA220Y1

Recommended Preparation: SPA258H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**SPA398H0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

**SPA399Y0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

**SPA420H1 Advanced Grammar [36L]**

Linguistic analysis with the objective of improving students' command of Spanish grammar. Advanced review of traditional grammatical topics, including the verbal and pronominal systems, and Spanish copulas and embedded clauses. This course assumes familiarity with the grammatical terminology introduced in SPA220Y1.

Prerequisite: SPA219Y1/SPA320Y1, or placement test.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**SPA421H1 The Structure of Spanish [24L]**

Study of Spanish morphology and syntax: syntactic categories in Spanish, the structure and interpretation of simple and complex sentences. (Offered in alternate years)

Prerequisite: SPA420H1, or permission of department

Recommended Preparation: SPA322H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**SPA422H1 Sociolinguistics of Spanish [24L]**

Study of linguistic variation across the Spanish-speaking world; central issues in phonological, morphological, and syntactic variation, analyzed from a geographical as well as from a social point of view. (Offered in alternate years)

Prerequisite: SPA322H1 or permission of the department

Recommended Preparation: SPA420H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**SPA423H1 Spanish Phonology [24L/12T]**

Theoretical and experimental approaches to Spanish phonology. Topics include: Spanish phonemic inventory, sound patterns, suprasegmentals (stress and intonation), synchronic and diachronic variation. Methods of data collection and analysis in the discipline, with practical applications. (Offered in alternate years)

Prerequisite: SPA322H1 or permission of the Department

Recommended Preparation: SPA420H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**SPA435H1 Fictions of Contemporary Spain [24L]**

Study of major currents in narrative fiction during the last twenty years, a period of return to democratic government, the relaxing of censorship and the opening up of Spanish culture. Analysis of works from several generations of male and female writers. (Offered every three years)

Prerequisite: At least one 300-series half-course in Spanish.

Recommended Preparation: SPA258H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**SPA439H1 Topics in Spanish Studies [24S]**

A course on specific topics in Spanish studies, designed for advanced students. Course content and instructor are established on a yearly basis.

Prerequisite: SPA220Y1/SPA219Y1

Recommended Preparation: SPA258H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**SPA450H1 Literature and Society in Medieval Iberia [24S]**

Study of medieval social topics such as witchcraft, violence, love, marriage, childhood, maternity, crimes and punishment. Analysis of such texts as *Poema del Mio Cid*, the *Romancero*, *Milagros de Nuestra Señora*, *Libro de buen amor*, *Don Juan Manuel* and *Celestina*, from the perspective of iconography and social history. (Offered every three years)

Prerequisite: At least one 300-series half-course in Spanish.

Corequisite: SPA320Y1

Recommended Preparation: SPA258H1/SPA352H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**SPA452H1 Theatre and Representation in Early Modern Spain [24S]**

Study of theatre and the idea of representation, with reference to parallels in lyric poetry and visual art. Emphasis on the Spanish *comedia* as a genre, and on its interaction with other artistic forms in the Golden Age. (Offered every three years)

Prerequisite: At least one 300-series half-course in Spanish.

Exclusion: SPA350Y1

Recommended Preparation: SPA258H1/SPA258H1/SPA352H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**SPA454H1 Cervantes: Don Quixote [36L]**

Detailed study of *Don Quixote* as a foundational text in the European literary tradition, with attention to the conventions, genres, and literary techniques that inform the text.

Prerequisite: At least one 300-series half-course in Spanish.

Exclusion: SPA350Y1

Recommended Preparation: SPA258H1/SPA352H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**SPA467H1 Topics in Spanish-American Literature and Culture [24L]**

A course on a specific topic in Spanish American culture, designed for advanced students. Course content and instructor are established on a yearly basis.

Prerequisite: At least one 300-series half-course in Spanish.

Recommended Preparation: SPA258H1/SPA259H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**SPA475H1 21st Century Latin American Culture [24L]**

Contemporary Argentine and Mexican authors and visual artists will be studied through their work, online visibility, and also the institutional and discursive structures that facilitate and shape their production. In-class Skype discussions with some of the artists. (Offered every three years)

Prerequisite: At least one 300-series half-course in Spanish.

Recommended Preparation: SPA258H1/SPA259H1

Distribution Requirement Status: Humanities

## **SPA480H1 Icons and Iconography in Latin American Culture [24L]**

Production, circulation and meaning of icons through Latin American literary and cultural contexts. Readings are selected from the period of independence to the present, and focus on the transformative ideological charge of cultural objects across geographic space and history. Focuses on political and socio-economic tensions between popular and elite spheres of cultural production, and on the risks and limits of iconographic representation. (Offered every three years)

Prerequisite: At least one 300-series half-course in Spanish.

Recommended Preparation: SPA258H1/SPA259H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SPA482H1 20th-Century Spanish American Narrative [24L]**

Detailed study of the major movements in Spanish-American narrative, including magic realism, fantastic literature, womens writing, and testimonial literature, through analysis of representative novels and short stories. (Offered every three years)

Prerequisite: At least one 300-series half-course in Spanish.

Recommended Preparation: SPA258H1/SPA259H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SPA486H1 Contemporary Caribbean Literatures and Identities [24L]**

Literature studied as a socio-political space for the articulation of new concepts of cultural identity; examination of cultural change and aesthetic innovation in selected poetic, dramatic, and narrative texts from different national traditions (Cuba, the Dominican Republic, Puerto Rico). (Offered every three years)

Prerequisite: At least one 300-series half-course in Spanish.

Recommended Preparation: SPA258H1/SPA259H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SPA488H1 Central American Postwar Narrative [24L]**

The end of civil and military conflicts in the last decade of the 20th century reshapes the political landscape of Central America. Through selected readings of novels and short stories from representative writers, issues of immigration, displacement, and globalization are discussed to understand these changes in the region. (Offered every three years)

Prerequisite: At least one 300-series half-course in Spanish.

Recommended Preparation: SPA258H1/SPA259H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **SPA490H1 Independent Study [TBA]**

Individual study with a member of staff on a topic of common interest including readings, discussion and written assignments. Not eligible for CR/NCR option.

Prerequisite: At least one 300-series half-course in Spanish, and written approval of the Undergraduate Coordinator

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **SPA491H1 Independent Study [TBA]**

Individual study with a member of staff on a topic of common interest including readings, discussion and written assignments. Not eligible for CR/NCR option.

Prerequisite: At least one 300-series half-course in Spanish, and written approval of the Undergraduate Coordinator

Distribution Requirement Status: Humanities

Breadth Requirement: None

## Faculty

### Professors Emeriti

D.F. Andrews, M Sc, Ph D  
 D.A.S. Fraser, BA, Ph D, FRSC  
 I. Guttman, MA, Ph D  
 P. McDunnough, M Sc, Ph D  
 M.S. Srivastava, M Sc, Ph D  
 A.M. Vukov, MA, ASA

### Professor and Chair of the Department

J. Stafford, M Sc, Ph D

### Professor and Associate Chair, Graduate Studies

F. Yao, B Sc, M Sc, Ph D

### Professor and Associate Chair Undergraduate Studies

S. Broverman, M Sc, Ph D, ASA, Actuarial Science

### Associate Professor, Teaching Stream and Associate Chair, Undergraduate Studies

A. Gibbs, B. Math, B Ed, M Sc, Ph D, Statistics

### University Professor

N.M. Reid, M Sc, Ph D, FRSC, OC

### Professors

R. Craiu, B Sc, Ph D  
 M.J. Evans, MA, Ph D (UTSC)  
 A. Feuerverger, B Sc, Ph D  
 S. Jaimungal, BA Sc, M Sc, Ph D  
 K. Knight, M Sc, Ph D  
 X.S. Lin, M Sc, Ph D, ASA  
 R. Neal, B Sc, Ph D  
 J. Quastel, MS, Ph D  
 J.S. Rosenthal, MA, Ph D  
 L. Sun, B Sc, Ph D  
 B. Virag, Ph D (UTSC)

### Associate Professors

A. Badescu, B Sc, M Sc, Ph D  
 D. Brenner M Sc, Ph D  
 L.J. Brunner, MA, Ph D (UTM)  
 Z. Zhou, B Sc, Ph D

### Assistant Professors

D. Kong, Ph D (UTM)  
 D. Roy, B Sc, M Sc, Ph D (UTSC)

### Associate Professor, Teaching Stream

B. White, Ph D

### Assistant Professors, Teaching Stream

N. Taback, B Sc, M Sc, Ph D  
 V. Zhang, B Sc, M Sc, FSA, ACIA

## Introduction

Statistical methods have applications in almost all areas of science, engineering, business, government, and industry. The practising statistician is involved in such diverse projects as designing clinical trials to test a new drug, economic model-building to evaluate the costs of a guaranteed-income scheme, predicting the outcome of a national election, planning a survey of television viewing habits, and estimating animal populations.

Today's consumer is bombarded with the results of so many quantitative studies using statistical methodology that it is necessary to know something about statistics in order to be properly critical. A basic knowledge of statistics should be an integral part of everyone's general education.

Probability theory is used to analyse the changing balance among the age-groups in a population as the birth rate changes, the control force needed to keep an aircraft on course through gusts of wind, the chance that the demand for electricity by all the customers served by a substation will exceed its capacity. These are just three of many phenomena that can be analysed in terms of randomness and probability.

The course offerings are intended not only for specialists in the theory of the subject but also to serve the needs of the many other disciplines that use statistical methods, e.g. in sample survey design and experimental design. Students following the Specialist Program are encouraged to include courses in major fields of application in their overall program. The Major Program can be profitably combined with specialization in another discipline. Students in these programs may also qualify for the A. Stat. designation from the Statistical Society of Canada.

Both applied and theoretical courses are offered in Statistics and Probability. The foundation courses STA220H1, STA221H1, STA247H1, STA248H1, STA255H1, STA257H1, and STA261H1 are distinguished primarily by their mathematical demands, as indicated by the prerequisites. Students interested in the Biological or Social Sciences will generally find the most relevant courses of the more advanced offerings to be STA302H1, STA303H1, STA304H1, STA305H1 and STA429H1. The probability course STA347H1 will be of interest to those whose field of application includes stochastic models.

Enquiries: 100 St. George Street, Sidney Smith Hall, Room 6018 (416-978-3452)

Associate Chair, Undergraduate Studies: Statistics - Professor R. Neal; e-mail: ugchair.stats@utstat.utoronto.ca

Associate Chair, Undergraduate Studies: Actuarial Science - Professor S. Broverman; e-mail: ugchair.actsci@utstat.utoronto.ca

## Statistical Sciences Programs

## Statistics Specialist (Science program)

(11.0 full courses or their equivalent)

First Year:

CSC108H1/CSC120H1/CSC121H1/CSC148H1, MAT137Y1/MAT157Y1

Second Year:

MAT223H1/MAT240H1, MAT224H1/MAT247H1, MAT237Y1/MAT257Y1;  
STA257H1, STA261H1

(MAT223H1/MAT240H1 recommended in 1st year) while CSC148H1  
might well be taken in 2nd year)

Higher Years:

1. STA302H1, STA303H1, STA347H1, STA355H1, STA410H1,  
STA442H1

2. 2 full year courses from the given list: (STA414H1/CSC411H1),  
STA422H1, STA437H1, STA447H1, STA452H1, STA453H1, STA457H1,  
STA465H1, STA480H1

3. 1.5 full year courses from: ACT451H1, ACT452H1, ACT460H1;  
APM412H1;

MAT327H1, MAT334H1/MAT354H1, MAT337H1/MAT357H1,  
MAT301H1/MAT347Y1

CSC207H1, CSC310H1, CSC336H1/CSC436H1,  
STA300 + level courses

## Statistics Major (Science Program)

(6.5 full courses or their equivalent, including at least one STA 400-series  
course)

First Year:

CSC108H1/CSC120H1/CSC121H1/CSC148H1 (may be taken in 2nd  
year); (MAT135H1, MAT136H1)/MAT137Y1/MAT157Y1

Second Year:

MAT223H1/MAT240H1, MAT235Y1/MAT237Y1/MAT257Y1;  
(STA220H1/STA221H1/ECO220Y1, STA255H1)/ (STA247H1,  
STA248H1)/(STA257H1, STA261H1)/ECO227Y1

(MAT223H1/MAT240H1 recommended in 1st year, MAT221H1 is not  
allowed)

Higher Years:

1. STA302H1

2. 3 half (H) course equivalents from all available STA300+ level courses  
(For example, a student interested in economics/commerce/finance  
might think to include STA304H1, STA347H1, STA457H1 in their  
programme, while someone engaged in a life science might entertain  
STA303H1, STA305H1, STA437H1. On the other hand, a student with  
an interest in pure math might choose to focus on applications of that  
subject matter to theoretical probability and statistics, selecting  
STA347H1, STA355H1 towards a major in statistics.)

3. 1 half (H) course equivalent from the available STA400+ level courses  
(For those anticipating a future professional need to analyze large arrays  
of data STA410H1, STA414H1 are certainly very worthy of  
consideration.)

## Statistics Minor (Science Program)

(4 full courses or their equivalent)

First Year:

MAT133Y1 (70%)/(MAT135H1,  
MAT136H1)/MAT135Y1/MAT137Y1/MAT157Y1 ((MAT135H1,  
MAT136H1)/MAT137Y1/MAT157Y1 is strongly recommended)

Second Year:

MAT221H1 (70%)/MAT223H1/MAT240H1,  
(STA220H1/STA221H1/ECO220Y1, STA255H1)/(STA247H1,  
STA248H1)/(STA257H1, STA261H1)/ECO227Y1

MAT221H1 (70%)/MAT223H1/MAT240H1 recommended in 1st year

Higher Years:

STA302H1

2. 2 half (H) course equivalents from all available STA300+ level courses

## Applied Statistics Specialist (Science program)

(10.0 FCEs plus a disciplinary focus requiring 2.0-3.5 FCEs)

First year:

1. CSC108H1/CSC120H1/CSC121H1/CSC148H1, (MAT135H1,  
MAT136H1)/MAT137Y1/MAT157Y1

2. Recommended: introductory course in disciplinary focus.

Second year

3. MAT223H1/MAT240H1, MAT235Y1/MAT237Y1/MAT257Y1,  
(STA220H1/STA221H1/ECO220Y1, STA255H1)/(STA247H1, STA248H1)  
(/STA257H1, STA261H1)

MAT223H1/MAT240H1 can be taken in first year.

Upper years:

4. STA302H1, STA303H1, STA304H1/STA305H1, STA355H1,  
STA410H1, STA437H1, STA442H1, STA490Y1

5. 0.5 FCEs from STA 300+-level offerings

6. 1.0 FCEs from the following list:

MAT224H1/MAT247H1, MAT244H1/MAT267H1

APM236H1/APM346H1/APM462H1

CSC148H1/CSC207H1

## Disciplinary Focuses

Students in the Applied Statistics Specialist program must complete at  
least one disciplinary focus. Students whose interests do not match any  
of the focuses listed below should consult the Department of Statistical  
Sciences regarding the possibility of creating a new disciplinary focus, by  
the start of the third year of their program.

To enrol in one or more focuses, students must first be enrolled in the  
Applied Statistics Specialist program. Enrolment instructions can be  
found on the Arts & Science Current Students program enrolment web  
site. Focuses can be chosen on ACORN after admission to the program,  
which begins in July.

Health Studies: (2.5 FCE)

UNI209H1, UNI211H1, UNI373H1, UNI330H1/UNI411H1/UNI464H1

Global Health: (2.5 FCE)

BIO120H1, BIO130H1, HMB203H1, HMB323H1,

HMB342H1/HMB433H1



(Recommended: HMB433H1)

Health and Disease: (3.0 FCE)

BIO120H1, BIO130H1, HMB202H1, HMB265H1, HMB302H1, HMB321H1/HMB322H1/HMB422H1

Fundamental Genetics and its Applications: (3.0 FCE)

BIO120H1, BIO130H1, HMB201H1, HMB265H1, HMB301H1, HMB321H1/HMB421H1/HMB441H1

(Recommended: HMB421H1)

Neuroscience: (3.5 FCE)

BIO120H1, BIO130H1, PSY100H1, HMB200H1/HMB220H1, HMB265H1, HMB300H1, HMB420H1/ HMB440H1

(Recommended: HMB420H1)

Social Psychology: (2.0 FCE)

PSY100H1, PSY220H1, PSY322H1, PSY326H1/PSY321H1/PSY424H1/PSY426H1/PSY405H1/PSY406H1

Cognitive Psychology: (2.0 FCE)

PSY100H1, PSY270H1, PSY493H1, PSY342H1/PSY405H1/PSY406H1

Sociolinguistics: (3 FCE)

LIN100Y1; 2 of LIN228H1, LIN229H1, LIN232H1 or LIN241H1; LIN351H1 and LIN456H1

Psycholinguistics: (3 FCE)

LIN100Y1; 2 of LIN228H1, LIN229H1, LIN232H1 or LIN241H1; 2 of JLP374, JLP315 or JLP471

Astronomy & Astrophysics: (2.5 or 3.0 FCE)

(PHY131H1,PHY132H1)/(PHY151H1,PHY152H1); AST221H1, AST222H1; (PHY252H1, AST320H1)/AST325H1/AST326Y1

Sociology: (2.5 FCE)

SOC101Y1 (minimum grade of 65%) or SOC102H1+SOC103H1 (minimum combined average grade of 65%); SOC200H1; one of SOC303H1/SOC312H1/SOC355H1; 0.5 credit SOC course at 400-level. Students interested in advanced study in Sociology should consider additional courses, in particular SOC201H1 and SOC203H1.

## Statistical Sciences Courses

### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### STA130H1 An Introduction to Statistical Reasoning and Data Science [24L/24P]

This course, intended for students considering a program in Statistical Sciences, discusses the crucial role played by statistical reasoning in solving challenging problems from natural science, social science, technology, health care, and public policy, using a combination of logical thinking, mathematics, computer simulation, and oral and written discussion and analysis.

Corequisite: MAT136H1/MAT137Y1/MAT157Y1

Exclusion: Any of

STA220H1/STA255H1/STA248H1/STA261H1/ECO220Y1/ECO227Y1 taken previously or concurrently

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### STA201H1 Why Numbers Matter [36L]

This course teaches non-science students the importance of quantitative reasoning to many different areas. It explores a variety of applications to such diverse subjects as economics, gambling, politics, poetry, graphics, music, medicine, demographics, sports, secret codes, and more, using only basic high school level mathematics combined with logical thinking.

Exclusion: This course is not open to first-year students, nor to students enrolled in any science Major or Specialist program

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

### STA220H1 The Practice of Statistics I [36L]

An introductory course in statistical concepts and methods, emphasizing exploratory data analysis for univariate and bivariate data, sampling and experimental designs, basic probability models, estimation and tests of hypothesis in one-sample and comparative two-sample studies. A statistical computing package is used but no prior computing experience is assumed. (Note: STA220H1 does not count as a distribution requirement course)

Section L0201 (Environmental Sciences) and L0301 (Health and Life Sciences) have a focus on applications in a specific area, but any section will satisfy a STA220H1 program requirement. The prerequisites are the same for all sections.

This course will also be Available Online

For the section available online: The online section of the course will use web-based delivery of lectures and online assessments, and will require participation in online discussions and problem solving using a range of communication tools. For one scheduled hour per week, students will participate in a live webinar. The final exam will require student attendance on the St. George campus.

Prerequisite: Grade 12 Mathematics and one University course in the physical, social, or life sciences

Exclusion: ECO220Y1/ECO227Y1/GGR270H1/PSY201H1/SOC300Y1/STA250H1/STA261H1/STA248H1/EEB225H1

Distribution Requirement Status: None

Breadth Requirement: The Physical and Mathematical Universes (5)

### STA221H1 The Practice of Statistics II [36L/12T]

Continuation of STA220H1 (or similar course), emphasizing major methods of data analysis such as analysis of variance for one factor and multiple factor designs, regression models, categorical and non-parametric methods (Note: STA221H1 does not count as a distribution requirement course).

Prerequisite: STA220H1/PSY201H1/GGR270H1/EEB225H1

Exclusion: ECO220Y1/ECO227Y1/GGR270Y1/PSY202H1/SOC300Y1/STA261H1/STA248H1

Distribution Requirement Status: None

Breadth Requirement: The Physical and Mathematical Universes (5)

### STA247H1 Probability with Computer Applications [36L/12T]

Introduction to the theory of probability, with emphasis on applications in computer science. The topics covered include random variables, discrete and continuous probability distributions, expectation and variance, independence, conditional probability, normal, exponential, binomial, and Poisson distributions, the central limit theorem, sampling distributions, estimation and testing, applications to the analysis of algorithms, and simulating systems such as queues (Note: STA247H1 does not count as

a distribution requirement course).

Prerequisite: (MAT135H1,MAT136H1)/MAT137Y1/MAT157Y1;  
CSC108H1/CSC148H1

Exclusion: ECO227Y1/STA255H1/STA257H1

Distribution Requirement Status: None

Breadth Requirement: The Physical and Mathematical Universes (5)

## **STA248H1 Statistics for Computer Scientists [36L/12T]**

A survey of statistical methodology with emphasis on data analysis and applications. The topics covered include descriptive statistics, data collection and the design of experiments, univariate and multivariate design, tests of significance and confidence intervals, power, multiple regression and the analysis of variance, and count data. Students learn to use a statistical computer package as part of the course (Note: STA248H1 does not count as a distribution requirement course).

Prerequisite: STA247H1/STA257H1; CSC108H1/CSC148H1

Exclusion: ECO220Y1/ECO227Y1/GGR270Y11/PSY201H1/SOC300Y1/  
STA220H1/STA221H1/STA250H1/STA255H1/STA261H1/EEB225H  
1

Distribution Requirement Status: None

Breadth Requirement: The Physical and Mathematical Universes (5)

## **STA255H1 Statistical Theory [36L/12T]**

This course deals with the mathematical aspects of some of the topics discussed in STA250H1. Topics include discrete and continuous probability distributions, conditional probability, expectation, sampling distributions, estimation and testing, the linear model (Note: STA255H1 does not count as a distribution requirement course).

Prerequisite: STA220H1/STA221H1/ECO22Y1 (note: ECO220Y1 may be taken as a co-requisite),

MAT133Y1(70%)/(MAT135H1,MAT136H1)/MAT137Y1/MAT157Y1

Exclusion: ECO227Y1/STA257H1/STA261H1/STA247H1/STA248H1

Distribution Requirement Status: None

Breadth Requirement: The Physical and Mathematical Universes (5)

## **STA257H1 Probability and Statistics I [36L/12T]**

A mathematically rigorous introduction to probability, with applications chosen to introduce concepts of statistical inference. Probability and expectation, discrete and continuous random variables and vectors, distribution and density functions, the law of large numbers. The binomial, geometric, Poisson, and normal distributions. The Central Limit Theorem. (Note: STA257H1 does not count as a distribution requirement course).

Prerequisite: (MAT135H1, MAT136H1(70%))/MAT137Y1/MAT157Y1  
(MAT137Y1/MAT157Y1 is strongly recommended)

Corequisite: MAT235Y1/MAT237Y1/MAT257Y1 (MAT237Y1/MAT257Y1 is strongly recommended), MAT223H1/MAT240H1

Exclusion: ECO227Y1/STA247H1

Distribution Requirement Status: None

Breadth Requirement: The Physical and Mathematical Universes (5)

## **STA261H1 Probability and Statistics II [36L/12T]**

A rigorous introduction to the theory of statistical inference and to statistical practice. Statistical models, parameters, and samples. Estimators for parameters, sampling distributions for estimators, and the properties of consistency, bias, and variance. The likelihood function and the maximum likelihood estimator. Hypothesis tests and confidence regions. Examples illustrating statistical theory and its limitations. Introduction to the use of a computer environment for statistical analysis. (Note: STA261H1 does not count as a distribution requirement course).

Prerequisite: STA257H1

Corequisite: MAT235Y1/MAT237Y1/MAT257Y1, MAT223H1/MAT240H1

Exclusion: ECO227Y1/STA248H1/STA255H1

Distribution Requirement Status: None

Breadth Requirement: The Physical and Mathematical Universes (5)

## **STA299Y1 Research Opportunity Program**

Credit course for supervised participation in faculty research project.

Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: None

## **STA302H1 Methods of Data Analysis I [36L]**

Introduction to data analysis with a focus on regression. Initial Examination of data. Correlation. Simple and multiple regression models using least squares. Inference for regression parameters, confidence and prediction intervals. Diagnostics and remedial measures. Interactions and dummy variables. Variable selection. Least squares estimation and inference for non-linear regression.

Prerequisite: STA248H1/STA255H1/STA261H1/ECO227Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **STA303H1 Methods of Data Analysis II [36L]**

Analysis of variance for one-and two-way layouts, logistic regression, loglinear models, longitudinal data, introduction to time series.

Prerequisite: STA302H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **STA304H1 Surveys, Sampling and Observational Data (formerly STA322H1) [36L]**

Design of surveys, sources of bias, randomized response surveys. Techniques of sampling; stratification, clustering, unequal probability selection. Sampling inference, estimates of population mean and variances, ratio estimation. Observational data; correlation vs. causation, missing data, sources of bias.

Prerequisite: ECO220Y1/ECO227Y1/GGR270H1/PSY201H1/SOC300Y1/STA220H1/STA255H1/STA261H1/STA248H1/EEB225H1

Exclusion: STA322H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **STA305H1 Design of Scientific Studies [36L]**

Experiments vs observational studies, experimental units. Designs with one source of variation. Complete randomized designs and randomized block designs. Factorial designs. Inferences for contrasts and means. Model assumptions. Crossed and nested treatment factors, random effects models. Analysis of variance and covariance. Sample size calculations.

Prerequisite: STA302H1

Exclusion: STA332H1, STA402H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **STA347H1 Probability [36L]**

An overview of probability from a non-measure theoretic point of view. Random variables/vectors; independence, conditional expectation/probability and consequences. Various types of convergence leading to proofs of the major theorems in basic probability. An introduction to simple stochastic processes such as Poisson and branching processes.

Prerequisite: STA247H1/STA255H1/STA257H1/ECO227Y1,MAT223H1/  
MAT240H1; MAT235Y1/MAT237Y1/MAT257Y1 (Note: STA257H1  
and MAT237Y1/MAT257Y1; (MAT223H1, MAT224H1)/MAT240H1

are very strongly recommended)  
 Distribution Requirement Status: Science  
 Breadth Requirement: The Physical and Mathematical Universes (5)

## **STA355H1 Theory of Statistical Practice [24L/12P]**

STA355H1 provides a unifying structure for the methods taught in other courses, and will enable students to read methodological research articles or articles with a large methodological component. Topics covered include statistical models and distributions; fundamentals of inference: estimation, hypothesis testing, and significance levels; likelihood functions and likelihood-based inference; prior distributions and Bayesian inference.

Prerequisite: STA255H1/STA248H1/STA261H1/ECO227Y1,  
 MAT235Y1/MAT237Y1/MAT257Y1, MAT223H1/MAT240H1  
 Recommended

Preparation: CSC108H1/CSC120H1/CSC121H1/CSC148H1  
 Distribution Requirement Status: Science  
 Breadth Requirement: The Physical and Mathematical Universes (5)

## **STA365H1 Applied Bayesian Statistics [36L]**

Bayesian inference has become an important applied technique and is especially valued to solve complex problems. This course first examines the basics of Bayesian inference. From there, this course looks at modern, computational methods and how to make inferences on complex data problems.

Prerequisite: STA302H1  
 Distribution Requirement Status: Science  
 Breadth Requirement: The Physical and Mathematical Universes (5)

## **STA398H0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.  
 Distribution Requirement Status: Science  
 Breadth Requirement: None

## **STA399Y0 Research Excursions**

An instructor-supervised group project in an off-campus setting. Details at <http://www.artsci.utoronto.ca/current/course/399>. Not eligible for CR/NCR option.  
 Distribution Requirement Status: Science  
 Breadth Requirement: None

## **STA410H1 Statistical Computation [36L]**

Programming in an interactive statistical environment. Generating random variates and evaluating statistical methods by simulation. Algorithms for linear models, maximum likelihood estimation, and Bayesian inference. Statistical algorithms such as the Kalman filter and the EM algorithm. Graphical display of data.  
 Prerequisite: STA302H1,

CSC108H1/CSC120H1/CSC121H1/CSC148H1  
 Distribution Requirement Status: Science  
 Breadth Requirement: The Physical and Mathematical Universes (5)

## **STA414H1 Statistical Methods for Data Mining and Machine Learning [36L]**

Statistical aspects of supervised learning: regression with spline bases, regularization methods, parametric and nonparametric classification methods, nearest neighbours, cross-validation and model selection, generalized additive models, trees, model averaging, clustering and nearest neighbour methods for unsupervised learning.  
 Prerequisite: CSC108H1/CSC120H1/CSC121H1/CSC148H1,  
 STA302H1/CSC411H1, STA303H1 (recommended)

Distribution Requirement Status: Science  
 Breadth Requirement: The Physical and Mathematical Universes (5)

## **STA422H1 Theory of Statistical Inference [36L]**

This course examines current theory of statistical inference, particularly likelihood-based methods and Bayesian methods with an emphasis on resolving present conflicts; log-model expansion and asymptotics are primary tools.

Prerequisite: STA355H1  
 Distribution Requirement Status: Science  
 Breadth Requirement: The Physical and Mathematical Universes (5)

## **STA437H1 Methods for multivariate data [24L/12P]**

Practical techniques for the analysis of multivariate data; fundamental methods of data reduction with an introduction to underlying distribution theory; basic estimation and hypothesis testing for multivariate means and variances; regression coefficients; principal components and partial, multiple and canonical correlations; multivariate analysis of variance; profile analysis and curve fitting for repeated measurements; classification and the linear discriminant function.

Prerequisite: STA302H1/STA352Y1  
 Recommended Preparation: APM233Y1/MAT223H1/MAT240H1  
 Distribution Requirement Status: Science  
 Breadth Requirement: The Physical and Mathematical Universes (5)

## **STA442H1 Methods of Applied Statistics [36L]**

Advanced topics in statistics and data analysis with emphasis on applications. Diagnostics and residuals in linear models, introduction to generalized linear models, graphical methods, additional topics such as random effects models, designed experiments, model selection, analysis of censored data, introduced as needed in the context of case studies.

Prerequisite: STA302H1,  
 CSC108H1/CSC120H1/CSC121H1/CSC148H1  
 Recommended Preparation: At least an additional 1.0 FCE in STA courses at the 300 or 400 level  
 Distribution Requirement Status: Science  
 Breadth Requirement: The Physical and Mathematical Universes (5)

## **STA447H1 Stochastic Processes (formerly STA348H1) [36L]**

Discrete and continuous time processes with an emphasis on Markov, Gaussian and renewal processes. Martingales and further limit theorems. A variety of applications taken from some of the following areas are discussed in the context of stochastic modeling: Information Theory, Quantum Mechanics, Statistical Analyses of Stochastic Processes, Population Growth Models, Reliability, Queuing Models, Stochastic Calculus, Simulation (Monte Carlo Methods).

Prerequisite: STA347H1  
 Distribution Requirement Status: Science  
 Breadth Requirement: The Physical and Mathematical Universes (5)

## **STA450H1 Topics in Statistics [36L]**

Topics of current research interest are covered. Topics change from year to year, and students should consult the department for information on material presented in a given year.  
 Distribution Requirement Status: Science  
 Breadth Requirement: The Physical and Mathematical Universes (5)

# Statistical Sciences

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## **STA452H1 Mathematical Statistics I (formerly STA352Y1) [36L]**

Statistical theory and its applications at an advanced mathematical level. Topics include probability and distribution theory as it specifically pertains to the statistical analysis of data. Linear models and the geometry of data, least squares and the connection to conditional expectation. The basic concept of inference and the likelihood function.

Prerequisite: MAT223H1/MAT240H1;

MAT235Y1/MAT237Y1/MAT257Y1;

(STA257H1, STA355H1)/STA347H1. Note: MAT237Y1/MAT257Y1;

(MAT223H1, MAT224H1)/MAT240H1 very strongly recommended.

Exclusion: STA352Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **STA453H1 Mathematical Statistics II (formerly STA352Y1) [36L]**

Continuation of STA452H1: statistical theory and its applications at an advanced mathematical level. Topics include classical estimation, theory with methods based on the likelihood function and the likelihood statistics. Testing hypothesis and the evaluation of confidence from both a Bayesian and frequentist point of view.

Prerequisite: STA452H1

Exclusion: STA352Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **STA457H1 Time Series Analysis [36L]**

An overview of methods and problems in the analysis of time series data. Topics include: descriptive methods, filtering and smoothing time series, theory of stationary processes, identification and estimation of time series models, forecasting, seasonal adjustment, spectral estimation, bivariate time series models.

Prerequisite: STA302H1; MAT235Y1/MAT237Y1/MAT257Y1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **STA465H1 Theory and Methods for Complex Spatial Data [36L]**

Data acquisition trends in the environmental, physical and health sciences are increasingly spatial in character and novel in the sense that modern sophisticated methods are required for analysis. This course will cover different types of random spatial processes and how to incorporate them into mixed effects models for Normal and non-Normal data.

Students will be trained in a variety of advanced techniques for analyzing complex spatial data and, upon completion, will be able to undertake a variety of analyses on spatially dependent data, understand which methods are appropriate for various research questions, and interpret and convey results in the light of the original questions posed.

Prerequisite: STA302H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **STA480H1 Fundamentals of Statistical Genetics [36L/9P]**

Statistical analysis of genetic data is an important emerging research area with direct impact on population health. This course provides an introduction to the concepts and fundamentals of statistical genetics, including current research directions. The course includes lectures and hands-on experience with R programming and state-of-the-art statistical genetics software packages.

Prerequisite: STA303H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **STA490Y1 Statistical Consultation, Communication, and Collaboration (formerly STA490H1) [48L/48P]**

Through case studies and collaboration with researchers in other disciplines, students develop skills in the collaborative practice of Statistics. Focus is on pragmatic solutions to practical issues including study design, dealing with common complications in data analysis, and ethical practice, with particular emphasis on written communication.

Prerequisite: STA303H1 (permission of instructor)

Corequisite: one additional 400 level STA course

Exclusion: STA490H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **STA496H1 Readings in Statistics [TBA]**

Independent study under the direction of a faculty member. Persons wishing to take this course must have the permission of the Undergraduate Secretary and of the prospective supervisor. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **STA497H1 Readings in Statistics [TBA]**

Independent study under the direction of a faculty member. Persons wishing to take this course must have the permission of the Undergraduate Secretary and of the prospective supervisor. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **STA498Y1 Readings in Statistics [TBA]**

Independent study under the direction of a faculty member. Persons wishing to take this course must have the permission of the Undergraduate Secretary and of the prospective supervisor. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **STA499Y1 Readings in Statistics [TBA]**

Independent study under the direction of a faculty member. Persons wishing to take this course must have the permission of the Undergraduate Secretary and of the prospective supervisor. Not eligible for CR/NCR option.

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## Faculty

### Assistant Professors

J. Billett, M.Phil., PhD  
 J. Duncan, MA, PhD (Director, Ethics, Society, & Law Program)  
 M. MacDonald, LL.B., PhD (Director, International Relations Program)  
 M.J. Kessler, BA, PhD (Director, Trinity One Program)

### Professors

R. Bothwell, AM, PhD  
 M. Ratcliffe, BSc, PhD  
 M. Moran (ES&L Program)

### Sessional Lecturers

M. Braunstein, BSc, MSc, PhD (Trin One)  
 S. J. Cunningham, PhD (IR Program)  
 S. Davis, MA, PhD (Trin One and ES&L Program)  
 J. Dutka, MA, PhD (Trin One)  
 J. English, AM, PhD (IR Program)  
 J. Fitzgibbon, PhD (Trin One)  
 J. Gilmour, MA, PhD (Trin One)  
 J. Gommerman, BSc, PhD (Trin One)  
 A. Kislenko, MA, PhD (Trin One)  
 D. Laverty, BA, PhD (Other Trinity Courses)  
 T. Miedema, BA, LL.B, SJD (ES&L Program)  
 P. Somerville, BA, MA (IR Program)  
 S. Stevenson, MA, PhD (Other Trinity Courses)  
 L. Boehm, MSc, PhD (Trin One)  
 O. Rojas, PhD (Trin One)  
 J. Herold, BA, MA, PhD  
 D. Walders (ES&L Program)

### Adjunct Professors

B. Ferguson, MA, PhD  
 S. Silverman (ES&L Program)

## Introduction

Trinity College offers Trinity One, a set of first-year courses, an independent studies program, and three inter-disciplinary programs: Ethics, Society, and Law; Immunology; International Relations. The Major Program in Ethics, Society, and Law assembles courses offered by a variety of Departments and Colleges, including History, Philosophy, Political Science, Religion, Sociology, Woodsworth College and Trinity College. The Specialist and Major Programs in Immunology are assembled from offerings by the Departments of Biochemistry, Immunology, Molecular Genetics. The International Relations Program encompasses courses offered by the Departments of History, Political Science, Economics and Trinity College.

### Trinity One

Trinity One provides first-year students with the opportunity to explore together significant issues and ideas pertaining to the conduct of human life and world affairs. Trinity One has five streams, each linked to a prominent aspect of the College's intellectual identity: Public Policy, Ethics, International Relations, The Science of Health and Health Science and Society. Each stream includes two seminar courses limited to 25 students. These courses foster small-group discussion and

emphasize the development of critical-thinking, oral-presentation, writing and research skills. Co-curricular events enable students in the streams of Trinity One to hear guest speakers and to engage in informal conversation with one another and with their professors. Please see the Trinity One webpages: <http://www.trinity.utoronto.ca/prospective/first-year-learning/trinity-one.html>

## Trinity College Programs

### Ethics, Society, and Law Major (Arts program)

In this program, students examine some of the difficult normative questions facing contemporary society, including those concerning the law. For example, should assisted suicide, or the purchase of services from prostitutes, be crimes in Canada? The program includes optional courses in philosophy, religion, anthropology, classics, economics, geography, political science, sociology and criminology, and draws upon the resources of the University of Toronto's Centre for Ethics, located at Trinity College. Students in the major acquire knowledge and skills that equip them to think in a well-informed and well-reasoned way about complex social issues with ethical and legal dimensions. The program prepares them for reflective and engaged citizenship in a democratic, pluralistic society and in a world of global interconnections. Please see the ES&L webpages: <http://www.trinity.utoronto.ca/current/programs-courses/esl/esl.html>.

The Ethics, Society, and Law Major is a Type 2 limited enrolment program. Enrolment is limited to students with an overall average of 73% or higher in 3 FCEs (at the end of first year) selected from courses that are categorized as BR=2 and/or BR=3. Please note that TRN170Y1 can also be included as a full credit towards selection even though it is classified as BR=1+2. For students applying at the end of second year, a minimal overall average of 73% is required in 3 FCEs from courses that count towards the program including at least 1.0 FCE from: ETH201H1, ETH210H1, ETH220H1, ETH230H1, PHL265H1, PHL271H1, PHL275H1, and POL200Y1. In either case, achieving the threshold mark does not necessarily guarantee admission to the program in any given year. Applications beyond second year will be assessed on a case-by-case basis.

Ethics, Society, and Law Major (Arts program)  
 (7 full courses or the equivalent)

1. First year: While no specific courses are required in first year, course selection should take into account the program's admission requirements above, as well as the prerequisites for 200+ level courses students plan to take to complete the program.
2. Second year: PHL271H1, TRN203H1, and TRN204H1 are required courses that students are recommended to take in second year (their first year of registration in the program).
3. Third year: TRN303H1.
4. Fourth year: TRN412H1.
5. 1 FCE from ETH201H1, ETH210H1, ETH220H1, ETH230H1, ETH350H1, ETH401H1, PHL265H1, PHL275H1, POL200Y1, to be taken in any year of registration in the program.
6. 3.5 FCEs from Groups A-D, including at least 0.5 from each of Groups A-C and at least 2.0 at the 300+ level. Courses taken in fulfillment of requirement 5 above may not be counted toward the Group courses

here.

## Group A (Ethics)

ETH201H1, ETH210H1, ETH220H1, ETH230H1, ETH350H1, ETH401H1Y; PHL273H1, PHL275H1, PHL281H1, PHL295H1, PHL341H1, PHL 373H1, PHL375H1, PHL378H1, PHL380H1, PHL381H1, PHL382H1, PHL383H1, PHL384H1, PHL394H1, PHL407H1; POL200Y1, POL330Y1; RLG221H1, RLG224Y1, RLG228H1

## Group B (Society)

ANT204H1; CSC300H1; ECO313H1, ECO332H1, ECO336H1; ENV221H1, ENV222H1, ENV347H1; GGR416H1; HIS332H1; HPS324H1; JGE331H1; PHL265H1, PHL365H1; POL214Y1, POL320Y1, POL412H1, POL432H1; PSY311H1, PSY321H1; SOC201H1, SOC203H1, SOC212H1, SOC301Y1, SOC313H1; CRI205H1, CRI210H1, CRI300H1, CRI335H1, CRI340H1, CRI380H1, CRI425H1; WGS373H1

## Group C (Law)

CLA 336H1; ECO320H1; ENV422H1; NMC484H1; PHL370H1; PHL484H1; POL337Y1, POL340Y1; SMC361H1; TRN304H1/TRN304Y1, TRN305Y1/TRN305H1, TRN425Y1; CRI225H1, CRI365H1; WGS365H1

## Group D (Further Courses)

RLG309Y1; TRN200Y1, TRN320H1, TRN321H1, TRN406H1/TRN407Y1, and with permission of the director: TRN300H1, TRN301Y1, TRN 302Y1, TRN400H1, TRN404Y1, TRN405Y1, TRN377Y1, TRN477H1.

N.B. (1) The above CRI courses are available only to students enrolled in the double major program Ethics, Society, and Law/Criminology. (2) Access to courses in the Ethics, Society, and Law program is not guaranteed; students must check prerequisites.

## Immunology Studies:

Consult Prof. Alberto Martin (416-978-4230)

For more information please see the entry under Immunology or the Immunology departmental web site.

## Independent Studies

### Independent Studies

Consult the Director, Dr. J. Gilmour, Trinity College (office is located in room 312N, North Bldg., Munk School of Global Affairs, 1 Devonshire Place) (416-946-8951).

The Trinity College Independent Studies Program is open to students of all colleges. Only full-time students are eligible to apply. It allows you to undertake extensive research into a topic that interests you, and it is an especially suitable way of doing interdisciplinary work on subjects that are not directly part of the present university curriculum.

Participation in the program is restricted to students who have completed at least 10 courses. The maximum number of independent studies half courses for which a student may receive credit is one, and the maximum number of independent studies full course equivalents for which a student may receive credit is two. Normally the work done is to be the equivalent of two full courses. Permission to register in an independent studies half course, or in an independent studies full course, will normally be granted only to students with a cumulative GPA of at least 3.50. Permission to undertake an independent studies project for the equivalent of two full courses will normally be granted only to students with a cumulative GPA of at least 3.70. Your proposal must also be

approved by your supervisor and accepted by the Director of the program.

Students must submit to the Director before the beginning of the academic year a copy of their academic transcript and an outline of their topic (signed by the supervisor) and a suggested bibliography. For evaluation of the work done in the program a short thesis or equivalent is required, prepared and submitted by the last day of classes in the fall or winter session as appropriate. The supervisor and a second reader (nominated by the supervisor and approved by the Director) are responsible for the evaluation. The Director will require regular progress reports throughout the year. Students must have a supervisor and second reader in order to get approval for their projects.

Either the supervisor or the second reader must be a tenured University of Toronto faculty member. A supervisor who is not a tenured University of Toronto faculty member will normally be required to be a full-time faculty member of the University.

Students enrolling for the first time register for one or more of TRN300H1, TRN301Y1, TRN302Y1, or for one or more of TRN400H1, TRN404Y1, and 405Y1, as appropriate. Those enrolling for a second time register in one or more of TRN400H1, TRN404Y1, and 405Y1, as appropriate.

## International Relations Specialist (Arts program)

The study of international relations dates back to antiquity and remains one of the most vital disciplines in the academic community. Its purpose is to explore the enduring questions of the origins of war and the maintenance of peace, the nature and exercise of power within an international system, and the changing character of the participants in international decision-making.

Drawing on the strengths of faculty members in History, Economics, and Political Science, the International Relations Specialist Program offers a structured and interdisciplinary education. The program provides students with knowledge of the historical and contemporary dimensions of the international system while introducing them to the methodologies employed in historical, political and economic analysis.

The International Relations Specialist is a Type 3 program. Applicants must complete an application form including a Statement of Interest. Enrolment is limited to students with a combined average of at least 75% in the required first-year courses: (1) ECO100Y1/ECO105Y1; (2) HIS103Y1 or TRN150Y1/TRN151Y1 or HIS102Y1 or two of VIC181H1, VIC183H1, VIC184H1, VIC185H1; (3) one introductory modern language course or MAT133Y1/MAT137Y1 or MAT135H1 + MAT136H1. Achieving the threshold mark does not necessarily guarantee admission to the program in any given year. Students who are not admitted to the program may reapply for admission in a subsequent year.

## International Relations Specialist (Arts program) (13 full courses or the equivalent)

Consult the Office of the International Relations Program, room 310N, Munk School of Global Affairs, 416-946-8950.

1. First year: ECO100Y1/ECO105Y1: students are strongly encouraged to take ECO100Y1; HIS103Y1 or TRN150Y1/TRN151Y1 (in Trinity One) or HIS102Y1 or two of VIC181H1, VIC183H1, VIC184H1, VIC185H1 (in Vic One); one introductory modern language course or MAT133Y1/MAT137Y1 or MAT135H1 + MAT136H1.

2. Required 200+-level courses: POL208Y1; ECO230Y1/(ECO364H1 +

ECO365H1); TRN250Y1; ECO342Y1/ECO341H1 + ECO342H1; HIS311Y1 or HIS344Y1/HIS344H1 + one of (HIS324H1/HIS326H1/HIS338H1/HIS343H1/HIS350H1/HIS361H1/HIS364H1/HIS377H1/HIS379H1/HIS385H1/HIS397H1/JHA384H1/NMC378H1/TRN307H1/TRN308H1); POL312Y1/POL326Y1/POL340Y1; TRN411Y1/TRN419Y1.

3. Second year: POL208Y1; TRN250Y1. Students are advised to take at least two additional FCEs in the program in second year, including ECO230Y1 if they select this course rather than ECO364H1 + ECO365H1.

4. Third year: Recommended courses: HIS311Y1 or HIS344Y1/HIS344H1 + one of (HIS324H1/HIS326H1/HIS338H1/HIS343H1/HIS350H1/HIS361H1/HIS364H1/HIS377H1/HIS379H1/HIS385H1/HIS397H1/JHA384H1/NMC378H1/TRN307H1/TRN308H1); POL312Y1/POL326Y1/POL340Y1; ECO364H1+ ECO365H1 if selected instead of ECO230Y1.

5. Third or fourth year: ECO342Y1 or ECO341H1 + ECO342H1.

6. Fourth year: TRN411Y1/TRN419Y1; 1.0 FCE from a 400-level course offered by TRN, ECO, HIS, POL or VIC that complements core studies in international relations, such as: ECO403H1, ECO419H1, ECO429H1, ECO459H1; HIS401H1, HIS405Y1, HIS415Y1, HIS416H1, HIS445H1, HIS451H1, HIS457H1, HIS465Y1, HIS470H1, HIS473Y1, HIS479H1, HIS492H1, HIS493H1, HIS498H1; POL410H1, POL410Y1, POL411H1, POL412H1, POL413H1, POL417Y1, POL435H1, POL441H1, POL442H1, POL456Y1, POL459Y1, POL466H1, POL468H1, POL469H1, POL477H1, POL481H1, POL486H1, POL486Y1, POL487H1/Y1, POL495Y1, POL496H1; TRN409H1, TRN409Y1, TRN421Y1, VIC476H1. Students may substitute 400-level courses from different units or with different courses from within these units if accompanied by a rationale regarding a student's specific program of study that must be approved by the Program Director.

7. In second, third or fourth year 2.0 FCEs from: ANT452H1; ECO200Y1, ECO202Y1, ECO206Y1, ECO208Y1, ECO324H1; EUR200Y1; GGR439H1; HIS241H1, HIS242H1, HIS250Y1, HIS251Y1, HIS271Y1, HIS304H1, HIS324H1, HIS326H1, HIS334H1, HIS338H1, HIS343H1, HIS350H1, HIS361H1, HIS364H1, HIS376H1, HIS377H1, HIS379H1, HIS385H1, HIS397H1; JHA384H1; JPA376Y0; LAS200H1, LAS201H1; NMC378H1; POL101Y1, POL201Y1, POL300H1, POL302Y1, POL318H1, POL323Y1, POL324H1, POL329H1, POL341H1, POL343Y1, POL361H1, POL362H1; SLA380H1; TRN307H1, TRN308H1. Students may substitute courses from different units or with different courses from within these units if accompanied by a rationale regarding a student's specific program of study that must be approved by the Program Director.

**Note:**

1. Access to courses in the International Relations Specialist is not guaranteed; students must check prerequisites.
2. Not all of the courses in the International Relations Specialist are offered every year.
3. Students may change from the International Relations Major to the International Relations Specialist only if they meet current Specialist requirements and only if places are available.

**International Relations Major (Arts Program)**

The study of international relations dates back to antiquity and remains one of the most vital disciplines in the academic community. Its purpose is to explore the enduring questions of the origins of war and the maintenance of peace, the nature and exercise of power within an international system, and the changing character of the participants in international decision-making.

Drawing on the strengths of faculty members in History, Economics, and Political Science, the International Relations Major Program offers a structured and interdisciplinary education. The program provides students with knowledge of the historical and contemporary dimensions of the international system while introducing them to the methodologies employed in historical, political and economic analysis.

The International Relations Major is a Type 3 program. Applicants must complete an application form including a Statement of Interest. Enrolment is limited to students with a combined average of at least 70% in the required first-year courses: (1) ECO100Y1/ECO105Y1; (2) HIS103Y1 or TRN150Y1/TRN151Y1 or HIS102Y1 or two of VIC181H1, VIC183H1, VIC184H1, VIC185H1. Achieving the threshold mark does not necessarily guarantee admission to the program in any given year. Students who are not admitted to the program may reapply for admission in a subsequent year.

**International Relations Major (Arts program) (7.5 full courses or the equivalent)**

Consult the Office of the International Relations Program, room 310N, Munk School of Global Affairs, 416-946-8950.

1. First year: ECO100Y1/ECO105Y1; HIS103Y1 or TRN150Y1/TRN151Y1 (in Trinity One) or HIS102Y1 or two of VIC181H1, VIC183H1, VIC184H1, VIC185H1 (in Vic One).
2. Required 200+-level courses: POL208Y1; ECO230Y1; TRN250Y1; HIS311Y1 or HIS344Y1/(HIS344H1 plus one of HIS324H1/HIS326H1/HIS338H1/HIS343H1/HIS350H1/HIS361H1/HIS364H1/HIS377H1/HIS379H1/HIS385H1/HIS397H1/JHA384H1/NMC378H1/TRN307N/TRN308N1); POL312Y1/POL326Y1/POL340Y1; TRN410H1
3. Second year: POL208Y1; TRN250Y1. ECO230Y1
4. Third year: Recommended courses: HIS311Y1 or HIS344Y1/HIS344H1 + one of HIS324H1/HIS326H1/HIS338H1/HIS343H1/HIS350H1/HIS361H1/HIS364H1/HIS377H1/HIS379H1/HIS385H1/HIS397H1/JHA384H1/NMC378H1/TRN307N1/TRN308N1); POL312Y1/POL326Y1/POL340Y1; ECO342Y1 if selected instead of ECO230Y1
5. Fourth year: TRN410H1.

**Note:**

1. Access to courses in the International Relations Major is not guaranteed; students must check prerequisites.
2. Not all of the courses in the International Relations Major are offered every year.

## Trinity College Courses

Listed in this order:

- Trinity One;
- Ethics, Society, & Law;
- Independent Studies;
- International Relations;
- Other

### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### Trinity One Courses

Students participating in other Foundational Year programs (e.g., Vic One, Munk One) are excluded from Trinity One.

#### TRN125Y1 Contemporary Issues in Health Science [48S]

This course focuses on the scientific principles underlying current controversial issues in the health sciences. The four six-week modules will explore contemporary topics such as stem cells, transplantation, regenerative medicine, vaccination, and personalized medicine from the perspective of developing opinion based on scientific understanding.

Exclusion: Innis One, Munk One, New One, SMC One, UC One, Vic One, Woodsworth One

Distribution Requirement Status: Science

Breadth Requirement: Society and its Institutions (3) + Living Things and Their Environment (4)

#### TRN135Y1 Science and Social Choice [48S]

Scientific discoveries shape how we see ourselves and decisions made about how we live our lives and run our societies. We will discuss broader implications of research findings for making social decisions. Topics will include: genes and genetic determinism; evolutionary explanations of behavior and disease; scientific uncertainty and public communication.

Exclusion: Innis One, Munk One, New One, SMC One, UC One, Vic One, Woodsworth One

Distribution Requirement Status: Social Science or Science

Breadth Requirement: Society and its Institutions (3) + Living Things and Their Environment (4)

#### TRN150Y1 National versus International [48S]

This seminar examines the rise of nationalisms and nation states since the 16th century and the ways these intersect or compete with international movements, ideas and institutions. Topics may include the Enlightenment, the French Revolution, the birth of Germany, peace movements, the League of Nations, and humanitarian relief. Open only to students admitted to Trinity One. Not eligible for CR/NCR option.

Prerequisite: Admission to Trinity One

Exclusion: Innis One, Munk One, New One, St. Mike's One, Vic One, UC One, Woodsworth One

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

#### TRN151Y1 Global Governance [48S]

This seminar course provides an orientation to the study of contemporary world order. Topics may include important legacies of the world wars of the 20th century, theories of conflict and cooperation, and new forms of transnational collaboration. Open only to students admitted to Trinity One. Not eligible for CR/NCR option.

Prerequisite: Admission to Trinity One

Exclusion: Innis One, Munk One, New One, St. Mike's One, Vic One, UC One, Woodsworth One

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

#### TRN160Y1 Public Policy and the Public Good [48S]

What is public policy? Is there such a thing as the public good? What is the purpose of government in a liberal democratic society? How should policy makers respond when competing goods (e.g., freedom and security) conflict with each other? Ethical issues underlying a selection of contemporary public policy issues. Not eligible for CR/NCR option.

Prerequisite: Admission to Trinity One

Exclusion: Innis One, Munk One, New One, SMC One, UC One, Vic One, Woodsworth One

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2) + Society and its Institutions (3)

#### TRN161Y1 Making Public Policy Work [48S]

How do we know what kinds of public policy will work and what will not? How do we assess the effectiveness of a policy? An historical examination of ways in which Canadian governments have addressed a range of policy problems. Case studies of areas of federal and provincial activity today. Not eligible for CR/NCR option.

Prerequisite: Admission to Trinity One

Exclusion: Innis One, Munk One, New One, SMC One, UC One, Vic One, Woodsworth One

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

#### TRN170Y1 Ethics and the Creative Imagination [48S]

A seminar course that explores ethical issues through the study of works of the creative imagination that pose or provoke questions of right and wrong, good and evil, justice and injustice. The selected works will be drawn from such fields as literature, film, and the visual and performing arts. Open only to students admitted to Trinity One. Not eligible for CR/NCR option.

Prerequisite: Admission to Trinity One

Exclusion: Innis One, Munk One, New One, St. Mike's One, Vic One, UC One, Woodsworth One

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) + Thought, Belief and Behaviour (2)

#### TRN171Y1 Ethics and the Public Sphere [48S]

A seminar course that explores ethical issues arising in such public domains as international relations, law, science, business, the arts, civil society, public life, the mass media, popular culture. Issues may include war crimes, human rights, assisted suicide, genetic engineering, corporate responsibility, private vice and public virtue, the tragedy of the commons. Open only to students admitted to Trinity One. Not eligible for CR/NCR option.

Prerequisite: Admission to Trinity One

Exclusion: Innis One, Munk One, New One, St. Mike's One, Vic One, UC One, Woodsworth One

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2) + Society and



its Institutions (3)

**TRN225Y1 The Art of Health Science Discovery [48S]**

Illustrated by contemporary examples, students go through the stages of the scientific discovery process. From initial idea, through literature review, funding (grant writing and assessment), experimental design and critical analysis of data through to the public dissemination of results by publication, the patent process and development of intellectual property.

Prerequisite: TRN125Y1

Exclusion: PSL190H1

Distribution Requirement Status: Science

Breadth Requirement: Society and its Institutions (3) + Living Things and Their Environment (4)

**TRN235H1 Health Policy in Canada: Past, Present and Future [24S]**

This course explores the nature and impact of public health policy in Canada. The course describes the origins of Canadian health policy, its evolution towards its current form and the choices resulting from aging populations and the increasing costs associated with a high standard of health care.

Prerequisite: TRN135Y

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**TRN236H1 The Politics of Global Health [24S]**

This course explores the nature and impact of policy relationships designed to improve global public health. We explore the analytical tools necessary to study these institutional arrangements and examine successes and failures of these policy relationships across a range of global health policy challenges including infectious disease and child health.

Prerequisite: TRN135Y1, TRN235H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**Ethics, Society and Law Courses**

**TRN203H1 Society, its Limits and Possibilities [24L/12T]**

Key texts from various disciplines that articulate fundamental features, limitations, and possibilities of contemporary society are introduced. Political consent, economics, governmental administration, the global / post-colonial world, historical transformation, gender politics, and media may be addressed.

Prerequisite: Active in ASMAJ1618

Exclusion: TRN321H1 taken in 2015 Fall

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**TRN204H1 Introduction to Law and Legal Reasoning [24L/12T]**

This course introduces students to legal reasoning through progressively complex exercises. First, hypotheticals expose students to basic skills required for legal reasoning. Second, they analyze simplified versions of specially selected concrete cases. Third, the course analyses real cases discussed in first year courses in law school.

Prerequisite: Active in ASMAJ1618

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**TRN303H1 Ethics and Society [24S]**

An exploration of the ethical dimensions of selected contemporary social issues. Restricted to students in the major program Ethics, Society, and Law.

Prerequisite: Active in ASMAJ1618

Recommended Preparation: PHL271H1, TRN203H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**TRN304H1 Law and Social Issues [24L]**

An exploration of the legal dimensions of selected contemporary social issues. Restricted to students in the major program Ethics, Society, and Law.

Prerequisite: Active in ASMAJ1618

Exclusion: TRN304Y1

Recommended Preparation: PHL271H1, TRN204H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**TRN304Y1 Law and Social Issues [48L]**

An exploration of the legal dimensions of selected contemporary social issues. Restricted to students in the major program Ethics, Society, and Law.

Prerequisite: Active in ASMAJ1618

Exclusion: TRN304H1

Recommended Preparation: PHL271H1, TRN204H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**TRN305H1 Basic Principles of Law [24L]**

An exploration of some basic legal principles in public and private law. Areas of law that may be studied include contract, tort, criminal and administrative law. Restricted to students in the major program Ethics, Society, and Law.

Prerequisite: Active in ASMAJ1618. A student must be in third or fourth year.

Exclusion: TRN305Y1

Recommended Preparation: PHL271H1, TRN204H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**TRN305Y1 Basic Principles of Law [48L]**

The nature and justification of legal rules as preparation for the study of basic principles of law governing the relations between individual citizens, and the relations between individual citizens and the state. A selection of contract, tort, criminal and administrative law. Restricted to students in the major program Ethics, Society, and Law.

Prerequisite: Active in ASMAJ1618 only if enrolling in the Fall/Winter session. A student must be in third or fourth year.

Exclusion: TRN305H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**TRN320H1 Selected Topics in Ethics, Society, and Law [24S]**

The course examines a selected topic in ethics, society, and law. The set of topics will be based on the research interests of an individual instructor. Both the topics and the instructor may change with each offering of the course, and the course is not expected to be offered every year.

Prerequisite: Enrolment in ASMAJ1618. A student must be in third or fourth year.

Recommended Preparation: PHL271, TRN203H1, TRN204H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **TRN321H1 Selected Topics in Ethics, Society, and Law [24S]**

The course examines a set of selected topics in ethics, society, and law. The topics will be based on the research interests of an individual instructor. Both the topics and the instructor may change with each offering of the course, and the course is not expected to be offered every year.

Prerequisite: Enrolment in ASMAJ1618. A student must be in third or fourth year.

Recommended Preparation: PHL271, TRN203H1, TRN204H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **TRN406H1 Community Research Partnerships in Ethics [TBA]**

Students undertake research projects designed to meet the knowledge needs of ethics-oriented organizations in the broader community.

Prerequisite: Students must be in the final year of registration in the Major Program in Ethics, Society, and Law and will normally have a CGPA of at least 3.70. Enrolment is by application. Consult the Arts & Science Registration Instructions and Timetable at <http://www.artsci.utoronto.ca/current/course> for course enrolment procedures.

Recommended Preparation: PHL271H1, TRN203H1, TRN204H1, TRN303H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **TRN407Y1 Community Research Partnerships in Ethics [TBA]**

Students undertake research projects designed to meet the knowledge needs of ethics-oriented organizations in the broader community.

Prerequisite: Students must be in the final year of registration in the Major Program in Ethics, Society, and Law and will normally have a CGPA of at least 3.70. Enrolment is by application. Consult the Arts & Science Registration Instructions and Timetable at <http://www.artsci.utoronto.ca/current/course> for course enrolment procedures.

Recommended Preparation: PHL271H1, TRN203H1, TRN204H1, TRN303H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **TRN412H1 Seminar in Ethics, Society, and Law (formerly TRN312H1) [24S]**

Capstone Seminar in Ethics, Society, and Law.

Prerequisite: Students must be in their final year of registration in the Major Program: Ethics, Society and Law. Consult the Arts & Science Registration Instructions and Timetable at <http://www.artsci.utoronto.ca/current/course> for course enrolment procedures.

Exclusion: TRN312H1

Recommended Preparation: PHL271H1, TRN203H1, TRN204H1, TRN303H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **TRN425Y1 Law Workshops Course [TBA]**

Students attend workshops in the Faculty of Law, meet for related discussion and complete related assignments. Enrolment is restricted to qualified fourth-year students registered in the Major Program Ethics, Society, and Law.

Prerequisite: Students must be in the final year of registration in the Major Program in Ethics, Society, and Law and will normally have a CGPA of at least 3.70. Enrolment is by application. Consult the Arts & Science Registration Instructions and Timetable at

Recommended Preparation: PHL271H1, TRN203H1, TRN204H1, TRN303H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **Independent Studies Courses**

### **TRN299Y1 Research Opportunity Program [TBA]**

Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Prerequisite: Application through the Research Opportunity Program (ROP); selection by the instructor.

Distribution Requirement Status: Humanities

Breadth Requirement: None

### **TRN300H1 Trinity Independent Studies**

Trinity Independent Studies. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

### **TRN301Y1 Trinity Independent Studies**

Trinity Independent Studies. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

### **TRN302Y1 Trinity Independent Studies**

Trinity Independent Studies. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

### **TRN400H1 Trinity Independent Studies**

Trinity Independent Studies. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

### **TRN404Y1 Trinity Independent Studies**

Trinity Independent Studies. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

### **TRN405Y1 Trinity Independent Studies**

Trinity Independent Studies. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **International Relations Courses**

(See the International Relations Program Office for details)

**TRN250Y1 Ordering International Relations in the Age of Empire [24L/48T]**

The course examines the origins and development of three fundamental norms in international relations (sovereignty; free trade; human rights) in their historical, imperial context.

Prerequisite: Admission to International Relations Major or Specialist program

Recommended Preparation: Prerequisite courses for entry into International Relations Major or Specialist Program

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2) + Society and its Institutions (3)

**TRN409H1 Selected Topics in International Studies [TBA]**

Selected Topics in International Studies

Prerequisite: Enrolment in the International Relations program or in a History or Political Science major or specialist program

Exclusion: TRN409Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**TRN409Y1 Selected Topics in International Studies [TBA]**

Selected Topics in International Studies

Prerequisite: Enrolment in the International Relations program or in a History or Political Science major or specialist program

Exclusion: TRN409H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**TRN410H1 Selected Topics in International Studies [TBA]**

Selected Topics in International Studies

Prerequisite: Enrolment in the International Relations major program.  
Corequisite: None

Exclusion: TRN410Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**TRN411Y1 Selected Topics in International Studies [TBA]**

Selected Topics in International Studies

Prerequisite: Enrolment in the International Relations program or in a History major or specialist program, or permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: None

**TRN419Y1 Comparative American, British and Canadian Foreign Policy [48S]**

The origins and evolution of American, British and Canadian foreign policy from the late 18th century to the present. Policies are compared in order to understand the development of these countries as nations and actors in the international community.

Prerequisite: Students must have a background in one of Canadian, British or American history.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

**TRN421Y1 The Practice and Institutions of Diplomacy (formerly JHP420Y1) [48S]**

Evaluation of the nature of foreign policy negotiation and decision-making from the perspective of the practitioner.

Prerequisite: ECO342Y1/HIS311Y1/POL312Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**Other Trinity College Courses**

**TRN190Y1 Critical Reading and Critical Writing [48S]**

This course introduces students to a number of critical approaches and develops the students own responses to texts through an understanding of critical vocabulary and the art of close analytical reading. Students also learn how to make their own critical analysis more effective through oral presentations and written work.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**TRN200Y1 Modes of Reasoning (formerly TRN200H1) [24L/24S]**

First term: students are taught how to recognize, analyze, evaluate, and construct arguments in ordinary English prose. Second term: one or more discipline-related modes of reasoning (e.g., scientific reasoning, ethical reasoning, legal reasoning) studied with reference to a selection of contemporary social issues.

Exclusion: PHL247H1/PHI247H1/TRN200H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**TRN307H1 International Experience I**

A one semester research experience abroad. Students participate in a research project under the mentorship of a faculty supervisor in the host institution and gain experience of working and living abroad.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**TRN308H1 International Experience II**

Students who have engaged in a research project abroad participate in a regular forum in which they present their research projects and discuss their varied experiences of work and social engagement in different foreign environments. Students prepare a detailed scholarly article based on their research.

Prerequisite: TRN307H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**TRN377Y1 Trinity Comprehensive Paper I [TBA]**

Students are individually mentored by faculty experts through readings from primary literature towards preparation of a quality review article. For students in third year, students identify their faculty mentor during second year and agree to become familiar with the available textbook level material during that year in their chosen topic. Not eligible for CR/NCR option.

Prerequisite: minimum of 8.0 FCEs completed and by permission of the instructor

Distribution Requirement Status: Humanities or Social Science or Science

Breadth Requirement: TBA

**TRN477H1 Trinity Comprehensive Paper II [TBA]**

The preparation of a publication quality review article typically involves extensive editing. Students are individually mentored by faculty experts to take the review paper generated in TRN377Y1 and edit the structure, content and style to produce a publication quality review article. Not eligible for CR/NCR option.

Prerequisite: TRN377Y1

Distribution Requirement Status: Humanities or Social Science or Science

Breadth Requirement: TBA

## **TRN478H1 Science Writing for Non-Scientific Audiences**

The course aims to train senior-level science students in a wide range of writing genres, focusing on a diversity of non-scientific audiences and writing styles. In addition, students learn to read and analyze texts in order to understand rhetorical strategies and devices.

Prerequisite: Students in science specialist or major programs.

Permission by instructor.

Exclusion: Non-science students, first or second year students.

Recommended Preparation: TRN377 (the comprehensive paper will serve as writing sample).

Distribution Requirement Status: Humanities

Breadth Requirement: Living Things and Their Environment (4)

## Faculty

### Associate Professors

- E. Gilbert, MA, Ph.D. (Canadian Studies)
- L. Mar, Ph.D (Canadian Studies)

### Assistant Professor

- Ryan Hall, Ph.D (Canadian Studies)

### Senior Lecturer

- J. Plotnick, MA, MSc (Writing Workshop)

### Lecturers

- J. John, BA, Ph.D. (Cognitive Science)
- S. Rayter, MA, Ph.D. (Sexual Diversity Studies)
- R. Salutin, MA (Canadian Studies)
- J. Vervaeke, MA, Ph.D (Cognitive Science)

## Introduction

University College offers a number of programs and courses outside the areas traditionally covered by departments. These include UC One and programs and courses in Canadian Studies, Cognitive Science, Drama, Health Studies, and Sexual Diversity Studies, in addition to 199Y1 Seminars, and introductory courses for non-specialists in mathematics. The overall aims of the College Programs are to foster interdisciplinary work in significant areas of study and to encourage intellectual breadth. Many program courses are open to students not enrolled in the programs themselves.

### UC One: Engaging Toronto

UC One is an exciting initiative that provides first-year students with a special university experience. Students choose from one of four courses, each of which is designed to engage with the city from a different perspective. Classroom learning is directly linked to real life experience.

UC One is a full-credit course, one of five courses typically taken by a first-year Faculty of Arts and Science student. Enrolment in each course is limited to 25 students. Students enrol in one of the following four full year courses:

- UNI101Y1: Citizenship in the Canadian City
- UNI102Y1: Performing the City
- UNI103Y1: Gradients of Health in an Urban Mosaic
- UNI104Y1: Sex in the City

In UC One, you can choose a stream that complements your own interests.

Weekly lectures and seminars will be supplemented with prominent guest speakers, including political and business leaders, activists from non-governmental organizations, theatre directors, artists, and health practitioners. Students will have the opportunity to meet with the speakers and socialize with their fellow students after each guest lecture. Students will also participate in a range of field trips across the city.

UC One requires an application that is found on the UC One website at: [www.uc.utoronto.ca/ucone](http://www.uc.utoronto.ca/ucone). All first-year students in the Faculty of Arts and Science (St. George campus) are eligible for admission. Students may apply to more than one UC One seminar by ranking their preferences. Those participating in other One programs are excluded

from UC One.

The Canadian Studies Program (Specialist, Major, Minor)

offers opportunities to study contemporary Canada in an interdisciplinary manner and to explore cultural, social, economical and political developments in this complex and diverse country. Students are encouraged to consider additional courses in Aboriginal Studies in completing the requirements of the Program.

The Cognitive Science Program (Major)

The Cognitive Science Program introduces students to the field of cognitive science: the interdisciplinary study of mind in humans and machines. Our students gain an understanding of such mental phenomena as perception, language, reasoning, and consciousness, and they integrate this understanding with an account of how the human brain works.

The Cognitive Science Arts Major has three course streams: Perception and Attention; Thinking and Reasoning; and Language and Cognition. The Cognitive Science Science Major has two streams: Computational Cognition and Cognition and the Brain. Courses include: COG250Y1 Introduction to Cognitive Science; COG341H1 and COG342H1 Issues in Cognitive Science; COG401H1 and COG402H1 Seminar in Cognitive Science; COG499H1 Independent Study; as well as courses drawn from offerings in Computer Science, Linguistics, Philosophy, and Psychology.

The Drama Program (Specialist, Major, Minor)

is described elsewhere in this Calendar, under Drama.

The Health Studies Program (Specialist, Major)

focuses the many areas of study that surround, interact with and support bio-medical research and clinical activity in regard to health, including health policy, practices, research methods, and socio-cultural expression. The Major serves as a general introduction; the Specialist provides a more intense research focus with more methodological emphasis.

The Sexual Diversity Studies Program (Specialist, Major, Minor)

allows students to focus on questions of sexual identity, difference, and dissidence across disciplinary lines and cultural frameworks. By examining sexual diversity across time and place, students will learn about the ways different cultures have separated the sexual from the nonsexual, the normal from the abnormal, and what the regulation of sexuality can tell us about how power operates along the lines of gender and race, for example. Students will gain an understanding of how and why certain sexual practices have come under scrutiny, and the significance of the various labels and identities that we have attached to them.

UNI and DRM courses are staffed by a combination of specific program staff members and members of various University departments, and are open to all students at the University. Further information on University College programs is available at [www.uc.utoronto.ca](http://www.uc.utoronto.ca). Further information on DRM is available at <http://dramacentre.utoronto.ca/>.

Enquiries: Programs Office, University College, Room UC173 (416-946-4025). Drama Centre (416-978-8099). Sexual Diversity Studies (416-978-6276)

## University College Programs

## Canadian Studies Specialist (Arts program)

(11 full courses or their equivalent in Canadian Studies approved courses including at least 4 FCEs at the 300+ level, 1 FCE of which must be at the 400 level.)

First Year: No specific first-year requirements. (Students are advised to take introductory courses that will serve as prerequisites for optional courses of interest to them later in the program.)

1. (CDN267H1, CDN268H1), HIS263Y1
2. (CDN367H1, CDN368H1)
3. 0.5 FCE of any one of the following:  
CDN307H1/CDN335H1/CDN380H1/CDN390H1/JSU325H1
4. CDN420Y1/CDN435Y1 or another fourth-year Canadian Studies course approved by the Program Director.
5. Students will take another 6.5 FCEs offered by the Canadian Studies program, or from the long list of courses approved by the Canadian Studies program (see: [www.uc.utoronto.ca/canadianstudies/](http://www.uc.utoronto.ca/canadianstudies/)). Suitable courses not on the list may be considered in consultation with the Program Director.

## Note

Completion of four FCEs are required for enrolment in the Canadian Studies Specialist or Major program; no minimum GPA required. Students are responsible for checking co- and prerequisites for all courses. Please note that not all courses are offered on a regular basis. A list of approved Canadian Studies courses can be found on the website at [www.uc.utoronto.ca/canadianstudies/](http://www.uc.utoronto.ca/canadianstudies/). Other courses that are in the current academic Calendar that include significant Canadian content may be considered in consultation with the Canadian Studies Program Director. Consult the Canadian Studies Program Office, UC173, University College, 416-946-4025, Email: [canadian.studies@utoronto.ca](mailto:canadian.studies@utoronto.ca)

## Canadian Studies Major (Arts program)

(7 full courses or their equivalent in Canadian Studies approved courses with 2 FCEs at the 300+ level, 0.5 FCE of which must be at the 400 level)

First Year: No specific first-year requirements. (Students are advised to take introductory courses that will serve as prerequisites for optional courses of interest to them later in the program.)

1. (CDN267H1, CDN268H1), HIS263Y1
2. (CDN367H1, CDN368H1)
3. 0.5 FCE of any one of the following:  
CDN307H1/CDN335H1/CDN380H1/CDN390H1/JSU325H1
4. CDN405H1 or another fourth-year Canadian Studies course approved by the Program Director.
5. Students will take another 3 FCEs offered by the Canadian Studies program, or from the long list of courses approved by the Canadian Studies program (see: [www.uc.utoronto.ca/canadianstudies/](http://www.uc.utoronto.ca/canadianstudies/)). Suitable courses not on the list may be considered in consultation with the Program Director.

## Note

Completion of four courses is required for enrolment in the Canadian

Studies Specialist or Major program; no minimum GPA required. Please note that not all courses are offered on a regular basis. A list of approved Canadian Studies courses can be found on the website at [www.uc.utoronto.ca/canadianstudies/](http://www.uc.utoronto.ca/canadianstudies/). Other courses that are in the current academic Calendar that include significant Canadian content may be considered in consultation with the Canadian Studies Program Director. Consult the Canadian Studies Program Office, UC173, University College, 416-946-4025, Email: [canadian.studies@utoronto.ca](mailto:canadian.studies@utoronto.ca).

## Canadian Studies Minor (Arts program)

(4 full courses or their equivalent, including at least 1 FCE at the 300+ level)

First Year: No specific first-year requirements. (Students are advised to take introductory courses that will serve as prerequisites for optional courses of interest to them later in the program.)

1. CDN267H1/CDN268H1
2. CDN367H1/CDN368H1
3. 1 FCE from the list:  
UNI101Y1/CDN202H1/CDN205H1/CDN221H1/CDN230H1/CDN267H1/  
CDN268H1/CDN280H1/CDN305H1/CDN307H1/SDS355H1/CDN367H1/  
CDN368H1/CDN380H1/CDN390H1/CDN405H1/CDN420Y1/CDN425H1/  
CDN430Y1/CDN435Y1/DRM268H1/HST211H1/JUG320H1/JSU325H1/S  
OC218H1/UNI220Y1/UNI320Y1
4. Students will take another 2 FCEs in courses offered by the Canadian Studies program, or the long list of courses approved by the Canadian Studies program (a full list of approved Canadian Studies courses can be found on the website at [www.uc.utoronto.ca/canadianstudies/](http://www.uc.utoronto.ca/canadianstudies/)). Suitable courses not on the list may be considered in consultation with Program Director.

## Note

Students are responsible for checking co- and prerequisites for all courses. Please note that not all courses are offered on a regular basis. A list of approved Canadian Studies courses can be found on the website at [www.uc.utoronto.ca/canadianstudies/](http://www.uc.utoronto.ca/canadianstudies/). Other courses that are in the current academic Calendar that include significant Canadian content may be considered in consultation with the Canadian Studies Program Director. Consult the Canadian Studies Program Office, UC173, University College, 416-946-4025, email: [canadian.studies@utoronto.ca](mailto:canadian.studies@utoronto.ca).

## Cognitive Science (Arts Program) Major

(8 FCEs)

This is a Type 2 program. Enrolment is limited and admission requires the completion of either COG250Y1, or a combination of 1.5 FCE in CSC, LIN, PHL, PSY (no more than 1 FCE from a single department). Please note that meeting the minimum admission requirements does not guarantee one a spot in any of our programs, depending on the number of program spaces available.

Where noted below, please consult the Faculty of Arts & Science Course Calendar on prerequisites. Note that those interested in taking upper-level computer science courses should begin with CSC108H1, not CSC104H1.

First Year:

CSC104H1/CSC108H1/CSC120H1; LIN100Y1; COG250Y1 (can be

taken as a corequisite in Year 2)

Second Year:

STA220H1/PSY201H1; PSY270H1

Second Year and Higher:

PHL342H1; PSY473H1/PSY493H1; and 3 FCEs from one of Stream 1, 2, or 3:

*Stream 1: Perception and Attention*

PHL232H1; PSY280H1; and 2.0 FCEs of any of the following:  
COG341H1; COG342H1; PSY312H1; PSY380H1; PSY475H1;  
PHL340H1; PHL405H1; JLP374H1; NEW333H1; NEW438H1

COG499H1

For those with the appropriate prerequisites: CSC207H1; CSC320H1;  
CSC420H1

*Stream 2: Language and Cognition*

1.5 FCEs of any of the following: LIN232H1; LIN241H1; JLP315H1;  
LIN331H1; LIN341H1; JLP374H1

1.5 FCEs of any of the following: COG341H1; COG342H1;  
JLP471H1; JLS472H1; JLS473H1; PSY312H1; PHL245H1; PHL340H1;  
PHL345H1; PHL351H1; PHL451H1; NEW333H1; NEW438H1

COG499H1

For those with the appropriate prerequisites: CSC401H1; CSC485H1

*Stream 3: Thinking and Reasoning*

PHL245H1; PSY260H1; and 2.0 FCEs of any of the following:  
COG341H1; COG342H1; PSY312H1; PSY370H1; PSY371H1;  
PSY372H1; PHL246H1; PHL340H1; PHL347H1; JLP374H1;  
JLP471H1; JLS472H1; JLS473H1; NEW333H1; NEW438H1

COG499H1

For those with the appropriate prerequisites: CSC207H1; CSC304H1;  
CSC321H1; CSC384H1; CSC486H1

Fourth Year: COG401H1

## Note

Students are responsible for checking co- and prerequisites for all courses. Please note that not all courses are offered on a regular basis. A list of approved Cognitive Science courses can be found on the website: <http://www.utoronto.ca/requirements>. For any questions, consult the Cognitive Science Program Office, UC173, University College, 416-946-4025, Email: [cecille.sioulis@utoronto.ca](mailto:cecille.sioulis@utoronto.ca), or write to the Program Director at Email: [cogsci.director@utoronto.ca](mailto:cogsci.director@utoronto.ca)

### Cognitive Science (Science Program) Major

(8 FCE)

This is a Type 2 program. Enrolment is limited and admission requires the completion of either COG250Y1, or a combination of 1.5 FCE in CSC, LIN, PHL, PSY (no more than 1 FCE from a single department). Please note that meeting the minimum admission requirements does not guarantee one a spot in any one of our programs, depending on the number of program spaces available.

Note that some Computer Science courses included below under Streams 1 and 2 have unlisted co- or prerequisites. Please consult the Faculty of Arts and Science Course Calendar. Those interested in the Science Major are advised to consider also registering for a Computer Science Specialist, Major, or Minor (for Stream 1) or a Human Biology Neuroscience Specialist or Major (for Stream 2).

First Year:

CSC108H1/CSC120H1 (recommended option); CSC148H1; MAT135H1 and MAT136H1 (or MAT137Y1); COG250Y1 (may be taken as a corequisite in Year 2)

Second Year:

STA220H1/STA257H1/PSY201H1

Second Year and Higher:

PHL342H1; PSY473H1/PSY493H1; and 3 FCEs from one of Stream 1 or 2:

*Stream 1: Computational Cognition*

Computational cognition is the interdisciplinary study of the information-processing underpinnings of cognitive mental processes. It seeks an understanding of cognition in mathematical terms and to apply this understanding to debates in artificial intelligence, cognitive psychology, and beyond.

No more than 1.5 FCEs of the 3 FCEs required from this list of options may come from any single 3-letter course designator, except for CSC courses. For CSC courses, a minimum of 1 FCE and up to 2 FCEs may be chosen. At least 1 FCE of the 3 FCEs must be at the 300+-level.

CSC207H1; CSC304H1; CSC321H1; CSC324H1; CSC384H1;  
CSC401H1; CSC420H1; CSC485H1; CSC486H1;  
COG341H1/COG342H1; LIN100Y1; LIN228H1; LIN232H1; LIN241H1;  
JLP315H1; LIN323H1; LIN331H1; LIN341H1; JLP374H1; JLP471H1;  
PHL240H1; PHL245H1/CSC330H1; PHL246H1; PHL345H1; PHL347H1;  
PHL348H1; PHL349H1; PHL355H1; PSY210H1; PSY220H1;  
PSY230H1; PSY260H1; PSY270H1; PSY280H1; PSY290H1;  
PSY312H1; PSY305H1; PSY316H1; PSY330H1; PSY331H1;  
PSY362H1; PSY370H1; PSY371H1; PSY372H1; PSY378H1;  
PSY379H1; PSY380H1; PSY414H1; PSY475H1; NEW232Y1;  
NEW333H1; NEW438H1

COG499H1

*Stream 2: Cognition and the Brain*

Today's cognitive scientists are more interested than ever before in the way the brain implements the information-processing underpinnings of cognitive mental processes. The study of cognition and the brain is the study, grounded in cognitive neuroscience, of those aspects of brain activity directly relevant to the performance of cognitive functions.

BIO120H1 and BIO220H1 (or BIO150Y1); and 2 FCEs of the following courses, with at least 1 FCE coming from PSY courses. At least 0.5 FCE of the 2 FCEs must be at the 300+-level. CSC207H1; CSC321H1;  
PHL355H1; PHL357H1; PSY270H1; PSY280H1; PSY290H1;  
PSY312H1; PSY316H1; PSY331H1; PSY362H1; PSY380H1;  
PSY390H1; PSY396H1; PSY397H1; PSY473H1; PSY492H1;  
PSY494H1; COG341H1/COG342H1; NEW232Y1; NEW333H1;  
NEW438H1; JLP471H1; JLS472H1; JLS473H1

COG499H1

Fourth Year:

COG402H1

## Note

Students are responsible for checking co- and prerequisites for all courses. Please note that not all courses are offered on a regular basis. A list of approved Cognitive Science courses can be found on the website: <http://www.uc.utoronto.ca/requirements>. For any questions, consult the Cognitive Science Program Office, UC173, University College, 416-946-4025, Email: [cecille.sioulis@utoronto.ca](mailto:cecille.sioulis@utoronto.ca), or write to the Program Director at Email: [cogsci.director@utoronto.ca](mailto:cogsci.director@utoronto.ca)

### Asian Canadian Studies Minor (Arts program)

The Minor in Asian Canadian Studies provides students with an opportunity to better understand the historical, socio-cultural, economic, and political forces that shape our knowledge about people of Asian heritage in Canada, and in relationship to Asia and the diaspora. The category "Asian Canadian" is widely understood to refer to people in Canada of East Asian, South Asian, Southeast Asian, and West Asian ancestry.

The program is interdisciplinary. Courses foreground the intersections of race and ethnicity with other indices of difference, such as gender, class, migration, sexuality, language, and spirituality, in local, national, and global contexts. Students take two required half-year core courses in Canadian Studies; select from an array of courses on Asian Canadian Studies; and supplement their program with the large number of cross-listed program courses noted below. The Minor in Asian Canadian Studies is easily combined with more traditional disciplinary areas of study, such as Anthropology, Art, Economics, Geography, History, Political Science and Sociology, or with interdisciplinary studies in Contemporary Asian Studies, Diaspora and Transnational Studies, and East Asian Studies.

Students will be encouraged to take full advantage of the opportunities available through the Canadian Studies program, including an annual undergraduate student conference and a journal, *ImagiNATIONS*, produced by and for undergraduate students. The Canadian Studies Student Union is a focal point for social as well as academic pursuits, and is open to students pursuing a Minor in Asian Canadian Studies.

### Asian Canadian Studies Minor

(4 full courses or their equivalent, including at least 1 FCE at the 300+ level).

First Year: No specific first-year requirements. (Students are advised to take introductory courses that will serve as prerequisites for optional courses of interest to them later in the program.)

1. CDN267H1/CDN268H1
2. CDN367H1/CDN368H1
3. 2 FCEs from the following courses:  
CAS413H1/EAS315H1/ENG268H1/ENG368H1/SOC218H1/CDN230H1/CDN307H1/CDN390H1/CDN395H1
4. Students will take another 1 FCE in courses offered by the Canadian Studies program, or the long list of courses approved by the Canadian Studies program. A full list of approved Canadian Studies course can be found on the website at [www.uc.utoronto.ca/canadianstudies/](http://www.uc.utoronto.ca/canadianstudies/).

## Note

Students are responsible for checking co- and prerequisites for all courses. Please note that not all courses are offered on a regular basis. A list of approved Canadian Studies courses can be found on the website at [www.uc.utoronto.ca/canadianstudies/](http://www.uc.utoronto.ca/canadianstudies/). Courses that are in the current academic Calendar that include significant Canadian content may be considered in consultation with the Canadian Studies Program Director. Consult the Canadian Studies Program Office, UC173, University College, 416-946-4025, email: [canadian.studies@utoronto.ca](mailto:canadian.studies@utoronto.ca).

### Health Studies Specialist (Arts program)

(11.0 FCEs, including at least 2.0 FCE at the 400 level.)

This is a limited enrolment program with a finite number of spaces. To apply, students must have completed 4.0 FCEs. For further details on the application process please visit the Health Studies website at [www.uc.utoronto.ca/healthstudies/](http://www.uc.utoronto.ca/healthstudies/)

First Year: No specific courses required. Students are advised to take introductory courses that will serve as prerequisites for optional courses of interest to them later in the program; we recommend at least 1.0 FCE in life sciences (e.g. BIO120H1/BIO130H1) and 1.0 FCE in social sciences or humanities (e.g., PHL100Y1 and/or SOC101Y1). UNI103Y1 would also be an asset, and can be counted towards program requirements.

Second Year: HST209H1, HST211H1, HST250H1;

0.5 FCE in statistics: STA220H1 or equivalent;

1.5 FCE of the following courses:

ANT208H1/HMB202H1/HMB203H1/JSU237H1/NFS284H1/PHL281H1/SOC243H1/STA221H1/TRN235H1/TRN236H1

Third Year: HST310H1, HST330H1, HST350Y1, HST373H1; 1.5 FCE of the following courses:

HST308H1/HST309H1/ABS340Y1/ABS350H1/ANT345H1/ANT348H1/ANT358H1/GGR340H1/HPS319H1/HMB303H1/HMB323H1/PHL380H1/PHL381H1/PHL383H1/PHS300H1/SOC363H1/SOC364H1/WGS367H1

Fourth Year: HST450Y1; 1.0 FCE of the following courses:  
HST408H1/HST409H1/HST411H1/HST440H1/HST464H1

The remaining 1.5 FCE can include any courses not previously taken from the lists above, or any of the following:

HST480H1/UNI103Y1/ANT460H1/ENV430H1/HAJ453H1/HMB433H1/HMB498Y1/HMB422H1/HMB406H1/HMB462H1/HMB434H1/IRE378H1/JFP450H1/NEW344Y1/PHL440H1/RLG440H1/SOC427H1

## Note

Completion of four FCEs are required for enrolment in the Health Studies Specialist or Major program; no minimum GPA required. Students are responsible for checking co- and prerequisites for all courses. Please note that not all courses are offered on a regular basis. Other courses that are in the current academic Calendar that include significant Health Studies content may be considered in consultation with the Health Studies Program Director. Consult the Health Studies Program Office, UC173, University College, 416-946-4025, Email: [health.studies@utoronto.ca](mailto:health.studies@utoronto.ca)



## Health Studies Major (Arts program)

(8.0 FCEs, including at least 1.5 FCE at the 400 level.)

This is a limited enrolment program with a finite number of spaces. To apply, students must have completed 4.0 FCEs. For further details on the application process please visit the Health Studies website at [www.uc.utoronto.ca/healthstudies/](http://www.uc.utoronto.ca/healthstudies/)

**First Year:** No specific courses required. Students are advised to take introductory courses that will serve as prerequisites for optional courses of interest to them later in the program; we recommend at least 1.0 FCE in life sciences (e.g. BIO120H1/BIO130H1) and 1.0 FCE in social sciences and/or humanities (e.g., PHL100Y1 and/or SOC101Y12H1). UNI103Y1 would also be an asset, and can be counted towards program requirements.

**Second Year:** HST209H1, HST211H1, HST250H1;

0.5 FCE in statistics: STA220H1 or equivalent;

1.0 FCE of the following courses:

ANT208H1/HMB202H1/HMB203H1/JSU237H1/NFS284H1/PHL281H1/SOC243H1/STA221H1/TRN235H1/TRN236H1

**Third Year:** HST310H1, HST330H1, HST373H1; 1.0 FCE of the following courses:

HST308H1/HST309H1/HST350Y1/ABS340Y1/ABS350H1/ANT345H1/ANT348H1/ANT358H1/GGR340H1/HPS319H1/HMB303H1/HMB323H1/PHL380H1/PHL381H1/PHL383H1/PHS300H1/SOC363H1/SOC364H1/WGS367H1

**Fourth Year:** 1.5 FCE of the following courses:

HST400Y1/HST408H1/HST409H1/HST411H1/HST440H1/HST451Y1/HST464H1/HST480H1

The remaining 1.0 FCE can include any courses not previously taken from the lists above, or any of the following:

UNI103Y1/ANT460H1/ENV430H1/JFP450H1/HAJ453H1/HMB406H1/HMB422H1/HMB433H1/HMB434H1/HMB462H1/HMB498Y1/IRE378H1/NW344Y1/PHL440H1/RLG440H1/SOC427H1

Not all courses are offered every year. Students are responsible for checking prerequisites for all courses. Courses in the current academic Calendar that include content of relevance to Health Studies may be considered for program inclusion in consultation with the Health Studies Program Director.

## Note

Completion of four FCEs are required for enrolment in the Health Studies Specialist or Major program; no minimum GPA required. Students are responsible for checking co- and prerequisites for all courses. Please note that not all courses are offered on a regular basis. Other courses that are in the current academic Calendar that include significant Health studies content may be considered in consultation with the Health Studies Program Director. Consult the Health Studies Program Office, UC173, University College, 416-946-4025, Email: [health.studies@utoronto.ca](mailto:health.studies@utoronto.ca)

## University College Courses

Listed in this order:

- UC One
- Canadian Studies
- Cognitive Science
- Health Studies

- Sexual Diversity Studies
- Other University College Courses

## First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

## UC One: Engaging Toronto

UC One is an exciting initiative that provides first-year students with a special university experience. Students choose from one of four courses, each of which is designed to engage with the city from a different perspective. Classroom learning is directly linked to real life experience.

UC One is a full-credit course, one of five courses typically taken by a first-year Faculty of Arts and Science student. Enrolment in each course is limited to 25 students. Students enrol in one of the following four full year courses:

- UNI101Y1: Citizenship in the Canadian City
- UNI102Y1: Performing the City
- UNI103Y1: Gradients of Health in an Urban Mosaic
- UNI104Y1: Sex in the City

In UC One, you can choose a stream that complements your own interests.

Weekly lectures and seminars will be supplemented with prominent guest speakers, including political and business leaders, activists from non-governmental organizations, theatre directors, artists, and health practitioners. Students will have the opportunity to meet with the speakers and socialize with their fellow students after each guest lecture. Students will also participate in a range of field trips across the city.

UC One requires an application that is found on the UC One website at: [www.uc.utoronto.ca/ucone](http://www.uc.utoronto.ca/ucone). All first-year students in the Faculty of Arts and Science (St. George campus) are eligible for admission. Students may apply to more than one UC One seminar by ranking their preferences. Those participating in other One programs are excluded from UC One.

### UNI101Y1 Citizenship in the Canadian City [12P/54S]

Who belongs? Who governs? Who decides? In this course you will examine the concepts of citizenship, public space, political membership, civic responsibility, and belonging. You will address topics such as Aboriginal sovereignty claims, urban multiculturalism, public housing, and greening the city. Not eligible for CR/NCR option.

Prerequisite: Admission to UC One

Exclusion: Innis One, Munk One, New One, St. Mike's One, Trinity One, Vic One, Woodsworth One

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Thought, Belief and Behaviour (2) + Society and its Institutions (3)

## **UNI102Y1 Performing the City [12P/54S]**

You will explore the connections between the performing arts, urban spaces, and cultural diversity. How does theatrical performance affect how people perceive the city? What are the alternatives to established theatres, and how does community activism inform performing arts in Toronto? Not eligible for CR/NCR option.

Prerequisite: Admission to UC One

Exclusion: Innis One, Munk One, New One, St. Mike's One, Trinity One, Vic One, Woodsworth One

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

## **UNI103Y1 Gradients of Health in an Urban Mosaic [12P/54S]**

In this course, you will examine how Toronto's varied communities access and use health care, and how they may encounter barriers in doing so. You will study how economic disparities, shifting demographics, and government policies affect health policy and the right to access resources. Not eligible for CR/NCR option.

Prerequisite: Admission to UC One

Exclusion: Innis One, Munk One, New One, St. Mike's One, Trinity One, Vic One, Woodsworth One

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Thought, Belief and Behaviour (2) + Society and its Institutions (3)

## **UNI104Y1 Sex in the City [12P/54S]**

You will learn about the sexual politics of the city and how cities and their neighbourhoods become sexualized and desexualized spaces. In *Sex in the City*, you will examine what "sex" means to Toronto's varied, multicultural communities by looking at urban space, cultural productions, law enforcement, safety and health resources and more. Not eligible for CR/NCR option.

Prerequisite: Admission to UC One

Exclusion: Innis One, Munk One, New One, St. Mike's One, Trinity One, Vic One, Woodsworth One

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

## **Canadian Studies Courses**

Offers opportunities to study contemporary Canada in an interdisciplinary manner and to explore cultural, social, economical and political developments in this complex and diverse country. Students are encouraged to consider additional courses in Aboriginal Studies in completing the requirements of the Program.

## **CDN202H1 Aspects of Québec Culture (formerly UNI202H1) [24S]**

An exploration of modern Québec culture as expressed in literature and the performing arts. Through a selection of internationally-known entertainers, we examine form, artistic innovation, communication of information and knowledge, and spectatorship. Novels and plays provide key elements such as tradition and historical context.

Exclusion: UNI202H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **CDN205H1 Topics in Canadian Studies I (formerly UNI205H1) [24L]**

A focused introduction to specific issues in Canadian culture and society. Content will vary from year to year. Specific course information will be available on the Canadian Studies website at [www.uc.utoronto.ca/canadianstudies](http://www.uc.utoronto.ca/canadianstudies).

Exclusion: UNI205H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

## **CDN218H1 Voices in Canadian Writing (formerly UNI218H1) [24S]**

A study of the variety of voices in Canadian fiction with a focus on contemporary writers. Issues such as marginalization, migration, diaspora and the formulation of the Canadian canon are discussed.

Exclusion: UNI218H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **CDN221H1 Culture and the Media in Canada (formerly UNI221H1) [24L]**

An exploration of the encounter between culture and mass communication in Canadian society. The course considers the role of major cultural institutions such as the CBC and the NFB, and their granting bodies. The emergence of new media and its relationship to mass media is also addressed.

Exclusion: UNI221H1

Distribution Requirement Status: Social Science

Breadth Requirement: Creative and Cultural Representations (1)

## **CDN230H1 Asian Canadian History (formerly UNI230H1) [24L]**

The course examines the history of Asians in Canada from the mid-1800s to the present by analyzing their contributions to the socio-cultural, economic, and political development of Canada. It explores how Asian Canadian history reconfigures prevailing understanding of race, migration, multiculturalism, and national identity through intersectional, comparative, and transnational frameworks.

Exclusion: UNI230H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **CDN267H1 Canadian Nationalisms (formerly UNI267H1) [24L]**

A critical examination of contemporary forms of Canadian nationalism. This interdisciplinary course will interrogate national formations across theoretical works, policy documents, and cultural representations. Students will address the ways that nationalist discourses constitute difference, especially with respect to race, ethnicity, gender, and sexuality.

Exclusion: UNI220Y, UNI267H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **CDN268H1 Canada and Globalization (formerly UNI268H1) [36L]**

Students examine the impact of contemporary globalization on Canada, and for Canada's place in the world. The course is interdisciplinary in its approach and addresses globalization from a wide range of perspectives, including mobility, trade, urbanization, health, religion, environmental change, technology, communications, and the arts.

Exclusion: UNI220Y, UNI268H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**CDN280H1 Canadian Jewish History (formerly UNI280H1) [24L]**

This course focuses on initial settlement patterns of Jewish people in Toronto and elsewhere, community growth including suburbanization, and contemporary challenges such as anti-Semitism and assimilation.

Exclusion: UNI280H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

**CDN305H1 Topics in Canadian Studies II (formerly UNI305H1) [24L]**

An in-depth study of selected questions in contemporary Canadian culture and society. Content will vary from year to year. Specific course information will be available on the Canadian Studies website at [www.uc.utoronto.ca/canadianstudies/](http://www.uc.utoronto.ca/canadianstudies/).

Exclusion: UNI305H1

Distribution Requirement Status: Humanities or Social Science

**CDN307H1 Asian Cultures in Canada (formerly UNI307H1) [24S]**

An exploration of the cultural histories and creative productions of a wide range of Asian communities in Canada. Experts in specific areas - literature, dance, drama, film - will be invited to present their work.

Exclusion: UNI307Y1, UNI307H1

Recommended Preparation: CDN267H1 (formerly UNI267H1), CDN268H1 (formerly UNI268H1)

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**CDN335H1 Black Canadian Studies (formerly UNI335H1) [24S]**

An interdisciplinary course that interrogates the constitution of blackness in Canada. Students will study race and ethnic relations, alongside other identity formations such as class, gender and sexuality. Topics to be addressed include media, education, law, immigration and mobility, urbanism, work, political representation and the arts.

Prerequisite: CDN267H1 (formerly UNI267H1), CDN268H1 (formerly UNI268H1)

Exclusion: UNI335H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**CDN355H1 Digital Tools in a Canadian Context [24S]**

This course will introduce students to quantitative research tools developed through the Digital Humanities. Students will learn to use online text analytics tools in order to understand how quantitative methods can support critical academic research of the study of Canada. Quantitative digital analysis will be applied to a wide range of Canadian digital academic archives and community hubs.

Prerequisite: One of:

CDN202H1/CDN205H1/CDN218H1/CDN221H1/CDN230H1/CDN267H1/CDN268H1/CDN367H1/CDN368H1/HIS263Y1/SOC218H1

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

**CDN340H1 Canadian-American Relations [24L]**

Over time, Canadians and Americans have developed distinct identities and cultures, but their histories have always been closely linked. This course examines the complex interrelationship between Canada and the U.S. from the colonial period through the present day, especially its political, cultural, and indigenous dimensions.

Prerequisite: 0.5 FCE in a CDN course or permission of instructor

Exclusion: CDN305H1 (Canadian Topics II: The History of Canadian-U.S. Relations)

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**CDN365H1 The Canadian Arctic [24S]**

This course surveys topics related to the Canadian Arctic. Through a critical interdisciplinary lens, the course looks at a broad set of issues including discovery and history, the environment and climate change, economic and resource development, sovereignty and security, social conditions, governance, and First Nations, Inuit, and Metis perspectives.

Prerequisite: At least 4.0 FCE in Faculty of Arts & Science/1.0 FCE in Canadian Studies

Exclusion: CDN406H1 (Topics in Canadian Studies III: Canadian Arctic Policy Development and Inuit Recognition)

Recommended Preparation: CDN267H1, CDN268H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**CDN367H1 Canadian Pluralism (formerly UNI367H1) [24S]**

Students will examine the complexities of social and cultural interaction in the context of changing Canadian demographics. This course compares and contrasts policies regarding indigenous rights, migration, multiculturalism, and citizenship with contemporary cultural narratives in literature, painting and film.

Prerequisite: CDN267H1/CDN268H1

Exclusion: UNI320Y1, UNI367H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**CDN368H1 Canada's Borders (formerly UNI368H1) [24S]**

The Canadian border is being reshaped by the increasing transnational movement of people, goods and ideas. Students will examine border issues relating to mobility, trade, and security from a wide range of interdisciplinary perspectives, from public policy to contemporary media, such as TV, films, and novels.

Prerequisite: CDN267H1/CDN268H1

Exclusion: UNI320Y1, UNI368H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**CDN380H1 Socio-Cultural Perspective of the Canadian Jewish Community (formerly UNI380H1) [24L]**

This course examines the relationship between prominent Canadians who happen to be Jews and those whose works are founded in Jewish identity; the diversity of the community on the basis of religion, language, class, ideology, etc.; contributions to the arts and scholarship; and the role and contribution of Jewish women.

Exclusion: UNI380H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Creative and Cultural Representations (1)

**CDN390H1 Chinese Canadian Studies (formerly UNI390H1) [24S]**

This course will examine socio-cultural, political and economic aspects of Chinese communities in Canada. It explores how the study of Chinese Canadians challenges and augments our understanding of issues such as immigration and diaspora, multiculturalism, and race and ethnicity.

Prerequisite: CDN230H1/CDN267H1/CDN268H1/CDN307H1 or by permission of instructor

Exclusion: UNI390H1

Recommended Preparation: CDN230H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **CDN395H1 Independent Study in Asian Canadian Studies (formerly UNI395H1) [TBA]**

An opportunity to write an independent research paper in Asian Canadian Studies under direction of a faculty member. Students wishing to take this course must have their essay proposal and supervisor approved by the Canadian Studies program director. The application for enrolment should be made in the term preceding study. Not eligible for CR/NCR option.

Prerequisite: CDN267H1/CDN268H1

Exclusion: UNI395H1

Distribution Requirement Status: None

Breadth Requirement: None

## **CDN405H1 The University in Canada (formerly UNI405H1) [24S]**

This seminar course will address the role of universities in Canadian society and in the lives of Canadians. Students will explore both contemporary issues in Canadian higher education and consider the historical contexts from which they emerged.

Prerequisite: CDN367H1/CDN368H1

Exclusion: UNI405H1

Recommended Preparation: CDN267H1, CDN268H1, CDN367H1, CDN368H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CDN406H1 Topics in Canadian Studies III [24S]**

An in-depth study of selected questions in contemporary Canadian culture and society. Content will vary from year to year. Specific course information will be available on the Canadian Studies website at [www.utoronto.ca/canadianstudies](http://www.utoronto.ca/canadianstudies).

Prerequisite: At least 4.0 FCE in Faculty of Arts & Science/1.0 FCE in Canadian Studies

Recommended Preparation: CDN267H1, CDN268H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **CDN420Y1 Senior Essay (formerly UNI420Y1) [48S]**

Students select an appropriate research topic and, in consultation with the Program Director, make arrangements with a suitable supervisor. Preferably, research projects must be approved by the supervisor and by the Director of the Canadian Studies Program by April of the preceding academic year. Students meet periodically during the year in seminar to participate in peer evaluations of: statement of research, literature review, methods of analysis, and to share reports of progress in research. Not eligible for CR/NCR option.

Prerequisite: Normally open only to Majors and Specialists in the Canadian Studies program or permission of Director.

Exclusion: UNI420Y1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

## **CDN425H1 Independent Research in Canadian Studies (formerly UNI425H1) [TBA]**

An opportunity to write a substantial research paper in Canadian Studies that integrates research methodologies and conceptual frameworks developed over the student's course of study. Students must have their topic and supervisor approved by the Canadian Studies program director. Not eligible for CR/NCR option.

Prerequisite: CDN367H1, CDN368H1 or permission of Director

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

## **CDN430Y1 Senior Seminar: Special Topics in Canadian Studies (formerly UNI430Y1) [48S]**

An upper level seminar. Not eligible for CR/NCR option.

Prerequisite: CDN367H1 (formerly UNI367H1), CDN368H1 (formerly UNI368H1) or permission of the Director of the Canadian Studies program

Exclusion: UNI430Y1

Distribution Requirement Status: None

Breadth Requirement: None

## **CDN435Y1 Active Citizenship in a Canadian Context (formerly UNI435Y1) [48S]**

This course draws from theoretical works to critically examine the experiences of citizenship of various communities in Canada. A service learning component is incorporated so that students can themselves engage in active citizenship. The course develops extra-curricular expertise that can contribute to a student's professional CV.

Prerequisite: Completion of 10 FCEs, and application required. See <http://www.utoronto.ca/courses-offered-canadian-studies-program> for details.

Exclusion: UNI435Y1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Creative and Cultural Representations (1) +

Society and its Institutions (3)

## **JUG320H1 The Canadian Wilderness [24L]**

The idea of wilderness permeates narratives of Canadian national identity, while policy-makers seek to manage and contain natural areas. This course compares and contrasts historical and contemporary wilderness narratives in literature, painting and film with policies in areas such as conservation, urban planning, land claims and tourism.

Recommended Preparation: 8.0 FCE's

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **JSU325H1 Queerly Canadian (formerly UNI325H1) [36L]**

This course focuses on Canadian literary and artistic productions that challenge prevailing notions of nationality and sexuality, exploring not only how artists struggle with that ongoing Canadian thematic of being and belonging, but also celebrate pleasure and desire as a way of imagining and articulating an alternative national politics.

Prerequisite: SDS255H1/SDS256H1/CDN2671 (formerly UNI267H1),

CDN268H1 (formerly UNI268H1) or permission of the instructor

Exclusion: SDS375H1 Special Topics: Queerly Canadian, UNI325H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **Cognitive Science Courses**

### **COG250Y1 Introduction to Cognitive Science (formerly JUP250Y1, UNI250Y1) [78L]**

An introduction to the problems, theories and research [strategies central to the interdisciplinary field focusing on the nature and organization of the human mind and other cognitive systems. Interrelations among the philosophical, psychological, linguistic and computer science aspects of the field are emphasized.

Exclusion: JUP250Y1, UNI250Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**COG341H1 Issues on Attention, Perception and Consciousness [36L]**

An examination of core topics in cognitive science building on introductions in COG250Y. Typical topics include: perception and attention; concepts; imagery; consciousness.

Prerequisite: COG250Y1 and one of PSY270H1/PHL342H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**COG342H1 Issues on Concepts, Theories of Mind, Cognitive Evolution [36L]**

An examination of core topics in cognitive science building on introductions in COG250Y. Typical topics include: concepts; theories of mind; cognitive evolution.

Prerequisite: COG250Y1 and one of PSY270H1/PHL342H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**COG401H1 Seminar in Cognitive Science [36S]**

Advanced treatment of cognitive science topics.

Prerequisite: 5.0 credits in courses listed in the cognitive science major.

Exclusion: COG402H1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**COG402H1 Seminar in Cognitive Science [36S]**

Advanced topics in cognitive science.

Prerequisite: 5.0 credits in courses listed in the cognitive science major.

Exclusion: COG401H1

Distribution Requirement Status: Social Science or Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**COG498H1 Independent Study [TBA]**

Advanced Independent Study.

Distribution Requirement Status: Humanities or Social Science

**COG499H1 Individual Study in Cognitive Science [TBA]**

Individual studies. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

**Health Studies Courses**

Students enrolled in the Health Studies program are given the first opportunity to enrol in these courses.

Students enrolled in the Health Studies program are given the first opportunity to enrol in these courses.

**HST209H1 Introduction to Health: Determinants of Health & Health Care (formerly UNI209H1) [24L]**

A multidisciplinary approach to understanding perspectives in health, health equity, and primary health care. Themes include critical discussion of the measurements of health outcomes and the socioeconomic and political factors that affect health, including neglected and marginalized populations in Canada and globally.

Exclusion: UNI209H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**HST211H1 Health Policy in Canada (formerly UNI211H1) [24L]**

Introduces students to health policy in Canada, with a particular focus on the social determinants of health, and on how to improve health through policy advocacy. Examines the policy making process in the Canadian context, and the development of health policy in Canada. Explores current debates about health issues

Exclusion: UNI211H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**HST250H1 Introduction to Research Methods in Health Studies (formerly UNI250H1) [36L]**

Offers students in Health Studies a basic understanding of research design and data collection on health topics. Also assesses the usefulness of research and data collection in the formation of health policy.

Exclusion: UNI250H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**HST307H1 Special Topics in Health Studies II [24L]**

The specific content of this course will vary from one year to another, depending on the availability of particular health researchers and scholars. Specific course information will be available on the Health Studies website at [www.uc.utoronto.ca/healthstudies/](http://www.uc.utoronto.ca/healthstudies/).

Distribution Requirement Status: Social Science

**HST308H1 Aging and Health (formerly UNI308H1) [24L]**

Provides an understanding of the interface between health and aging, and how to maintain wellness in a rapidly aging population. Examines theories of aging, the meaning of health in old age, myths about the health of Canada's older people, and emerging national and international responses to aging populations.

Prerequisite: HST209H1, HST211H1

Exclusion: UNI308H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**HST309H1 Special Topics in Health Studies (formerly UNI309H1) [24L]**

The specific content of this course will vary from one year to another, depending on the availability of particular health researchers and scholars. Specific course information will be available on the Health Studies website at [www.uc.utoronto.ca/healthstudies/](http://www.uc.utoronto.ca/healthstudies/).

Distribution Requirement Status: Social Science

Breadth Requirement: None

**HST310H1 Critical Health Policy (formerly UNI310H1) [24L]**

A critical, in-depth exploration of contemporary health and social issues. Political, social and economic forces at play in Canadian society are examined in relation to specific health issues and policies, in order to understand general societal and system dynamics of evolution and change, and to identify implications for reform efforts.

Prerequisite: HST209H1, HST211H1

Exclusion: UNI310H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**HST330H1 Population Health (formerly UNI330H1) [24S]**

Extends students' understanding of population-based strategies of health promotion in Canada. Topics include: variations in health status as affected by population patterns, class, gender, ethnicity, employment, and family composition; major causes of morbidity and mortality; the concept of "community health", opportunities and constraints facing public policy.

Prerequisite: HST250H1, STA220H1

Exclusion: UNI330H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**HST350Y1 Health Research & Practice (formerly UNI350Y1) [48S]**

For students enrolled in the Health Studies Specialist and Major programs. Students engage in activities that will prepare them for independent research and practicum projects. Includes, but not limited to, sessions on topic selection and program development, finding a supervisor, ethics and professionalism, formulating a grant proposal.

Prerequisite: HST250H1

Exclusion: UNI350Y1

Distribution Requirement Status: Social Science

Breadth Requirement: None

**HST373H1 Epidemiology (formerly UNI373H1) [24S]**

Introduces students to the principles and methods of epidemiology. Emphasis on descriptive methods and study design. Computational techniques, measurement problems, and issues that surround the drawing of inferences from area-level or other aggregate data will be discussed.

Prerequisite: STA220H1/GGR270H1

Exclusion: HMB342H1, UNI373H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**HST400Y1 Health Studies Practicum [172P/24S]**

Individual field placement with a health-related institution or organization, in which the student applies theory and skills to specific projects and/or tasks. Culminates in an oral and written report. Not eligible for CR/NCR option.

Prerequisite: HST350Y1, permission of the Director

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**HST407H1 Special Topics in Health Studies II [24L]**

The specific content of this course will vary from one year to another, depending on the availability of particular health researchers and scholars. Specific course information will be available on the Health Studies website at [www.uc.utoronto.ca/healthstudies/](http://www.uc.utoronto.ca/healthstudies/).

**HST409H1 Special Topics on Health Research (formerly UNI409H1) [24S]**

The specific content of this course will vary from one year to another, depending on the availability of particular health researchers and scholars. Specific course information will be available on the Health Studies website at [www.uc.utoronto.ca/healthstudies/](http://www.uc.utoronto.ca/healthstudies/).

Exclusion: UNI409H1

Distribution Requirement Status: Social Science

Breadth Requirement: None

**HST410H1 Case Studies in Health Policy (formerly HST408H1/UNI408H1) [36S]**

Analyses the formation and implementation of health policy through the use of case studies. Each case deals with a substantive health policy issue. Using case studies, students will learn to understand and analyze the processes by which public policies are formed, and perform comparisons of policy alternatives.

Prerequisite: HST211H1

Exclusion: UNI408H1, HST408H1

Recommended Preparation: HST310H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**HST411H1 Political Economy of Health (formerly UNI411H1) [24L]**

Examines the production and distribution of health and illness within and across populations. A political economy approach is used to better understand the fundamental origins of health inequalities, the political action that is required to tackle them, and the obstacles that hinder the possibilities for such action.

Prerequisite: HST209H1

Exclusion: UNI411H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**HST440H1 Health & Pharmaceuticals (formerly UNI440H1) [24L]**

A critical examination of drug development, including the role of health professionals and the pharmaceutical industry in researching, testing, marketing, licensing, and evaluating pharmaceutical drugs. Topics include the differing needs for drug development, evaluation and dispensing in lower income countries, and potential conflicts of interest in drug development.

Prerequisite: HST209H1/HMB303H1 or permission of instructor

Exclusion: UNI440H1, UNI330H1 (Health & Pharmaceuticals) taken prior to 2010-11

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**HST450Y1 Undergraduate Health Research Project (formerly UNI450Y1) [TBA]**

Students engage in a specific research project during their last two years within the program. Student will prepare an undergraduate thesis by the end of the course. Not eligible for CR/NCR option.

Prerequisite: HST250H1, STA220H1, HST350Y1

Exclusion: UNI450Y1

Distribution Requirement Status: Social Science

Breadth Requirement: None

**HST451Y1 Independent Research in Health Studies (formerly UNI451Y1) [TBA]**

This two-semester course designation will permit students to gain academic credit for health studies pursued independently under the supervision of a University of Toronto faculty member; or to participate in an ongoing health research project under the joint supervision of the projects Principal Investigator and the Director of the Health Studies Program. Not eligible for CR/NCR option.

Prerequisite: HST209H1, HST250H1

Exclusion: UNI451Y1

Recommended Preparation: HST350Y1

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **HST464H1 The Nature of International Health (formerly UNI464H1) [24L]**

Explores the historical, ideological, economic, political, and organizational factors that shape the theory and practice of international health (IH). Students will be encouraged to critically examine some of the central tensions embedded in this field.

Prerequisite: HST209H1/HMB303H1

Exclusion: UNI464H1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **HST480H1 Independent Research in Health Studies (formerly UNI480H1) [TBA]**

This one-semester course will permit students to gain academic credit for health studies pursued independently, or to participate in an ongoing health research project, under the supervision of a University of Toronto faculty member. Not eligible for CR/NCR option.

Prerequisite: HST209H1, HST250H1

Exclusion: UNI480H1

Recommended Preparation: HST350Y1

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **JSU237H1 Introduction to HIV/AIDS: Health, Sexuality and Gender (formerly UNI237H1) [24L]**

A critical examination of the HIV/AIDS global pandemic from a multidisciplinary perspective and with an emphasis on sexuality. The course examines the basic biology of HIV/AIDS and then covers social, historical, political, cultural, gender, and public health aspects of HIV/AIDS. Attention is given to the distinct features of vulnerable and marginalized populations, prevention, treatment, drug development, and access to medicines.

JSU237H1 is particularly intended for students in the Health Studies and/or Sexual Diversity Studies programs.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **PHS100H1 Grand Opportunities in Global Health [24L/24T]**

This course introduces students to basic public health-related concepts, significant aspects of the historical development of global health, and a selection of topics illustrating the broad and evolving nature of this field. In addition, it helps students explore the contributions that various disciplines/fields offer to global health.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **PHS300H1 HIV Prevention Research [24L]**

This course engages students in in-depth learning about HIV research. In addition to learning about methods and issues from a variety of research disciplines as applied to HIV, students will be expected, with guidance, to design a study relevant to the content of the course.

Recommended Preparation: STA220H1 or equivalent

Distribution Requirement Status: Social Science or Science

Breadth Requirement: Society and its Institutions (3)

## **Other University College Courses**

## **JUM202H1 Mathematics as an Interdisciplinary Pursuit [24L/12T]**

A study of the interaction of mathematics with other fields of inquiry: how mathematics influences, and is influenced by, the evolution of science and culture. Art, music, and literature, as well as the more traditionally related areas of the natural and social sciences may be considered.

(Offered every three years)

JUM202H1 is particularly suited as a Science Distribution Requirement course for Humanities and Social Science students.

Exclusion: JUM102H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **JUM203H1 Mathematics as a Recreation [24L/12T]**

A study of games, puzzles and problems focusing on the deeper principles they illustrate. Concentration is on problems arising out of number theory and geometry, with emphasis on the process of mathematical reasoning. Technical requirements are kept to a minimum. A foundation is provided for a continuing lay interest in mathematics.

(Offered every three years)

JUM203H1 is particularly suited as a Science Distribution Requirement course for Humanities and Social Science students.

Exclusion: JUM103H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **JUM204H1 Mathematics and Poetry [36L]**

An interdisciplinary exploration of creativity and imagination as they arise in the study of mathematics and poetry. (Offered every three years)

JUM204H1 is particularly suited as a Science Distribution Requirement course for Humanities and Social Science students.

Exclusion: MEJ204H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **JUM205H1 Mathematical Personalities [24L/12T]**

An in-depth study of the life, times and work of several mathematicians who have been particularly influential. Examples may include Newton, Euler, Gauss, Kowalewski, Hilbert, Hardy, Ramanujan, Gödel, Erdős, Coxeter, Grothendieck. (Offered every three years)

JUM205H1 is particularly suited as a Science Distribution Requirement course for Humanities and Social Science students.

Exclusion: JUM105H1

Distribution Requirement Status: Science

Breadth Requirement: The Physical and Mathematical Universes (5)

## **JUC299Y1 Research Opportunity Program**

Credit course for supervised participation in faculty research project.

Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **UNI299Y1 Research Opportunity Program**

Credit course for supervised participation in faculty research project.

Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **UNI393Y1 University College Independent Studies [TBA]**

An opportunity to design an independent research course of study at the 300 level not otherwise available within the Faculty. Normally, students will have a minimum cGPA of 3.0 and have completed 10 FCEs. Permission of a faculty supervisor and approval by the Vice-Principal are required. Those registered in a UC program or UC-registered students should submit a written proposal and application form to the Programs Office (UC173) for approval. Applications for Y and F courses are due by 30 June prior to the academic year; S courses to be submitted by 15 September; Summer proposals are due by 15 February. Not eligible for CR/NCR option.

Application form is available at the University College website at [www.uc.utoronto.ca/](http://www.uc.utoronto.ca/)

Prerequisite: Permission of University College Vice-Principal  
Distribution Requirement Status: None  
Breadth Requirement: None

Application form is available at the University College website at [www.uc.utoronto.ca/](http://www.uc.utoronto.ca/).

Prerequisite: Permission of University College Vice-Principal  
Distribution Requirement Status: None  
Breadth Requirement: None

## **UNI394H1 University College Independent Studies [TBA]**

An opportunity to design an independent research course of study at the 300 level not otherwise available within the Faculty. Normally, students will have a minimum cGPA of 3.0 and have completed 10 FCEs. Permission of a faculty supervisor and approval by the Vice-Principal are required. Those registered in a UC program or UC-registered students should submit a written proposal and application form to the Programs Office (UC173) for approval. Applications for Y and F courses are due by 30 June prior to the academic year; S courses to be submitted by 15 September; Summer proposals are due by 15 February. Not eligible for CR/NCR option.

Application form is available at the University College website at [www.uc.utoronto.ca/](http://www.uc.utoronto.ca/).

Prerequisite: Permission of University College Vice-Principal  
Distribution Requirement Status: None  
Breadth Requirement: None

## **UNI495Y1 University College Independent Studies [TBA]**

An opportunity to design an independent research course of study at the 400 level not otherwise available within the Faculty. Normally, students will have a minimum cGPA of 3.0 and have completed 15 FCEs. Permission of a faculty supervisor and approval by the Vice-Principal are required. Those registered in a UC program or UC-registered students should submit a written proposal and application form to the Programs Office (UC173) for approval. Applications for Y and F courses are due by 30 June prior to the academic year; S courses to be submitted by 15 September; Summer proposals are due by 15 February. Not eligible for CR/NCR option.

Application form is available at the University College website at [www.uc.utoronto.ca/](http://www.uc.utoronto.ca/).

Prerequisite: Permission of University College Vice-Principal  
Distribution Requirement Status: None  
Breadth Requirement: None

## **UNI496H1 University College Independent Studies [TBA]**

An opportunity to design an independent research course of study at the 400 level not otherwise available within the Faculty. Normally, students will have a minimum cGPA of 3.0 and have completed 15 FCEs. Permission of a faculty supervisor and approval by the Vice-Principal are required. Those registered in a UC program or UC-registered students should submit a written proposal and application form to the Programs Office (UC173) for approval. Applications for Y and F courses are due by 30 June prior to the academic year; S courses to be submitted by 15 September; Summer proposals are due by 15 February. Not eligible for CR/NCR option.



## Faculty

### Professors Emeriti

- A. Baines, MD, PhD (James and Anne Nethercott Professor)
- R.B. de Sousa, PhD, FRSC
- V. Falkenheim, PhD (David and Ann Wilson Professor in Public Policy and Society)

### Professors

- K.R. Bartlett, MA, PhD
- K. Bickmore, MA, PhD
- E. Cazdyn, PhD (Distinguished Professor)
- M. Chazan, M Phil, PhD
- R. Comay, PhD
- D.B. Cook, MA, PhD
- P. Corey, MA, PhD
- M. Danesi, MA, PhD, FRSC
- K. Eisenbichler, MA, PhD, Commend. OMRI, FRSC
- A. Esterhammer, PhD, FRSC
- W. Goetschel, MPhil, PhD
- P.W. Gooch, MA, PhD
- E.T. Jennings, MA, PhD
- I. Kalmar, MA, PhD (Hon. Newton W. Rowell Professor)
- E.M. Kavaler, MA, PhD
- N. Kremmentsov, MSc, PhD
- H. Murray, MA, PhD
- M. Nyquist, MA, PhD
- A. Quayson, PhD, FRSC
- S.J. Rupp, MA, MPhil, PhD
- A. Sakaki, MA, PhD
- L. Somigli, PhD

### Associate Professors

- B. Baigrie, PhD
- J. Berkovitz, MA, PhD
- M. Bourgeois, MTS, PhD
- R. Davidson, MA, PhD
- D. Galbraith, MA, PhD
- E.-L. Jagoe, MA, PhD
- S. Lee, MA, PhD
- K. McLeod, MA, PhD
- S. Moreau, PhD, JD
- A. Motsch, MA, PhD
- S. Munjic, MA, PhD
- J.W. Patrick, MA, PhD
- W. Robins, MPhil, PhD
- M. Scarci, PhD (Associate Professor, Teaching Stream)
- A. Urbancic, MA, PhD (Mary Rowell Jackman Professor)

### Assistant Professors

- S. Cook, EdD
- E. Istrate, PhD (Assistant Professor, Teaching Stream)
- A. Komaromi, MA, PhD
- I. Mihalache, MA, PhD
- M. Solovey, MA, MA, PhD

### Senior Lecturer

- A. Moritz, MA, PhD (Blake C. Goldring Professor of the Arts and Society)

### Lecturer

- J. Papayiannis, MA, PhD

### Visiting Professors and Special Lecturers

- J. Bemrose
- R. Brandeis, PhD
- J. Faflak, MA, PhD
- L. Geng, PhD
- C. Gibb, DPhil (June Callwood Professor in Social Justice)
- D. Gilmour
- A. Lawless, MA, PhD
- B. Meyer, MA, PhD
- B. Rae, PC, CC, OOnt, QC (Distinguished Professor)
- D. Wright, BSc, MBA (Kenneth and Patricia Taylor Distinguished Professor of Foreign Affairs)

## Introduction

Victoria College (Vic) is committed to providing students with a personal and inclusive university experience inside and outside the classroom. This is an environment where students and faculty are engaged in building a community that welcomes diversity, embraces creativity and is energized by challenge.

At Vic, we nurture a close-knit learning environment from the very beginning of your academic career. Whether it is through our Vic One program, Vic One Hundred or the 199 courses offered by the Faculty of Arts and Science, every first-year Victoria College student takes at least one small seminar course. You will experience here the academic advantages of being a student at one of Canada's leading research universities combined with the intimacy of a small liberal arts college.

### Vic One

Victoria College offers first-year Arts and Science students an opportunity for a unique educational experience that draws upon the College's history and identity. Eight streams with differing emphases are available in this foundation year program, known as Vic One. Each is named in honour of respected Canadian leaders with strong ties to Victoria College. The Margaret Chambers stream, named after a Victoria College graduate in mathematics who became an investor and philanthropist, is suited to students interested in commerce, management, economics, and policy. The Northrop Frye stream, named after the former Victoria College professor and distinguished literary critic, focuses on the humanities. The Paul W. Gooch stream, named after the former President of Victoria University who inspired the Vic One program, comprises studies in philosophy, ethics, religion, and diversity. The Norman Jewison stream, named after the former Victoria University Chancellor and celebrated film director, is oriented towards the creative arts and society. The Lester B. Pearson stream, named after the former Canadian Prime Minister, is concerned with the social sciences. The Egerton Ryerson stream, named after the first Principal of the College who was a pioneer in Canadian education, introduces issues in education and teaching. The Arthur Schawlow Stream, named after the Physics Nobel laureate, is geared towards the physical and mathematical sciences. The Augusta Stowe-Gullen stream, named after the first woman to graduate from a Canadian medical school, is of interest to students wishing to pursue studies in the life sciences. The eight streams feature lively seminars and dialogue, and are enriched by weekly plenary sessions with guest professors, visiting artists, writers, ambassadors and other public figures.

The Vic One streams comprise up to three FCEs of the five FCEs taken by most first-year students. Two required courses in each stream are seminar courses given by faculty of Victoria College. They have a limited

enrolment of 25 students in each class. The third co-requisite course is listed with each course description. Students who have questions about their Vic One co-requisite course must contact the Vic One Liaison Officer vic.one@utoronto.ca.

Vic One enrolment requires an application that is found on the Vic One website (www.vic.utoronto.ca). All first-year students in the Faculty of Arts and Science (St. George campus), regardless of college membership, are eligible for admission to Vic One. Admission decisions are based on extra-curricular activities, a short original essay and the student's entering grades.

PLEASE NOTE: Vic One students are NOT eligible to enrol in Vic One Hundred courses, 199 first-year seminars or any other One program.

## **Vic One Hundred: First Year Seminars**

Vic One Hundred is a Victoria College initiative that offers first-year Arts and Science students the opportunity to experience a small class environment. These limited enrolment courses facilitate close contact with distinguished teaching faculty and fellow students, while providing an excellent gateway to, and foundation for, subsequent studies.

PLEASE NOTE: Vic One Hundred seminar courses are NOT open to students enrolled in any One program (including Vic One) or 199Y first-year seminars.

Enrolment in a first-year seminar course (199s and Vic One Hundred) is limited to 1.0 FCE. Students may take a combination of Vic One Hundred and 199H seminars as long as enrolment does not exceed 1.0 FCE.

## **Combined Program (Victoria College and Ontario Institute for Studies in Education)**

Offers Year Three Education and Society minor students an opportunity for conditional early acceptance to the OISE Master of Teaching program. This minor is designed for students who are interested in teaching English, History, Social Science and/or Math. Students will take two half graduate courses in Year Four that will count towards their undergraduate degree and their graduate degree.

## **Creative Expression and Society Program**

(Minor) allows students to develop their proficiency in creative expression by taking part in one or more workshop courses in creative writing or another artistic medium, while studying the relationship of the creative arts to social issues. The reciprocal influence of creative artists on society, and of society and the marketplace on creative endeavours, is examined through courses that treat topics such as: the arts and public opinion; interpretation and reception; reviewing and marketing; censorship and criticism; ethics and accountability in fictional and non-fictional forms. This program fosters the exercise of creativity while making the relationship of creativity and social conditions a subject for reflection and dialogue.

## **Education and Society (Arts Program)**

(Minor) is for students interested in education to explore topics such as child and adolescent development, equity and diversity, communication and conflict resolution. Students will get hands-on experience in classrooms and are strongly encouraged to explore international placements. Students completing the minor will be well prepared for applying to consecutive education programs.

## **Literature and Critical Theory Program (Formerly Literary Studies)**

(Specialist, Major and Minor) will be attractive to students who wish to

read works drawn from a variety of languages and cultural contexts. The program combines close attention to literary texts with theoretical reflection on relations between literary and non-literary works (for example, philosophy, art, film, history). Contemporary debates in literary and cultural theory will play a key role.

Students may enrol in one of two streams, Comparative Literature (Specialist and Major) or Cultural Theory (Specialist and Major). Students may also enrol in the Minor program.

## **Material Culture Program**

(Minor) engages students in the study of material culture (tangible things, broadly defined); supports research projects that originate with studies of artefacts; and fosters trans-disciplinary and inter-institutional dialogues amongst students, scholars, stewards and purveyors of material culture –within the university and at a range of cultural agencies. Students will work with curators and other professionals to analyze the social and cultural relevance of objects as part of understanding a culture or society. The Minor is designed to complement programs in such disciplines as Asian Studies, Near and Middle Eastern Studies, Geography, History, Art, History of Science and Technology, Semiotics, Renaissance Studies and Anthropology.

## **Renaissance Studies Program**

(Specialist, Major and Minor) studies one of the critical periods in European and world history. The Renaissance witnessed changes in art and literature, in social and political development, and in technology and science that transformed our concept of the world. This interdisciplinary program is particularly attractive to students of history, politics, literature, fine art, history of science, music and theatre, because it assembles aspects of all these studies to focus on one seminal period in Western civilization.

## **Science and Society Program**

(Minor) is an interdisciplinary program that focuses on the different ways science and technology have shaped modern society and, in turn, how society shapes science and technology. Courses in this program address such topics as science and values, science-related policy and politics, ethical uses of technology, scientific revolutions and controversies, modeling and communication of scientific research, and knowledge transfer from research to commercial and societal applications.

## **Semiotics and Communication Studies Program**

(Minor) investigates the science of communication and sign systems, the ways people understand phenomena and organize them mentally, the ways in which they devise means for transmitting that understanding and for sharing it with others. It covers all non-verbal signalling and extends to domains whose communicative dimension is perceived only unconsciously or subliminally. Knowledge, meaning, intention and action are thus fundamental concepts in the semiotic investigation of phenomena.

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# Victoria College Programs

## **Creative Expression and Society**

The Minor in Creative Expression and Society allows students to develop creative and communicative proficiency by taking part in one or more workshop-style courses in fiction, non-fiction, or poetry writing and/or creative expression through aural and visual media. Students will also explore the reciprocal relationship of the creative arts and society by

studying social issues in the arts, the influence of writers and artists on society, and the impact of society and the marketplace on creative endeavours. Courses explore such topics as the arts and public opinion; reception and interpretation; marketing and reviewing; censorship and criticism; ethics and accountability. This program fosters the exercise of creativity while making the relationship of creative expression and social conditions a subject for reflection and dialogue.

### Creative Expression and Society Minor (Arts program)

4.0 FCE including at least 1.0 FCE at the 300+ level, with a maximum of 1 FCE at the 100 level. Up to 1.0 FCE may be chosen from approved courses offered by other departments (see list of Cognate Courses).

1. At least 1.0 FCE from Group A –Creative Expression: VIC273H1, VIC275H1, VIC279H1, VIC280H1, VIC350Y1, VIC370H1, VIC470H1, VIC479Y1, VIC480H1, IVP210H1. Students who achieve at least 77% in the Vic One course VIC191Y1 may count that course toward the Minor and use it to fulfil this requirement.
2. At least 1.0 FCE from Group B –Social Contexts and Interpretation: VIC209H1, VIC223Y1, VIC270H1, VIC271H1, VIC281H1, VIC320Y1, VIC352Y1, VIC371H1, VIC372H1. Students who achieve at least 77% in the Vic One course VIC190Y1 may count that course toward the Minor and use it to fulfil this requirement.
3. Up to 1.0 FCE from Cognate Courses: ABS300Y1, CIN201Y1, EAS349H1, ENG287H1, ENG389Y1, DRM428H1, FAH352H1, FAH377H1, INI311Y1, MUS211H1, SMC219Y1, SMC229H1

### Education and Society Minor (Arts Program)

The Vic-sponsored Education and Society Minor is open to all Arts and Science students. This program is for those who are interested in education, either as a skill that will prepare you for many occupations, or as a strong background for admission to a teacher education program, such as the Combined Degree Program with OISE (separate application required, see below) or another consecutive teacher education program.

#### Entry Requirement:

Interested students can apply every spring for September entry into the program.

This is a limited entry program. Meeting the minimum requirements does not guarantee admission to the program.

Applicants **MUST** have completed the following in order to apply:

- PSY100H1 with a minimum grade of 70
- obtain a grade of 73 or greater in at least 3 FCE
- Minimum of 4.0 Full Course Equivalents (FCE)

Please Note: The recommended preparation for admission to this program is the Vic One Egerton Ryerson stream in education.

#### Program Requirements

(4.0 FCE including at least 1.0 FCE at 300+ level)

1. PSY100H1
2. All of: JSV200H1, JSV201H1, JSV202H1
3. VIC360H1/VIC360Y1
4. VIC362H1
5. One FCE from: VIC361H0, VIC363H1, a course related to Education and Society at the 300+ level selected from the offerings in Sociology,

Anthropology or Geography (Arts).

## Combined Degree Programs (CDP) in Arts/Science and Education

The Combined Degree Program in Arts/Science and Education is designed for students interested in studying the intersections of teaching subjects and Education, coupled with professional teacher preparation. Students earn an Honours Bachelor's degree from the Faculty of Arts and Science (St. George) and an accredited professional Master of Teaching (MT) degree from the Ontario Institute for Studies in Education (OISE). The CDP permits the completion of both degrees in six years with 1.0 FCE that may be counted towards both the undergraduate and graduate degrees.

#### Program requirements:

1. Minor in Education and Society, Victoria College
2. Major in one of the following areas, corresponding to the first teaching subject:

- English
- History
- Mathematics
- Psychology
- Sociology

3. Minor in an area corresponding to the second teaching subject as determined by OISE. See [http://pepper.oise.utoronto.ca/~jhewitt/mtresources/intermediate\\_senior\\_teaching\\_subject\\_prerequisites\\_2016-17.pdf](http://pepper.oise.utoronto.ca/~jhewitt/mtresources/intermediate_senior_teaching_subject_prerequisites_2016-17.pdf)

#### Application Process

Applicants apply successively to the H.B.A./H.B.Sc. program, the MT program, and the CDP. See the department/college page for admission requirements in the relevant Major and Minor programs.

In the Spring term of Year 3 of the Bachelor program, students apply at OISE for conditional admission to the MT. To be considered for conditional admission to the Master of Teaching and the Combined Degree Program, students must meet the following admission requirements:

- Have completed or be on course to complete the Education and Society Minor Program (Victoria College)
- Be registered in the 3rd year of the H.B.Sc. or H.B.A. Degree Program, in one of the above listed major programs.
- Have completed at least half of the teaching subjects prerequisite courses (i.e. 3.0 FCEs in 1st teaching subject, and 1.5 FCE in 2nd teaching subject) by the end of third year.
- Have an average grade equivalent of at least B+, normally demonstrated by an average grade in the 2nd year.
- Provide at least two letters of reference.
- Meet other qualifications as specified by the MT program.

See: [http://www.oise.utoronto.ca/mt/How\\_To\\_Apply.html](http://www.oise.utoronto.ca/mt/How_To_Apply.html)

Once students have accepted a conditional offer of admission to the MT program, they will be eligible to take 1.0 graduate FCE at OISE in their fourth year, which will count towards both the undergraduate degree and the Master of Teaching degree.

If the student does not meet the above conditions, the offer of conditional admission to the Combined Degree Program will be rescinded. Students in this position could apply separately to the Master of Teaching outside

of the Combined Degree Program.

For students to be given full, unconditional admission to the MT program, they must:

- Maintain at least a B+ (3.3) average in their final year or over senior courses.
- Achieve a grade of at least B+ average in the 1.0 graduate FCE taken in Year 4
- Have completed required courses to meet the first and second teaching subjects.
- Successfully complete the requirements for the H.B.Sc./H.B.A. program.
- Have the undergraduate degree confirmed.

### Academic Path to Completion for the CDP

Year 1-4: H.B.Sc./H.B.A program and degree requirements

Year 4: 1.0 FCE in the MT graduate courses

Year 5-6: 9 FCEs of the MT program requirements

Enquiries: Vic.academics@utoronto.ca; 416-585-4441

### Literature and Critical Theory Program

The Literature and Critical Theory program (formerly Literary Studies) is based on a pair of ideas. The first is that many of the most important issues that engage our attention call for a multidisciplinary approach. The second is that the kind of critical analysis demanded by the study of literary texts offers powerful tools for investigating other cultural and social forms, both past and present. Central to the program is the comparative study of forms of representation –texts, media, institutions, and theories—in diverse cultures and historical periods. This requires thinking seriously about what it means to compare and what it means to translate.

The Literature and Critical Theory program will attract students who are interested in exploring and generating links between literature and historical, cultural, political, social, and psychological forces. The program trains students to think about how problems of the present are tied to those of the past, and to consider critically how we both represent this past and imagine possible futures. Students will be engaged in the practice of close, contextualized analyses of literary texts and other discursive forms, including artefacts, institutions and social practices, originating in different languages, geographical locations, and historical periods.

Literary production, like all forms of cultural production, invariably exceeds the boundaries of the nation, and increasingly so in today's globalized world. The boundaries between various cultural media are similarly porous, and the aesthetic values by which we identify, judge, and classify literary and cultural objects are historically shaped. For these reasons, students will be encouraged to study in more than one language and to work with a variety of media. Our courses explore literary and cultural movements across languages, geographical regions, epochs, media, and disciplines.

### Literature and Critical Theory Specialist in the Comparative Literature Stream (Arts program)

(12.5 FCE, including at least 3.0 FCE at 300-level and 1.0 FCE at 400-level)

1. First year in program: VIC202Y1
2. First or second year in program: VIC203Y1

Second or higher years in program:

3. 3.5 FCE from VIC204H1, VIC301H1, VIC302H1, VIC303H1, VIC304H1, VIC305H1, VIC306H1, VIC307H1, VIC308H1, VIC401H1/VIC401Y1, VIC403H1, VIC494H1/VIC494Y1.
4. 0.5 FCE in Breadth Requirement Category 5: The Physical and Mathematical Universes, or another half course approved by the program director, to fulfill the Quantitative Reasoning competency required in the program.
5. VIC402H1
6. 6.0 FCE in languages or literatures drawn from other departments. At least 4.0 of these involve reading texts in a language other than English, including at least 2.0 at the 300+ level. These courses must be pre-approved by the program coordinator to ensure they will be counted towards this program of study.

### Literature and Critical Theory Major in the Comparative Literature Stream (Arts Program)

(7.5 FCE, including at least 1.5 FCE at 300-level and 0.5 FCE at 400-level)

1. First year in program: VIC202Y1
2. First or second year in program: VIC203Y1

Second or higher years in program:

3. 2.5 FCE from VIC204H1, VIC301H1, VIC302H1, VIC303H1, VIC304H1, VIC305H1, VIC306H1, VIC307H1, VIC308H1, VIC401H1/VIC401Y1, VIC403H1, VIC494H1/VIC494Y1
4. 0.5 FCE in Breadth Requirement Category 5: The Physical and Mathematical Universes, or another half course approved by the program director, to fulfill the Quantitative Reasoning competency required in the program.
5. VIC402H1
6. 2.0 FCE in a language or literature drawn from other departments, where texts are read in a language other than English. At least 1.0 FCE must be at the 300+ level. These courses must be pre-approved by the program coordinator to ensure they will be counted towards this program of study.

### Literature and Critical Theory Specialist in the Cultural Theory Stream (Arts program)

(12.5 FCE, including at least 3.0 FCE at 300-level and 1.0 FCE at 400-level)

1. First year in program: VIC202Y1
2. First or second year in program: VIC203Y1

Second or higher years in program:

3. 3.5 FCE from VIC204H1, VIC301H1, VIC302H1, VIC303H1, VIC304H1, VIC305H1, VIC306H1, VIC307H1, VIC308H1, VIC401H1/VIC401Y1, VIC403H1, VIC494H1/VIC494Y1,
4. 0.5 FCE in Breadth Requirement Category 5: The Physical and Mathematical Universes, or another half course approved by the program director, to fulfill the Quantitative Reasoning competency required in the program.
5. VIC402H1
6. 4.0 FCE in ONE other discipline –African Studies, Anthropology, Caribbean Studies, Cinema Studies, Classics, Drama, East Asian Studies, Equity Studies, Fine Art, History, Music, Political Science, Philosophy, Psychology, Sociology, Women and Gender Studies, and other departments as approved by the program coordinator.
7. 2.0 FCE in a language other than English, including at least 1.0 at the

300+ level.

### Literature and Critical Theory Major in the Cultural Theory Stream (Arts Program)

(7.5 FCE, including at least 1.5 FCE at 300-level and 0.5 FCE at 400-level)

1. First year in program: VIC202Y1
2. First or second year in program: VIC203Y1

Second or higher years in program:

3. 2.5 FCE from VIC204H1, VIC301H1, VIC302H1, VIC303H1, VIC304H1, VIC305H1, VIC306H1, VIC307H1, VIC308H1, VIC401H1/VIC401Y1, VIC403H1, VIC494H1/VIC494Y1
4. 0.5 FCE in Breadth Requirement Category 5: The Physical and Mathematical Universes, or another half course approved by the program director, to fulfill the Quantitative Reasoning competency required in the program.
5. VIC402H1
6. 1.0 FCE in ONE other discipline – African Studies, Anthropology, Caribbean Studies, Cinema Studies, Classics, Drama, East Asian Studies, Equity Studies, Fine Art, History, Music, Political Science, Philosophy, Psychology, Sociology, Women and Gender Studies, and other departments as approved by the program coordinator.
7. 1.0 FCE in a language other than English at the 200+ level.

### Literature and Critical Theory Minor (Arts Program)

(4.0 FCE, including at least 1.0 FCE at 300+ level)

1. VIC202Y1
2. 3.0 FCE from: VIC203Y1, VIC204H1, VIC301H1, VIC302H1, VIC303H1, VIC304H1, VIC305H1, VIC306H1, VIC307H1, VIC308H1, VIC401H1/VIC401Y1, VIC402H1, VIC403H1, VIC494H1/VIC494Y1

### Material Culture Program

What does it mean to live in a “material world”? What might we learn from studying the things that surround us? In an increasingly consumer-oriented, globalized and digital age, how do objects express the longstanding beliefs and values of different societies? Material culture is the study of objects –clothing, household goods, machinery, built forms –that show signs of human influence. The program engages students in the study of material culture (tangible things, broadly defined); supports research projects which originate with studies of artefacts; and fosters trans-disciplinary and inter-institutional dialogues amongst students, scholars, stewards and purveyors of material culture –within the university and at a range of cultural agencies. We examine the meanings people invest in their things, across cultures and time periods, and consider processes of production and consumption, including moments of invention, exchange, use, re-use, divestment, disposal, and collection. Students will work with curators and other professionals to analyze the social and cultural relevance of objects as part of understanding of a culture or society. The Minor is designed to complement programs in such disciplines as Asian Studies, Near and Middle Eastern Studies, Geography, History, Art, History of Science and Technology, Semiotics, Renaissance Studies, and Anthropology.

### Material Culture Minor (Arts program)

(4.0 FCE including at least 1.0 FCE at the 300+ level)

1. VIC224Y1/VIC225Y1
2. 2.5 FCE from VIC224Y1/VIC225Y1 (if not used to fulfill requirement 1), VIC229H1, VIC229Y1, VIC326H1, VIC328H1, VIC329H1, VIC329Y1, or cognate courses, with at least 0.5 FCE at the 300+ level. No more than 1.0 FCE may be chosen from the list of cognate courses.
3. VIC444H1

Cognate courses:

ANT200Y1, ANT204H1, ANT311Y1, ANT314H1, ANT315H1, ANT317H1, ANT320H1, ANT322H1, ANT324H1, ANT346H1, ANT347Y1, ANT349H1, ANT372H1, ANT378H1, ANT457H1, ARH305H1, ARH309H1, ENG287H1, FAH101H1, FAH206H1, FAH207H1, FAH215H1, FAH216H1, FAH230H1, FAH231H1, FAH246H1, FAH260H1, FAH262H1, FAH270H1, FAH272H1, FAH303H1, FAH309H1, FAH318H1, FAH327H1, FAH328H1, FAH330H1, FAH331H1, FAH338H1, FAH341H1, FAH348H1, FAH364H1, FAH371H1, FAH372H1, FAH373H1, FAH374H1, FAH376H1, FAH381H1, FAH436H1, FAH463H1, FAH465H1, FAH480H1, FAH481H1, FAH483H1, FAH484H1, FAH485H1, FAH486H1, EAS406Y1, EAS251H1, EAS272H1, EAS297H1, EAS272H1, EAS297H1, EAS378H1, EAS411H1, EAS412H1, GGR107H1, GGR124H1, GGR216H1, JGI216H1, GGR220H1, GGR221H1, GGR240H1, GGR241H1, GGR246H1, GGR252H1, GGR254H1, GGR320H1, GGR329H1, GGR336H1, GGR339H1, GGR341H1, GGR342H1, GGR343H1, GGR352H1, GGR356H1, GGR360H1, GGR361H1, GGR363H1, HIS302H1, HIS305H1, HIS310H1, HIS315H1, HIS319H1, HIS347H1, HIS363H1, HIS374H1, HIS387H1, HIS463H1, HIS484H1, HPS201H1, HPS202H1, HPS201H1, HPS211H1, HPS307H1, HPS313H1, IVP210H1, MST200Y1, NMC260H1, NMC360H1, NMC362Y1, NMC363H1, NMC364H1, NMC365Y1, RLG305H1, RLG307H1, VIC348Y1. Students who achieve at least 77% in Vic One courses VIC183H1 or VIC184H1 may count one of these toward the Minor and use it to fulfil this requirement

### Renaissance Studies Program

The Renaissance Studies Program lets you study one of the most critical periods in European and world history. Changes in art and literature, in social and political development, and in technology and science transformed European concepts of the individual, society, and the world.

Many aspects of our modern world had their origin in this period: our emphasis on the study of human affairs; our irrepressible interest in the exploration of the universe, in science, and in medicine; the institutions of church and state as we know them today. The Renaissance is also a period of unparalleled European contacts with non-European civilizations –from the powerful Islamic world of the Near East and North Africa to the great pre-Columbian civilizations of the Americas, from the uncharted forests of equatorial Africa to the exotic lands of the Indian subcontinent and the Far East, nothing seemed too distant or too inaccessible for the European mind or merchant.

This interdisciplinary program is particularly attractive to students of history, politics, literature, fine art, history of science, music and theatre, because it assembles aspects of all these studies to focus on one seminal period in Western civilization.

## Renaissance Studies Specialist (Arts Program)

(10 FCE, including at least 3.0 FCE at 300-level and 1.0 FCE at 400-level):

- 3.0 FCE from: VIC240Y1, VIC241Y1, VIC341H1, VIC342H1, VIC343Y1, VIC344H1, VIC345H1, VIC346H1, VIC347H1, VIC348Y1, VIC349H1/VIC349Y1, VIC392H1/VIC392Y1, VIC449H1/VIC449Y1, VIC492H1/VIC492Y1
- 1.0 FCE in Literature from: ENG220Y1, ENG301H1, ENG302Y1, ENG303H1, ENG304Y1, ENG330H1, ENG331H1, ENG335H1, ENG336H1; FRE319H1, FRE320H1; ITA200H1, ITA249H1, ITA312H1, ITA325H1, ITA332H1, ITA356Y0, ITA357Y0, ITA370H1, ITA400H1, ITA420H1, ITA431H1; PRT351H1; SPA352H1, SPA368H1, SPA452H1, SPA454H1
- 1.0 FCE in History: HIS243H1, HIS301H1, HIS308H1, HIS309H1, HIS319H1, HIS357Y1, HIS362H1, HIS368H1, HIS403H1, HIS438H1, HIS443H1
- 1.0 FCE in Art from: FAH230H1, FAH330H1, FAH331H1, FAH333H1, FAH335H1, FAH337H1, FAH338H1, FAH340H1, FAH341H1, FAH344H1, FAH370H1, FAH371H1, FAH393Y0, FAH430H1, FAH432H1, FAH433H1, FAH434H1, FAH435H1, FAH436H1, FAH440H1, FAH470H1
- 1.0 FCE in a Research Course (a 299Y1, 399Y1, on a Renaissance Studies topic, or VIC392H1/VIC392Y1, VIC492H1/VIC492Y1)
- 2.0 FCE in a language relevant to Renaissance Studies –French, Italian, Spanish, Portuguese, Latin, German (only one may be at the introductory level).
- VIC440Y1

## Renaissance Studies Major (Arts Program)

(6 FCE, including at least 2.0 FCE at 300+ level)

- 2.0 FCE from: VIC240Y1, VIC241Y1, VIC341H1, VIC342H1, VIC343Y1, VIC344H1, VIC345H1, VIC346H1, VIC347H1, VIC348Y1, VIC349H1/VIC349Y1, VIC392H1/VIC392Y1, VIC449H1/VIC449Y1, VIC492H1/VIC492Y1
- 1.0 FCE in Literature from: ENG220Y1, ENG301H1, ENG302Y1, ENG303H1, ENG304Y1, ENG330H1, ENG331H1, ENG335H1, ENG336H1; FRE319H1, FRE320H1; ITA200H1, ITA249H1, ITA312H1, ITA325H1, ITA332H1, ITA356Y0, ITA357Y0, ITA370H1, ITA431H1, ITA400H1, ITA420H1; PRT351H1; SPA368H1, SPA352H1, SPA368H1, SPA452H1, SPA454H1
- 1.0 FCE in History: HIS243H1, HIS301H1, HIS308H1, HIS309H1, HIS319H1, HIS357Y1, HIS362H1, HIS368H1, HIS403H1, HIS438H1, HIS443H1
- 1.0 FCE in Art from: FAH230H1, FAH330H1, FAH331H1, FAH333H1, FAH335H1, FAH337H1, FAH338H1, FAH340H1, FAH341H1, FAH344H1, FAH370H1, FAH371H1, FAH393Y0, FAH430H1, FAH432H1, FAH433H1, FAH434H1, FAH435H1, FAH436H1, FAH440H1, FAH470H1
- VIC440Y1

## Renaissance Studies Minor (Arts Program)

(4 FCE, including at least 1.0 FCE at 300+ level)

- 2.0 FCE from: VIC240Y1, VIC241Y1, VIC341H1, VIC342H1, VIC343Y1, VIC344H1, VIC345H1, VIC346H1, VIC347H1, VIC348Y1, VIC349H1/VIC349Y1, VIC392H1/VIC392Y1, VIC440Y1, VIC449H1/VIC449Y1, VIC492H1/VIC492Y1

2. 2.0 FCE in Literature, History, or Art from:

Literature: ENG220Y1, ENG301H1, ENG302Y1, ENG303H1, ENG304Y1, ENG330H1, ENG331H1, ENG335H1, ENG336H1; FRE319H1, FRE320H1, FRE441H1; ITA200H1, ITA249H1, ITA312H1, ITA325H1, ITA332H1, ITA356Y0, ITA357Y0, ITA370H1, ITA400H1, ITA420H1; PRT351H1; SPA352H1, SPA368H1, SPA452H1, SPA454H1

History: HIS243H1, HIS301H1, HIS308H1, HIS309H1, HIS319H1, HIS368H1, HIS357Y1, HIS362H1, HIS403H1, HIS438H1, HIS443H1

Art: FAH230H1, FAH330H1, FAH331H1, FAH333H1, FAH335H1, FAH337H1, FAH338H1, FAH340H1, FAH341H1, FAH344H1, FAH370H1, FAH371H1, FAH393Y0, FAH430H1, FAH432H1, FAH433H1, FAH434H1, FAH435H1, FAH436H1, FAH440H1, FAH470H1

## Science and Society Program

The Science and Society program studies the complex, interdependent relationship between science, technology, and society. The influence of scientific research and its applications is evident in virtually all aspects of modern life, from our conception of societal obligation and familial relations, to our interaction with the commonplace materials and objects we use to sustain ourselves. However, scientific and technological development is in turn affected by and shaped by politics, public opinion, moral beliefs and cultural practices.

Courses in this program explore topics such as ethical uses of technology, scientific revolutions and controversies, science-related policy and politics, modeling and communication of scientific research, and knowledge transfer from research to commercial and societal applications.

## Science and Society Minor (Arts program)

(4.0 FCE, including at least 1.0 FCE at 300+ level)

- HPS200H1
- 1.0 FCE from: VIC206H1, VIC207H1, VIC274H1, VIC278H1, IMC200H1, IVP210H1. Students who achieve at least 77% in the Vic One course VIC170Y1 or VIC172Y1 may count that course toward the Minor and use it to fulfil this requirement.
- 1.0 FCE from: HPS202H1, HPS260H1, HPS307H1, HPS308H1, HPS324H1, HPS350H1
- An additional 0.5 FCE from program requirements 2. and 3. above.
- An additional 1.0 FCE from program requirements 2. and 3. above and/or from the approved list of cognate courses below:  
ANT358H1, ANT364H1, BIO220H1, EEB215H1, ENV200H1, ETH220H1, GGR223H1, GGR321H1, JGE321H1, PHL273H1, PHL281H1, PHL373H1, PHL381H1, PHL384H1, PSY328H1, WGS275H1

## Semiotics and Communication Studies Program

Semiotics is the science of communication and sign systems, in short, of the ways people understand phenomena and organize them mentally, and of the ways in which they devise means for transmitting that understanding and for sharing it with others. Although natural and artificial languages are therefore central to semiotics, its field covers all non-verbal signalling and extends to domains whose communicative dimension is perceived only unconsciously or subliminally. Knowledge, meaning, intention and action are thus fundamental concepts in the semiotic investigation of phenomena.

**Semiotics and Communication Studies Minor (Arts Program)**

NOTE: This is a limited enrolment program. Admission will be determined by a student's mark in ANT100Y1/LIN100Y1/PHL100Y1/SOC101Y1/(SOC102H1+SOC103H1)/one FCE in Vic One. A final mark of 73% will be required for admission. Achieving that mark does not necessarily guarantee admission to the program in any given year.

(4 FCE, including 1.0 FCE at the 300+ level)

1. 1.0 FCE from: ANT100Y1, LIN100Y1, PHL100Y1, SOC101Y1, (SOC102H1+SOC103H1), one FCE in Vic One.
2. 1.0 FCE from: VIC220Y1, VIC223Y1
3. 1.0 FCE from: VIC320Y1, VIC322H1, VIC323Y1, VIC324H1, VIC325H1
4. 1.0 FCE from Groups A-E.

**Group A: Anthropology**

ANT204H1, ANT253H1, ANT322H1, ANT329H1, ANT334H1, ANT351H1, ANT356H1, ANT366H1, ANT425H1, ANT426H1, ANT427H1, ANT450H1; JAL328H1, JAL355H1

**Group B: Linguistics**

LIN200H1, LIN229H1, LIN232H1, LIN333H1, LIN341H1, LIN456H1; JAL328H1; JLP315H1, JLP374H1

**Group C: Philosophy**

PHL200Y1, PHL201H1, PHL235H1, PHL240H1, PHL243H1, PHL244H1, PHL245H1, PHL285H1, PHL304H1, PHL307H1, PHL310H1, PHL311H1, PHL314H1, PHL315H1, PHL316H1, PHL317H1, PHL320H1, PHL321H1, PHL322H1, PHL325H1, PHL326H1, PHL340H1, PHL342H1, PHL346H1, PHL351H1, PHL385H1

**Group D: Psychology**

PSY210H1, PSY220H1, PSY260H1, PSY270H1, PSY280H1, PSY311H1, PSY312H1, PSY316H1, PSY320H1, PSY323H1, PSY362H1, PSY370H1, PSY371H1, PSY372H1, PSY421H1, PSY434H1; JLP315H1

**Group E: Other Related Area Courses**

CDN221H1, CIN201Y1, CIN270Y1, CIN301Y1, CIN310Y1, CIN330Y1, CIN332Y1, CIN314Y1; CLA203H1, CLA204H1, CLA219H1, CLA305H1, CLA388H1, CLA389H1; COG250Y1; DRM200Y1, DRM230Y1, DRM264H1; ENG382Y1, ENG384Y1; FAH231H1, FAH245H1, FAH246H1, FAH270H1, FAH272H1, FAH337H1, FAH346H1, FAH348H1, FAH372H1, FAH374H1; HIS316H1, HIS374H1, HIS375H1, HIS459H1, HIS460H1; HPS201H1, HPS202H1, HPS250H1, HPS324H1; INI301H1, INI305H1; JFV323H1, JUM203H1; MUS200H1, MUS211H1, MUS303H1; NEW240Y1, NEW302Y1, NEW303H1; RLG200H1, RLG210Y1, RLG211H1, RLG212H1, RLG227H1, RLG230H1, RLG232H1, RLG233H1, RLG249H1, RLG301H1, RLG304H1, RLG305H1, RLG315H1, RLG316H1, RLG327H1, RLG336H1, RLG337H1, SLA331H1, SLA442H1, SLA495H1, SLA496H1, SMC210H1, SMC219Y1, SMC387H1, SMC361H1, SMC397H1, SOC265H1, SOC365H1, SOC367H1, SOC381Y1, SOC388H1; VIC202Y1, VIC224Y1, VIC302H1, VIC305H1, VIC306H1, VIC307H1, VIC322H1, VIC343Y1, VIC345H1; VIS201H1, VIS202H1, VIS203H1, VIS204H1, VIS205H1, VIS206H1, VIS207H1, VIS208H1, VIS209H1, VIS212H1, VIS213H1, VIS307H1, VIS312H1, VIS313H1; WGS271Y1, WGS372H1

- Vic One
- Vic One Hundred
- Creative Expression and Society
- Education and Society
- Literature and Critical Theory
- Material Culture
- Renaissance Studies
- Science and Society
- Semiotics and Communication Studies
- Vic Capstone
- Other Vic Seminars

**Vic One**

Admission to the Vic One Program is open to first-year students and by application only. Applications are accepted in the spring prior to the commencement of the academic year; no exceptions will be made.

Each Vic One stream comprises up to 3 FCE of the five FCE taken by most first-year students. Two required courses in each stream are seminar courses with a limited enrolment of 25 students in each class; none of these is eligible for the CR/NCR option. The third co-requisite course is listed with the stream description. Students who wish to discuss other options for their Vic One co-requisite course must contact the Vic One Liaison Officer at vic.one@utoronto.ca.

The following courses are available to students already admitted to Vic One:

**Ryerson Stream**

**VIC150Y1 School and Society [48S]**

This course will be about the social and historical role of the school. The course will examine schools and learning as social, political, intellectual, and economic phenomena. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC151Y1 and PSY100H1

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**VIC151Y1 Theories and Practices of Teaching [48S]**

This course focuses on connecting theories and practice of teaching with a view to having students develop their personal understanding of teaching. Students will be involved in a practicum. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC150Y1 and PSY100H1

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**Frye Stream**

**VIC162H1 Cultural Forms and Their Meanings [24S]**

A study of culture with a view to developing basic concepts with examples drawn from the visual arts, music, film, literature, architecture, and/or local urban artefacts. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC163H1, VIC164H1, VIC165H1, and 1.0 FCE in any 100-level course in ENG or FAH or PHL

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC

One, Woodsworth One, 199 seminars, Vic One Hundred courses.  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **VIC163H1 Cultural Forms and Their Meanings: People and Ideas [24S]**

A study of culture with a view to developing basic concepts with examples drawn from the visual arts, music, film, architecture, and/or local urban artefacts. We will emphasize how contemporary thought has affected the practice of everyday life. Not eligible for CR/NCR option.  
Prerequisite: Admission to Vic One  
Corequisite: VIC162H1, VIC164H1, VIC165H1, and 1.0 FCE in any 100-level course in ENG or FAH or PHL  
Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **VIC164H1 Ideas and Their Consequences: Literary and Artistic Realms of the Imagination [24S]**

A study of the ideas and concerns of creative thinkers and their impact upon cultures. The course includes literary, scientific and/or religious intellectuals from the major traditions. Attention to modes of reasoning, cultural definition and expression. Emphasis on philosophical and artistic concepts. Not eligible for CR/NCR option.  
Prerequisite: Admission to Vic One  
Corequisite: VIC162H1, VIC163H1, VIC165H1, and 1.0 FCE in any 100-level course in ENG or FAH or PHL  
Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.  
Distribution Requirement Status: Humanities  
Breadth Requirement: Society and its Institutions (3)

## **VIC165H1 Ideas and Their Consequences: Isolation and Communion in Modern Culture [24S]**

A study of art, with a focus on poetry, as an essential mode of experience and knowledge, in the context of contemporary and modern society. Along with literary artists, the course includes writers on history and sociology and presents the interplay between artistic vision and socio-political situations. Not eligible for CR/NCR option.  
Prerequisite: Admission to Vic One  
Corequisite: VIC162H1, VIC163H1, VIC164H1, and 1.0 FCE in any 100-level course in ENG or FAH or PHL  
Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **Gooch Stream**

### **VIC166H1 Common Vices and Neglected Virtues: Intro to Ethics of Character [24S]**

Vice is popular: a prestigious university press has brought out a series of seven books on the Seven Deadly Sins. This course examines such questions as the following. Are greed, lust and gluttony just bad names for necessary and otherwise acceptable instincts? What is the place, in a good human life, of such qualities as honesty, trust, civility and the like? Are vices and virtues culturally determined or a matter of individual preference? Can character be taught, or is it rather a matter of genes and luck? Not eligible for CR/NCR option.  
Prerequisite: Admission to Vic One  
Corequisite: VIC167H1, VIC168H1, VIC169H1, and 1.0 FCE in any 100-level course in ANT or PHL or RLG  
Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC

One, Woodsworth One, 199 seminars, Vic One Hundred courses.  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **VIC167H1 Ideas and Fine Thoughts [24S]**

This course examines how political ideas are formed and developed through literature, art, plays, essays and philosophical works in the twentieth century. Not eligible for CR/NCR option.  
Prerequisite: Admission to Vic One  
Corequisite: VIC166H1, VIC168H1, VIC169H1, and 1.0 FCE in any 100-level course in ANT or PHL or RLG  
Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.  
Distribution Requirement Status: Humanities or Social Science  
Breadth Requirement: Creative and Cultural Representations (1)

## **VIC168H1 Identity and Equality in the Public Sphere [24S]**

This course explores current legal and philosophical debates around equality, discrimination, and the shaping of individual and group identities. It addresses the way values, affiliation, and identities have an impact on the public sphere of law and policy-making –and the ways in which law and policy, in turn, shape our conceptions (and misconceptions) of people's identities. Not eligible for CR/NCR option.  
Prerequisite: Admission to Vic One  
Corequisite: VIC166H1, VIC167H1, VIC169H1, and 1.0 FCE in any 100-level course in ANT or PHL or RLG  
Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

## **VIC169H1 Ethical Living in a Pluralistic World [24S]**

This course examines different values, beliefs, and traditions relating to the natural and social world, ethical living, and the common good. Not eligible for CR/NCR option.  
Prerequisite: Admission to Vic One  
Corequisite: VIC166H1, VIC167H1, VIC168H1, and 1.0 FCE in any 100-level course in ANT or PHL or RLG  
Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.  
Distribution Requirement Status: Social Science  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **Stowe-Gullen Stream**

### **VIC170Y1 Introduction to Probability, Persuasion and the Rhetoric of Science [96S]**

How rhetoric and statistical analysis are used to communicate scientific observations and theories to different audiences will be examined in lectures and seminars. Uncertainty, belief, evidence, risk assessment, random error and bias will be discussed using examples drawn from literature, the arts and the physical, life and social sciences. Students will prepare a research grant application on a scientific topic of their own choice. Not eligible for CR/NCR option.  
Prerequisite: Admission to Vic One  
Corequisite: VIC171Y1 and 1.0 FCE selected from first-year course offerings in the sciences (0.5 FCE must be a BIO course)  
Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.  
Distribution Requirement Status: Humanities or Social Science  
Breadth Requirement: Thought, Belief and Behaviour (2)



**VIC171Y1 Methodology, Theory and Practice in the Natural Sciences [48S]**

An examination of scientific theories and their logic in life and physical sciences. Experimental design, novel device production, data analysis and modeling will be discussed using examples drawn from primary source material in the natural sciences. Students will prepare a research paper on a topic designed in consultation with the instructor. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC170Y1 and 1.0 FCE selected from first-year course offerings in the sciences (0.5 FCE must be a BIO course)

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**Schawlow Stream****VIC172Y1 Physical Sciences Today [48S]**

How is science performed and what enables scientific progress? What are our responsibilities as scientists? We base the discussion mostly on the development of microscopy tools. We look at how scientific discoveries affect and were affected by society. This course explores the complementary skills and knowledge needed by modern scientists. Not eligible for CR/NCR option.

Prerequisite: admission to Vic One

Corequisite: VIC173Y1 and 1.0 FCE selected from first-year course offerings in the sciences (0.5 FCE must be a CHM, MAT or PHY course)

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirement Status: Social Science or Science

Breadth Requirement: Society and its Institutions (3)

**VIC173Y1 Philosophy of Science for Physical Scientists [48S]**

This course introduces students to some of the issues in the philosophy of science, in general, and in the philosophy of physics, in particular. Topics include the scientific method and its controversies, the meaning of time and its properties, realism versus competing approaches, thought experiments, and quantum mechanics. Not eligible for CR/NCR option.

Prerequisite: admission to Vic One

Corequisite: VIC172Y1 and 1.0 FCE selected from first-year course offerings in the sciences (0.5 FCE must be a CHM, MAT or PHY course)

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirement Status: Social Science or Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**Pearson Stream****VIC181H1 Events in the Public Sphere: World Affairs [24S]**

This course will review issues in contemporary world affairs, from the fall of the Berlin Wall to the present day. The course will examine the politics and practice of foreign policy decision making. Issues to be covered include the collapse of the Soviet Union, intervention in humanitarian crises, and the conflicts in Afghanistan and Iraq. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC183H1, VIC184H1, VIC185H1, and 1.0 FCE in any 100-level course in ECO, HIS or POL

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**VIC183H1 Individuals and the Public Sphere: Shaping Memory [24S]**

This course explores how public service and citizenship are developed. Topics may include the role of law and government, civil liberties, rights and responsibilities, and the role of protest. Emphasis on individuals and movements that have shaped modern memory. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC181H1, VIC184H1, VIC185H1, and 1.0 FCE in any 100-level course in ECO, HIS or POL

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirement Status: Social Science

Breadth Requirement: Creative and Cultural Representations (1)

**VIC184H1 Individuals and the Public Sphere: History, Historiography and Making Cultural Memory [24S]**

A seminar course that examines the contribution of an individual or individuals to the public sphere. The course will explore how public service and citizenship are developed in social, philosophical, and cultural contexts. We will examine our evolving role in developing collective, cultural and counter memory. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC181H1, VIC183H1, VIC185H1, and 1.0 FCE in any 100-level course in ECO, HIS or POL

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**VIC185H1 Events in the Public Sphere: Social Justice [24S]**

This course uses events to discuss the nature of society including major revolutions, economic crises, and the impact of significant artistic, cultural and technological developments. Emphasis on our responsibilities towards social justice. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC181H1, VIC183H1, VIC184H1, and 1.0 FCE in any 100-level course in ECO, HIS or POL

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**Chambers Stream****VIC186Y1 The Art and Literature of Leadership [48S]**

What is a leader? Are leaders born or are they made, and if they are made is there a craft to being able to lead others? Through works of art, film, and literature, this course examines the various types of men and women who become leaders from natural-born talents to statesmen and state-crafters and individual entrepreneurs with the purpose of defining those qualities that make for the leaders of tomorrow. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC187H1, VIC188H1, and ECO100Y1

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **VIC187H1 Policy Analysis [24S]**

This course introduces policy applications of measurement tools and economic concepts by analyzing current issues in the news, such as public spending and debt, health care, social security, energy, climate change, innovation, and education. Concepts from the philosophy and history of economic thought will be used to address such questions as: What is the nature of economic explanations? Do they tell us the truth about reality? Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: Corequisite: VIC186Y1, VIC188H1, and ECO100Y1

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred.

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **VIC188H1 Corporate Citizenship, Sustainability, and Ethics [24S]**

Drawing together philosophical background readings with contemporary applications, this course addresses issues of corporate social responsibility, business ethics, human rights, diversity, and equity, and considers how these topics intersect with a wide range of global practices. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: Corequisite: VIC186Y1, VIC187H1, and ECO100Y1

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **Jewison Stream**

### **VIC190Y1 The Arts and Society [48S]**

The artist, filmmaker, poet or dramatist has changed society and how we imagine our future. The course explores a number of paradigm cases of how the arts have interacted with social problems. Both historical and current examples of the role of the imaginative arts will be explored. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC191Y1 and 1.0 FCE in any 100-level course in ARC or CIN or DRM or ENG or MUS or VIS

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

### **VIC191Y1 Artistic Creation and Public Issues [72S]**

This course addresses social issues through the exploration of creative activity and the imaginative arts. Topics will be discussed from historical, ethical and philosophical perspectives, and might be considered either in a group or individually. Not eligible for CR/NCR option.

Prerequisite: Admission to Vic One

Corequisite: VIC190Y1 and 1.0 FCE in any 100-level course in ARC or CIN or DRM or ENG or MUS or VIS

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Woodsworth One, 199 seminars, Vic One Hundred courses.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **Weekly Vic One Plenary sessions**

PLEASE NOTE: Weekly Vic One Plenary sessions on Wednesday 4-6pm will be added to students' schedules as a tutorial section associated with the Vic One courses.

## **Vic One Hundred: First Year Seminars**

Vic One Hundred seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-five students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study.

Please see the list of Vic One Hundred seminars below. None of these courses is eligible for CR/NCR option.

Consult [vic.academics@utoronto.ca](mailto:vic.academics@utoronto.ca) for more information

### **VIC101H1 Conflict Theory and Practice [24S]**

This course is a general orientation to conflict theory, and develops a basic understanding of essential conflict resolution principles that will complement the study of conflict theory. The course will examine the differences between conflicts and disputes, the functions and desirability of conflict, and the conditions that facilitate conversion of conflicts from destructive to constructive. Not eligible for CR/NCR option.

Exclusion: VIC101Y1; Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **VIC102H1 Ethics and Choices in Times of Crisis [24S]**

This course examines a specific event, or events, in relation to the public sphere. The course will use events or an event as an entry point to discuss the nature of society including topics such as major revolutions, economic crises, the impact of the appearance of significant artistic or cultural works, and the impact of technological changes. Not eligible for CR/NCR option.

Exclusion: VIC102Y1; Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

### **VIC103Y1 Ideas and Fine Thoughts [48S]**

This course examines how political ideas are formed and developed through literature, art, plays, essays and philosophical works in the twentieth century. Not eligible for CR/NCR option.

Exclusion: VIC103H1; Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; 199 seminars or other Vic One Hundred seminars.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Creative and Cultural Representations (1)

### **VIC105H1 Odysseys: The Search for Meaning [24S]**

Metaphors and motivations of journeying have long intrigued human beings as they have attempted to understand the meaning of their existence: the setting out, the seeking for a desired object, the pilgrimage of religious observance, and the longing to return home. Through texts, art, music and film, this course will explore some of the shaping journey-myths of our culture from classical, Hebrew, medieval and modern sources. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**VIC106H1 Psychology and Society [24S]**

This course explores central developments and ongoing controversies in the scientific study of the human mind, brain and behaviour. It examines topics such as: psychoanalysis, behaviourism, humanistic psychology, evolutionary psychology, intelligence testing, and feminist perspectives. Goals include understanding the historical evolution and social relevance of scientific psychology. Not eligible for CR/NCR option.

Exclusion: VIC206H1, Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**VIC107H1 Evolution, Genetics, and Behaviour [24S]**

In this course we examine major episodes in the history of evolution and genetics in the twentieth century. Topics include Darwinian evolution, sociobiology and evolutionary psychology, eugenics, and genetic screening and therapy. We will examine different views about the control of evolution and genetic manipulation in their socio-cultural-economic context and discuss the ethical and social implications of those views. Not eligible for CR/NCR option.

Exclusion: VIC207H1, Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**VIC108H1 Belonging, Imagination and National Identity [24S]**

This course will examine a number of questions related to the origins of national identities and the sustainability of nation-states. Topics covered will include: language, ethnicity, religion, politics, war, symbols, the arts, sport and public spectacle, and cuisine. Not eligible for CR/NCR option.

Exclusion: VIC108Y1; Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

**VIC109H1 Innovators and Their Ideas [24S]**

A study of the ideas and concerns of innovators who questioned traditional views and values. The course includes creative thinkers who challenged basic concepts on politics, literature, religion, and society. Not eligible for CR/NCR option.

Exclusion: VIC109Y1; Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**VIC110H1 Critical Perspectives on Society [24S]**

By means of short texts, film or art works this course explores such themes as the effect of technology on the political, the nature of democracy, the question of resistance through art and the role of violence in the social. Not eligible for CR/NCR option.

Exclusion: Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**VIC112Y1 Puzzles, Discovery and the Human Imagination [48S]**

There has never been a period of time, nor has there ever been a culture, without some kind of puzzle tradition. Are puzzles just playful artefacts, intended merely to entertain? Or are they mirrors of something much more fundamental in human life? The course will take a close look at what puzzles tell us about the human mind and human culture. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; 199 seminars or other Vic One Hundred seminars.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**VIC113H1 Encountering Distant Climes: The Literature of Travel and Exploration [24S]**

This course will study accounts of world travelers and explorers from the Middle Ages to the present, including representative examples drawn from the Age of Exploration, the Grand Tour, scientific and map-making expeditions, and the contemporary genre of travel writing. Particular attention will be given to the trans-cultural nature of travel, and the interactive aspects of the gulf between the observer and those observed. Students will analyze the diverse motivational factors behind excursions and expeditions, and apply a critique to written accounts in light of such factors as self-discovery, knowledge and imagination, Eurocentrism, orientalism, cultural relativism, colonialism/imperialism, race, gender, and eco-tourism. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**VIC114H1 Renaissance in Popular Culture [24S]**

This course explores the depiction of the Renaissance in a wide range of plays, films and novels. The focus is on the exchange between film, fiction, and 'fact', and on how the values and concerns of the present shape creative recreations of the past in popular culture. Not eligible for CR/NCR option.

Exclusion: VIC114Y1; Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**VIC115H1 Imagined Power: Literature and Film [24S]**

In this course we will study a number of literary and cinematic works that take up questions of power, duty, rights, responsibility, and freedom. Our texts will be drawn from a long history, and from many parts of the world. The sequence however will not be chronological. Not eligible for CR/NCR option.

Exclusion: VIC115Y1; Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Creative and Cultural Representations (1)

**VIC116H1 Politics of the Pen [24S]**

A study of how literature challenges prevailing political beliefs and social norms. We will situate our discussion in the broader context of human rights and freedoms. We will examine cases where literature has been censored and writers have been imprisoned or driven into exile. Part of this course involves a community service-learning component. We will consider how this literature contributes to debate and advocacy around issues of social justice. Not eligible for CR/NCR option.

Exclusion: Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **VIC117H1 Understanding the Performing Arts: Interpretation and Expression [24S]**

This course examines two key issues about the performing arts that concern both artists and theorists: the nature of interpretation and of expression. What might we mean when we say that a work, a piece of music or a dance for example expresses something? What is it to express? And what is the nature of interpretation? Are there any constraints or boundaries on interpretation? We will draw on both philosophers and non-philosophers to explore these sorts of questions. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **VIC118H1 The Rebel in History, Literature and Popular Culture [24S]**

This course will examine the phenomenon of individuals and communities who rebel against the general social norms upheld by the majority in societies throughout history. These societal conventions can include generally-accepted moral and religious tenets, as well as the formal legal or political powers employed by those with the levers of social control. The rebels' motives can range from the purely criminal, as with many notorious outlaws, to struggles for social justice, in the case of rebellious slaves or proponents of civil disobedience. Students will develop a theoretical framework which they can apply to the lives and motivations of a diverse representation of social rebels and outsiders, among them: pirates and mutineers, bandits and members of street/biker gangs, anarchists, disaffected intellectuals and religious leaders, punks and goths. Besides examining the sociological and philosophical aspects of rebellion, the course will consider the rebel as a prominent element in popular culture. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirement Status: Humanities

Breadth Requirement: Society and its Institutions (3)

## **VIC119H1 Myths and Legends in Modern Contexts [24S]**

This course provides an introduction to modern forms of ancient narratives, exploring the ways in which selected ancient literary sources and myths have been adapted to modern Canadian literature. Ancient narratives or 'old stories' are often reused, reinterpreted or reconstructed in modern narratives and given new relevance in a contemporary context. Students will encounter sources and contexts of ancient narratives. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **VIC134H1 Globalization [24S]**

This interdisciplinary course explores the contemporary character of globalization. The world is shrinking as money, goods, people, ideas, weapons, and information flow across national boundaries. Some commentators assert that a more tightly interconnected world can exacerbate financial disruptions, worsen the gap between rich and poor nations, undermine democracy, imperil national cultures, harm the environment, and give unconstrained freedom to predatory corporations. Others proclaim that globalization - understood as capitalism and free markets - fosters economic growth, encourages creative collaboration, inspires technological breakthroughs, and enhances human prospects for a better life, in rich and poor countries alike, in unprecedented ways. Our task is to evaluate the evidence and draw our own conclusions. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **VIC135H1 The Death of Meaning [24S]**

In *The Origin of Species* Darwin concluded there was no evidence to suggest that life was designed by a higher power. A corollary of this is that our lives lack any necessary purpose or meaning. Our readings will be directed to the question of what it means to lack 'Meaning'. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **VIC136H1 How to Study Everyday Life [24S]**

An introduction to the academic study of everyday life. A cross-disciplinary discussion class drawing on a wide variety of examples from ordinary life, fantasy, and culture. We situate the apparently innocuous within larger patterns of social relations and social change. Not eligible for CR/NCR option.

Exclusion: Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **VIC137H1 Science and Science Fiction [24S]**

Based on reading and discussion of science fiction and popular science in the context of social issues, this seminar course explores the fantastic visions of humanity's future inspired by scientific advances during the twentieth century. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred; HPS260H1, HMB444H1

Distribution Requirement Status: Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **VIC141Y1 Discovery and Revolution [48S]**

This course examines the emergence of a global modern world in relation to the upheavals of the Renaissance (1350-1700) and its discoveries and innovations in social organization, politics, science, travel, art and architecture, literature and philosophy, religion and music. Not eligible for CR/NCR option.

Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; 199 seminars or other Vic One Hundred seminar.

Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

**VIC159H1 Vic One Hundred Special Topics Seminar [24S]**

Topics vary from year to year. Not eligible for CR/NCR option.  
Exclusion: Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; No more than another 0.5 FCE from 199 seminars or Vic One Hundred.

Distribution Requirement Status: Humanities or Social Science or Science  
Breadth Requirement: None

**VIC159Y1 Vic One Hundred Special Topics Seminar [48S]**

Topics vary from year to year. Not eligible for CR/NCR option.  
Exclusion: Innis One, Munk One, New One, SMC One, Trinity One, UC One, Vic One, Woodsworth One; 199 seminars or other Vic One Hundred seminar.

Distribution Requirement Status: Humanities or Social Science or Science  
Breadth Requirement: Creative and Cultural Representations (1) + Thought, Belief and Behaviour (2)

**Creative Expression and Society Courses**

**IVP210H1 Holography for 3D Visualization (formerly JOP210H1) [24L/36P]**

An introduction to the theory and practice of holography. Human perception & 3D visualization; fundamentals of 3D modeling; ray and wave optics; interference, diffraction, coherence; transmission and reflection holograms; colour perception; stereograms. Applications of holography in art, medicine, and technology. Computer simulation, design, and construction of holograms.

Exclusion: JOP210H1  
Distribution Requirement Status: Science  
Breadth Requirement: The Physical and Mathematical Universes (5)

**VIC209H1 How Stories Work [24S]**

Stories give shape and substance to the things we believe in, from scientific theories and sacred texts to literary tales and philosophical propositions. They perpetuate ideals and identities, and sustain institutions and communities. This course will take up a set of texts from the arts, sciences, religions and several other storytelling traditions, ancient and modern, considering their claims to authority and making connections between them.

Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

**VIC270H1 Listening: A Critical History [24S]**

Surveying scenarios for public and private musical listening, from historical contexts to the present, this course explores critical questions about how we listen, including the relationship between musical genres and listening situations, the definition of music vs. noise, the influence of spectatorship, and the impact of changing technologies. Students discuss the changing aesthetics and ideologies of musical listening, considering ways in which listening shapes our understanding of the social and our awareness of communities.

Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

**VIC271H1 Reading the Wild [24S]**

In light of the environmental crisis, this seminar surveys a wide range of oral and written literature in order to discover how our approach to nature has changed over the centuries, what gains and losses have attended modernity, and what older cultures can teach us as we seek to preserve threatened ecosystems.

Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

**VIC273H1 The Body: An Exercise [24S]**

This course will sketch the vital role or the drama of the human body, aspects of its performance, comedy, tragedy and death, through selected parts of history, in life and as reflected in "art."

Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

**VIC275H1 Creative Writing: Short Fiction [24S]**

This course is for aspiring fiction writers who wish to deepen their craft. Each seminar will feature a lecture on technical issues such as plot and characterization, as well as an analysis of a short story by a classic writer. Students will write their own stories, with editorial input from the instructor.

Prerequisite: Application Required.  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

**VIC279H1 Creative Non-Fiction [24S]**

This course examines the forms, style, aims, and ethics of non-fictional forms such as documentary writing, journalism, and life-writing. It combines the study of examples from contemporary media with exercises in writing non-fictional prose.

Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

**VIC280H1 Creative Writing: Poetry [24S]**

A workshop course (with a literature component) in writing poetry. Designed for those with a serious ambition to be writers as evinced in work they are already doing. The literature component emphasizes multicultural dimensions of contemporary writing in English.

Prerequisite: Application required  
Exclusion: VIC350Y1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

**VIC281H1 Popular Music, Technology, and the Human [24S]**

This course explores ways in which popular music, sound and sound technologies have influenced our understanding of the recent human condition. Drawing on a variety of theoretical perspectives, we consider the musical uses of technology as both a material culture and a set of distinctly innovative practices that can create powerful transformations of consciousness, meaning and value.

Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

**VIC350Y1 Creative Writing [48S]**

A workshop course (with a literature component) in writing fiction and poetry. Designed for those with a serious ambition to be writers as evinced in work they are already doing. Does not offer instruction for beginning writers. Presupposes perfect and sophisticated written language skills. The Literature component emphasizes multicultural dimensions of contemporary writing in English.

Prerequisite: Application Required. Preference given to fourth and third-year students.

Exclusion: VIC280H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **VIC352Y1 Love, Sex and Death in Short Fiction [48S]**

This course will examine how a variety of international authors, both nineteenth century and modern, handle the themes of mortality, sexual passion and love in their short fiction. Particular emphasis will be placed on the artistry of the writers' presentation, the role of dialogue, the economy of narrative, etc. Students will read Chekhov, *The Kiss*, *Lady with a Dog* and Tolstoy, *Master and Man* but will also be exposed to such contemporary popular authors as Elmore Leonard, *When the Women Come Out to Dance*; Truman Capote, *Mojave*; Richard Ford, *The Occidentals*; Philip Roth, *The Dying Animal*; Ian McEwan, *The Cement Garden*; and David Bezmozgis, *Natasha*.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **VIC370H1 Music and the Imagination [24S]**

This course explores how music creatively reflects and inspires our sense of self, place and community through readings, close listening, case studies, and creative responses. We consider various sites of musical imagination, and the genres that intersect with them. Course discussion addresses how music participates in the social life of creativity, imagination and fantasy, and what these roles mean for music's significance in society and culture. No prior experience in music composition required.

Prerequisite: Completion of 6.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **VIC371H1 Photojournalism [24S]**

This seminar course looks at the history and evolution of photojournalism and documentary photography, their changing contexts and challenges in the digital era. We investigate photographs old and new. Students discuss major visual stories in the news. They also read writings about photography and photojournalism from some of its most important practitioners. No camera required. Students from all disciplines and areas of interest welcome.

Prerequisite: Completion of 6.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **VIC372H1 Reviewing, Reception, and Reading Communities [24S]**

While readers and audiences often are considered to be cultural "consumers," this course will consider reception as an active, creative, and often collaborative activity, by examining formal and informal practices of reviewing and response that may include fan/fanfic cultures, book clubs, community and nation-wide reading programs, and award competitions. Such contexts of reception will be considered along with their social, economic, and ethical implications.

Prerequisite: Completion of 6.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **VIC470H1 Soundscapes [24S]**

This course surveys the growth of the field of Acoustic Ecology and the aesthetic, political, and ethical questions it engages. Students learn about creative and musical practices associated with this new attention to sound, and they gain experience with the practice of field recording and sonic-environmental sampling. The course culminates with a final Soundscape composition or creative mapping project. No previous experience in sound recording or composition required.

Prerequisite: Completion of 9.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **VIC479Y1 The Novel: A Master Class [48S]**

Advanced young writers in this fourth-year seminar work to produce a short novel appropriate for submission to an agent or a publisher. The class does not offer instruction for beginning writers. It is intended for serious writers interested in learning about writing novels at a professional level.

Prerequisite: Application required

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **VIC480H1 Poetry: A Master Class [24S]**

A workshop course in writing poetry. Designed for those with a serious ambition to be writers as evinced in work they are already doing. Does not offer instruction for beginning writers. Presupposes perfect and sophisticated written language skills.

Prerequisite: Application required.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **Education and Society Courses**

### **JSV200H1 Communication and Conflict Resolution in Education [24L]**

This course aims to develop an understanding of social conflict and cultural diversity. How does conflict act as a catalyst for change? What do socio-cultural, cognitive, and motivational approaches teach us about conflict? Topics include: effects of conflict, human rights principles, cross-cultural understanding.

Prerequisite: Enrolment in Education and Society Minor

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **JSV201H1 Child and Adolescent Development in Education (formerly SMC272H1, VIC261H1) [36L]**

This course examines how children and adolescents develop and explores how best to facilitate their growth and learning in the area of education. Major topics include cognitive, emotional, social, moral, physical and language development. Themes addressed include interpersonal relationships such as pro-social and aggressive behaviour, as well as the influence of schooling, family life and culture. This course includes a 20-hour field experience located in a school and entails observation of development across various age groups. This may be satisfied by participation in Vic Reach or in another organization with the approval of the Program Coordinator.

Prerequisite: Enrolment Education and Society Minor

Exclusion: SMC272H1, VIC261H1

Distribution Requirement Status: Social Science or Science

Breadth Requirement: Thought, Belief and Behaviour (2)

### **JSV202H1 Equity and Diversity in Education (formerly SMC271H1, VIC260H1) [36L]**

This course focuses on raising awareness and sensitivity to equity and diversity issues facing teachers and students in diverse schools and cultural communities. It builds knowledge of how oppression works and how cultural resources and educational practices may be brought to bear on reducing oppression and improving equity. The field experience in this course entails observation of and participation in equity and diversity efforts in a culturally-rooted school and/or community organization.

Prerequisite: Enrolment in Education and Society Minor

Exclusion: SMC271H1, VIC260H1  
 Distribution Requirement Status: Social Science  
 Breadth Requirement: Society and its Institutions (3)

**VIC360H1 Education Internship [TBA]**

Students are required to complete an internship in an educational environment. This can be satisfied by participation in an organization with the approval of the Program Coordinator. Written assessment of the internship is required. Not eligible for CR/NCR option.  
 Prerequisite: Enrolment in Education and Society Minor, VIC362H1/EDU311H1  
 Exclusion: VIC360Y1  
 Distribution Requirement Status: Social Science  
 Breadth Requirement: Society and its Institutions (3)

**VIC360Y1 Education Internship [TBA]**

Students are required to complete an internship in an educational environment. This can be satisfied by participation in an organization with the approval of the Program Coordinator. Written assessment of the internship is required. Not eligible for CR/NCR option.  
 Prerequisite: Enrolment in Education and Society Minor, VIC362H1/EDU311H1  
 Exclusion: VIC360H1  
 Distribution Requirement Status: Social Science  
 Breadth Requirement: Society and its Institutions (3)

**VIC361H0 A Study of Chinese Literature and Culture**

This course will compare selected works of Chinese and Canadian authors with a view to the presentation of such writing in an educational setting.  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: Creative and Cultural Representations (1)

**VIC362H1 Introduction to Teaching [24S]**

Builds understanding of teaching as professional practice. The course primarily focuses on the research base underlying policies and documents such as the Foundations of Professional Practice.  
 Prerequisite: Enrolment in Education and Society Minor (Arts)  
 Distribution Requirement Status: Social Science  
 Breadth Requirement: Society and its Institutions (3)

**VIC363H1 Teaching Math: The JUMP Approach [24S]**

This course will challenge the widely accepted idea that people need to be born with a special gift or natural ability to excel in mathematics. New research in education and cognitive science suggests that young learners often struggle in school because they are not taught in a way that allows their brains to work efficiently. This course will examine barriers that prevent students from learning and methods of teaching that can help all students reach their full potential (not only in math). Math lovers and math phobic students are welcome: the course aims to help students develop deeper levels of confidence and understanding in mathematics so they can become effective teachers themselves.  
 Distribution Requirement Status: Social Science  
 Breadth Requirement: Society and its Institutions (3)

**Literature and Critical Theory Courses**

**VIC202Y1 Forms of Representation**

This course explores representation as a cultural and political problem. Representation is both a means of depicting or constructing reality and a means of constituting individual and collective subjectivities. We will consider literary and other modes of representation in their historical contexts.  
 Exclusion: VIC201Y1  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: Thought, Belief and Behaviour (2)

**VIC203Y1 Empire and Globalization**

An introduction to the history and ideologies of empire (east and west, old and new), with special attention to the establishment and transformation of the modern nation and its cultural forms. Our comparative approach will examine how cultural forms are established, interpreted, and reinvented at local, national, transnational and global levels.  
 Exclusion: VIC210Y1  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: Thought, Belief and Behaviour (2) + Society and its Institutions (3)

**VIC204H1 Canons and Canonicity**

This course will consider the problem of canons in a variety of contexts: the aesthetic (including the literary, visual arts and music), but also the religious, the political, the philosophical and other discursive forms. Special focus will be on the problem of the relations across these boundaries.  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: Thought, Belief and Behaviour (2)

**VIC301H1 Critical Writing Seminar**

This course is a writing intensive class devoted to the practice and analysis of critical writing. We will explore the critical tradition, the public(s) for whom one writes, and the choice of voice, point of view, and writerly form. The class will be structured around workshop style discussion and writing exercises.  
 Recommended Preparation: VIC202Y1  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: Creative and Cultural Representations (1)

**VIC302H1 Pasts and Futures**

An introduction to representations of history, in which we will consider concepts that turn on the problem of time such as tradition, periodization, genealogy, memory, crisis, revolution, eschatology, and utopia.  
 Recommended Preparation: VIC202Y1  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: Creative and Cultural Representations (1)

**VIC303H1 Memory and Trauma**

This course will explore the problem of memory in relation to both collective and individual trauma. What pressure does trauma place on language, and agency, and how does it figure in commemoration, narrative, monumentalization, and other modes of representing the past?  
 Exclusion: VIC309H1 as taken in 2011-2012, VIC310Y1  
 Recommended Preparation: VIC202Y1  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: Thought, Belief and Behaviour (2)

## **VIC304H1 Praxis and Performance**

This course will explore what it means to “act” in cultural, political, religious, and psychological realms. We focus on the historically shifting relations between theory and practice, between artifice and agency, and between theatricality and spectatorship.

Recommended Preparation: VIC202Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **VIC305H1 Institutions and Power**

This course will consider some of the ideologies and practices of various institutions at work in the production and transmission of cultural objects and social power. These may include the family, museum, hospital, prison, university, library, and theatre, as well as fields such as publishing and religion.

Recommended Preparation: VIC202Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **VIC306H1 Culture and Media**

This course will consider relations between various cultural media –such as film, literature, photography, visual art, architecture –with specific attention to the historical demands and possibilities posed by technological change.

Recommended Preparation: VIC202Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **VIC307H1 Periodization and Cultural History**

This course explores the phenomenon of historical periodization in its various modes, including as a stylistic concept, a set of discursive norms for cataloguing and grouping cultural forms, and a means of organizing and contesting historical narratives.

Recommended Preparation: VIC202Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **VIC308H1 Identities**

Though “identity” might suggest sameness, it is historically unstable and has many components, including ability/disability, age, class, ethnicity, gender, health/illness, ‘race,’ sexuality, and religion. This course considers the complexities of identity-formation and identity-transformation as captured in literary texts and cultural artefacts over a wide range of historical and cultural contexts.

Recommended Preparation: VIC202Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **VIC401H1 Seminar in Comparative Literature [24S]**

This course offers senior students in Literature and Critical Theory the opportunity to take part in a graduate seminar in Comparative Literature. Topics change annually.

Prerequisite: Permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **VIC401Y1 Seminar in Comparative Literature [48S]**

This course offers senior students in Literature and Critical Theory the opportunity to take part in a graduate seminar in Comparative Literature. Topics change annually.

Prerequisite: Permission of instructor

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) +

Thought, Belief and Behaviour (2)

## **VIC402H1 Translation and Comparativity**

This course will consider questions of adaptation, appropriation, imitation, hybridity and incommensurability across languages, geographical regions, epochs, media, and academic disciplines. Course topics may include the role of translation in the historical projects of nation-building and empire.

Prerequisite: VIC202Y1 and one of: VIC302H1, VIC303H1, VIC304H1, VIC305H1, VIC306H1, VIC307H1; or permission of instructor.

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

## **VIC403H1 Advanced Topics in Literature and Critical Theory**

Content varies depending on instructor. In-depth examination of selected issues.

Prerequisite: VIC202Y1 and one of: VIC302H1, VIC303H1, VIC304H1, VIC305H1, VIC306H1, VIC307H1; or permission of instructor.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **VIC494H1 LCT Senior Research Paper**

This course provides an opportunity to design an interdisciplinary course of study, not otherwise available within the Faculty, with the intent of addressing specific topics in Literature and Critical Theory. Written application (detailed proposal, reading list and a letter of support from a Victoria College faculty member who is prepared to supervise) must be submitted for approval on behalf of Victoria College. For application procedures visit the Victoria College website. Not eligible for CR/NCR option.

Prerequisite: A minimum CGPA of 3.0 and have completed 15 FCE and permission of College Program Director.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **VIC494Y1 LCT Senior Research Paper**

This course provides an opportunity to design an interdisciplinary course of study, not otherwise available within the Faculty, with the intent of addressing specific topics in Literature and Critical Theory. Written application (detailed proposal, reading list and a letter of support from a Victoria College faculty member who is prepared to supervise) must be submitted for approval on behalf of Victoria College. For application procedures visit the Victoria College website. Not eligible for CR/NCR option.

Prerequisite: A minimum CGPA of 3.0 and have completed 15 FCE and permission of College Program Director.

Distribution Requirement Status: Humanities

## **Material Culture Courses**



**VIC224H1 Introduction to Material Culture [12P/24S]**

This course is about things - the everyday objects of past and present cultures. It examines the meanings people have invested in objects and how those meanings have changed over time. Using interdisciplinary approaches, students investigate objects found in homes, retail spaces, cities, art galleries and museums in order to develop new understandings of the objects that structure their daily lives and their material world.

Prerequisite: Completion of 4.0 FCE

Exclusion: VIC111H1/VIC111Y1, VIC224Y1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**VIC224Y1 Introduction to Material Culture [24P/48S]**

This course is about things - the everyday objects of past and present cultures. It examines the meanings people have invested in objects and how those meanings have changed over time. Using interdisciplinary approaches, students investigate objects found in homes, retail spaces, cities, art galleries and museums in order to develop new understandings of the objects that structure their daily lives and their material world.

Prerequisite: Completion of 4.0 FCE

Exclusion: VIC111H1/VIC111Y1, VIC224H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**VIC225Y1 A History of the World in Objects [48L/24P]**

Through a multidisciplinary approach, this course opens new perspectives on the history of artifacts, the evolution of a world of things, and the analysis of material culture. Lectures and tutorials are supplemented by hands-on exercises in museums and local communities.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

**VIC229H1 Special Topics in Material Culture [24S]**

An in-depth examination of some aspect of Material Culture theory or practice. Content in any given year depends on instructor. Not offered every year.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**VIC229Y1 Special Topics in Material Culture [48S]**

An in-depth examination of some aspect of Material Culture theory or practice. Content in any given year depends on instructor. Not offered every year.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

**VIC326H1 The Material Culture of Food**

This course explores the material cultures which form around food and foodways in contemporary culture. It looks at foods as objects of production and consumption and at the material landscapes (culinary tools, the geography of the kitchen and restaurant, the archives - recipes, cookbooks, menus - that home cooks or chefs use) in order to "expose" the social, cultural and political dimensions of cooking, entertaining and eating.

Prerequisite: Completion of 6.0 FCE

Exclusion: VIC229H1 taken in 2015-2016

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

**VIC328H1 Materializing Cultural Identities [24S]**

Students examine the expression of cultural identities in objects. Students are taught to think critically about the construction, use, display, and exchange of objects with significance for cultural identity. In addition to lectures and discussions, students participate in guided visits to sites –everyday, ritual, institutional –where negotiation of identity through objects occurs.

Prerequisite: Completion of 6.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**VIC329H1 Internship in Material Culture [TBA]**

A practical or experiential learning opportunity under the supervision of a faculty member, normally at a museum, art gallery or other cultural agency (as approved by the supervisor). Not eligible for CR/NCR.

Prerequisite: Completion of 9 FCE

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

**VIC329Y1 Internship in Material Culture [TBA]**

A practical or experiential learning opportunity under the supervision of a faculty member, normally at a museum, art gallery or other cultural agency (as approved by the supervisor). Not eligible for CR/NCR.

Prerequisite: Completion of 9 FCE

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

**VIC444H1 Themes in Material Culture [24S]**

This fourth year seminar, required for students pursuing a minor in material culture, will have opportunities to explore themes in material culture studies, museum exhibitions and collections as well as processes of object analysis in greater depth and at an advanced level. Specific topics and research projects will vary according to the interests and specialties of course instructors and students.

Prerequisite: VIC224Y1/VIC225Y1 and completion of 9 FCE; or permission of instructor

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Creative and Cultural Representations (1)

**Renaissance Studies Courses**

**VIC240Y1 The Civilization of Renaissance Europe [48L]**

An interdisciplinary introduction to the civilization of the Renaissance illustrated by a study of the institutions, thought, politics, society and culture of both Italy and Northern Europe. Italian city states such as Florence, Urbino and Venice, Papal Rome and despotic Milan are compared with the northern dynastic monarchies of France and England.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

**VIC241Y1 Renaissance Icons and Afterlives [48S]**

Focusing on famous works like Michelangelo's *David*, Shakespeare's *Hamlet*, Cervantes' *Don Quixote*, and Monteverdi's *Orfeo*, this course explores some of the greatest masterpieces of the European Renaissance and their afterlives, cross-cultural adaptations, and appropriations in later and modern popular culture.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) + Thought, Belief and Behaviour (2)

## **VIC341H1 The Self and Society: Women, Men and Children [24S]**

A study of the changing conception of the human self in the Renaissance, and of its representation by major authors: Erasmus, Rabelais, Marguerite de Navarre, Castiglione, Machiavelli and others.  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2)

## **VIC342H1 Women and Writing in the Renaissance [24S]**

Focusing on writers from various geographical areas, the course examines a variety of texts by early modern women (for example, treatises, letters, and poetry) so as to explore the female experience in a literate society, with particular attention to how women constructed a gendered identity for themselves against the backdrop of the cultural debates of the time.  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **VIC343Y1 Sex and Gender (formerly VIC343H1) [48S]**

An interdisciplinary approach to questions of gender and sexuality in early modern Europe, with special focus on the representations of the sexual drive, the gender roles of men and women, and varieties of sexual experience in the literature and art of the period.  
Exclusion: VIC343H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Thought, Belief and Behaviour (2) + Society and its Institutions (3)

## **VIC344H1 Renaissance Narrative (formerly VIC242H1) [24S]**

Focuses on analysis of short stories and longer prose works including, in English translation: Boccaccio's stories of love, fortune and human intelligence in the *Decameron*; Rabelais' humorous parody of high culture in *Gargantua*; the tragic tale of *Romeo and Juliet*; and the adventures of picaresque rogues in *Lazarillo de Tormes* and Nashe's *Unfortunate Traveler*.  
Exclusion: VIC242H1  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **VIC345H1 Media and Communications in the Early Modern Era [24S]**

This course examines the various media (printing press, representational art, music, preaching) and social and political forces (family and political networks, censorship, education, etc.) that conditioned the communication of ideas in early modern society.  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **VIC346H1 The Idea of the Renaissance [24S]**

This course examines the changing views of the Renaissance, from the earliest definitions by poets and painters to the different understandings of contemporary historians. We will pay attention to the interests and biases that have informed the idea of the Renaissance as an aesthetic, social, political, gendered, and eurocentric phenomenon.  
Prerequisite: Completion of 6.0 FCE  
Recommended Preparation: At least one half course in the art, literature, history, or philosophy of fifteenth or sixteenth century Europe  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **VIC347H1 Studies in Renaissance Performance (formerly VIC347Y1) [24L]**

Studies in the development of new forms in music, drama and dance in the Renaissance. The course will consist of seminars and lectures, and may incorporate live performances taking place in Toronto in addition to recordings.  
Exclusion: VIC347Y1  
Recommended Preparation: VIC240Y1, or another course in Renaissance Studies.  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1)

## **VIC348Y1 The Renaissance in the Cities [48L]**

An interdisciplinary course exploring the history, art, architecture, literature, and music of the Renaissance in one or more cities from ca. 1400-1650. The course will investigate how local political and social-historical contexts shape ideas and cultural forms, and so illustrate the process and effects of cross-fertilization in the Renaissance period.  
Recommended Preparation: VIC240Y1, or another course in Renaissance Studies.  
Distribution Requirement Status: Humanities  
Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

## **VIC349H1 Special Topics in the Renaissance [24L/12P]**

Studies in an aspect of the Renaissance based around lectures, seminars, and readings. Content in any given year depends on instructor. Not offered every year.  
Recommended Preparation: VIC240Y1, or another course in Renaissance Studies.  
Distribution Requirement Status: Humanities  
Breadth Requirement: None

## **VIC349Y1 Special Topics in the Renaissance [48L/24P]**

Studies in an aspect of the Renaissance based around lectures, seminars, and readings. Content in any given year depends on instructor. Not offered every year.  
Recommended Preparation: VIC240Y1, or another course in Renaissance Studies.  
Distribution Requirement Status: Humanities  
Breadth Requirement: None

## **VIC392H1 Renaissance Studies Independent Study**

This course provides an opportunity to design an interdisciplinary course of study, not otherwise available within the Faculty, with the intent of addressing specific topics in Renaissance studies. Written application (detailed proposal, reading list and a letter of support from a Victoria College faculty member who is prepared to supervise) must be submitted for approval on behalf of Victoria College. For application procedures visit the Victoria College website. Not eligible for CR/NCR option.  
Prerequisite: A minimum CGPA of 3.0 and have completed 10 FCE and permission of College Program Director.  
Distribution Requirement Status: Humanities  
Breadth Requirement: None

## **VIC392Y1 Renaissance Studies Independent Study**

This course provides an opportunity to design an interdisciplinary course of study, not otherwise available within the Faculty, with the intent of addressing specific topics in Renaissance studies. Written application (detailed proposal, reading list and a letter of support from a Victoria College faculty member who is prepared to supervise) must be submitted for approval on behalf of Victoria College. For application procedures visit the Victoria College website. Not eligible for CR/NCR option.

Prerequisite: A minimum CGPA of 3.0 and have completed 10 FCE and permission of College Program Director.  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: None

**VIC440Y1 Florence and the Renaissance [48L]**

An interdisciplinary seminar on Florence in the 15th and 16th centuries: humanism, culture and society in the republican period, the rise of the Medici, Florentine neoplatonism, the establishment of the Medici principate, culture, society and religion.  
 Prerequisite: VIC240Y1 or permission of the instructor  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

**VIC449H1 Advanced Seminar in the Renaissance [12P/24S]**

An in-depth study in an aspect of the Renaissance based around lectures, seminars, and readings. Content in any given year depends on the instructor.  
 Recommended Preparation: VIC240Y1, or another course in Renaissance Studies.  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: None

**VIC449Y1 Advanced Seminar in the Renaissance [24P/48S]**

An in-depth study in an aspect of the Renaissance based around lectures, seminars, and readings. Content in any given year depends on the instructor.  
 Recommended Preparation: VIC240Y1, or another course in Renaissance Studies.  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: None

**VIC492H1 Renaissance Studies Independent Study**

This course provides an opportunity to design an interdisciplinary course of study, not otherwise available within the Faculty, with the intent of addressing specific topics in Renaissance studies. Written application (detailed proposal, reading list and a letter of support from a Victoria College faculty member who is prepared to supervise) must be submitted for approval on behalf of Victoria College. For application procedures visit the Victoria College website. Not eligible for CR/NCR option.  
 Prerequisite: A minimum CGPA of 3.0 and have completed 15 FCE and permission of College Program Director.  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: None

**VIC492Y1 Renaissance Studies Independent Study**

This course provides an opportunity to design an interdisciplinary course of study, not otherwise available within the Faculty, with the intent of addressing specific topics in Renaissance studies. Written application (detailed proposal, reading list and a letter of support from a Victoria College faculty member who is prepared to supervise) must be submitted for approval on behalf of Victoria College. Not eligible for CR/NCR option.  
 For application procedures visit the Victoria College website.  
 Prerequisite: A minimum CGPA of 3.0 and have completed 15 FCE and permission of College Program Director.  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: None

**Science and Society Courses**

**VIC206H1 Psychology and Society [24S]**

This course explores central developments and ongoing controversies in the scientific study of the human mind, brain and behaviour. It examines topics such as: psychoanalysis, behaviourism, humanistic psychology, evolutionary psychology, intelligence testing, and feminist perspectives. Goals include understanding the historical evolution and social relevance of scientific psychology.  
 Exclusion: VIC106H1  
 Distribution Requirement Status: Humanities or Social Science  
 Breadth Requirement: Thought, Belief and Behaviour (2)

**VIC207H1 Evolution, Genetics, and Behaviour [24S]**

In this course we examine major episodes in the history of evolution and genetics in the twentieth century. Topics include Darwinian evolution, sociobiology and evolutionary psychology, eugenics, and genetic screening and therapy. We will examine different views about the control of evolution and genetic manipulation in their socio-cultural-economic context and discuss the ethical and social implications of those views.  
 Exclusion: VIC107H1  
 Distribution Requirement Status: Humanities or Social Science  
 Breadth Requirement: Thought, Belief and Behaviour (2)

**VIC274H1 Wisdom of the Social Sciences [24S]**

This course examines influential efforts to study human beings and society scientifically, from the seventeenth century to the present. We consider major contributions from prominent thinkers, such as Thomas Hobbes, Adam Smith, Karl Marx, and Sigmund Freud. We also review the contemporary relevance and persistent controversies about their ideas.  
 Distribution Requirement Status: Social Science  
 Breadth Requirement: Thought, Belief and Behaviour (2)

**VIC278H1 Modelling Evil and Disease [24S]**

Models frame our understanding and treatment of illness and are the most fundamental element of the scientific method. Theology, history, and literature may use models in different ways than natural and medical sciences but fundamentally all modelling is an attempt to accurately predict and manipulate the future.  
 Distribution Requirement Status: Humanities  
 Breadth Requirement: Thought, Belief and Behaviour (2)

**Semiotics Courses**

**VIC220Y1 Post-Structuralism/ Post-Modernism [48L]**

Studies the international culture emerging in media and literature and examines recent communication theory as it applies to literary, social and cultural issues.  
 Prerequisite: One course from:  
 ANT100Y1/LIN100Y1/PHL100Y1/SOC101Y1/(SOC102H1+SOC103H1)/one FCE in Vic One.  
 Distribution Requirement Status: Social Science  
 Breadth Requirement: Creative and Cultural Representations (1) + Thought, Belief and Behaviour (2)

**VIC223Y1 Signs, Meanings, and Culture [48L/24T]**

This course will introduce the main elements of semiotic theory, applying it to the study of human culture, from language, myth, and art to popular forms of culture such as pop music and cinema. It will deal with primary texts in the development of semiotics, and cover a broad range of cultural applications of semiotic theory.  
 Exclusion: VIC120Y1  
 Distribution Requirement Status: Social Science  
 Breadth Requirement: Thought, Belief and Behaviour (2)

## **VIC320Y1 Semiotics of Visual Art [48L]**

Theories and models of applied semiotics: analysis of sign systems as articulated in various forms of artistic and cultural production.

Prerequisite: VIC220Y1/VIC223Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

## **VIC322H1 Topics in Semiotics [24S]**

An in-depth examination of some aspect of semiotic theory or practice. Content in any given year depends on instructor. Not offered every year.

Prerequisite: VIC220Y1/VIC223Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Creative and Cultural Representations (1)

## **JFV323H1 Semiotics and Literature I [24S]**

The study of readings from major French literary semioticians is combined with the practical application of theory to the analysis of selected literary texts. This course is taught in English. (Not offered in 2016-17; offered every three years.)

Prerequisite: Completion of 5 FCE

Recommended Preparation: FRE240H1 + FRE241H1 or VIC223Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **VIC323Y1 Theories of the Sign (formerly VIC420Y1) [48L/24T]**

Theories of signification studied with a focus on major works in the semiotics of modern and contemporary culture.

Prerequisite: VIC220Y1/VIC223Y1

Exclusion: VIC420Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Creative and Cultural Representations (1)

## **VIC324H1 Introduction to Forensic Semiotics [24L]**

This course will introduce the field of forensic semiotics, which is new and in the process of being developed within the general field of semiotics. The course will look at the usage of semiotic notions, methods, and techniques in the area of forensic science. This includes the analysis of facial expression, sign-based clues left at crime scenes, body language, the symbolism of tattoos in gang behaviour, the role of ritual and slang in criminal gangs and in organized crime syndicates, and the analysis of conversations and written materials produced by criminals and their meanings. Experts in the field (from the judiciary, police, and other areas) will be invited to give guest lectures.

Prerequisite: VIC220Y1/VIC223Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Creative and Cultural Representations (1)

## **VIC325H1 Media Semiotics [24L]**

This course will deal with media semiotics, both in the traditional sense of the study of meanings in all media (from print to digital) and in how new digital media are changing the nature of signification and communication. The course will look at the usage of semiotics to study how meaning is negotiated in interactive media versus the older and still extant one-way media (print and radio, for example). The course will utilize actual media materials (comic books, television programs, text messages, and so on) on which semiotic analysis can be conducted.

Prerequisite: VIC220Y1/VIC223Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Creative and Cultural Representations (1)

## **Vic Capstone Courses**

Capstone courses provide opportunities for students to work closely with senior faculty on projects that involve substantial research, leadership, and/or interdisciplinary components, so as to consolidate their academic experiences and prepare to move beyond undergraduate studies.

### **VIC451H1 Capstone: Learning Communities and Higher Education [24S]**

This course examines higher education in Canada using Victoria University and Victoria's affiliates as a case study. Topics covered include learning communities, mentoring, experiential learning, and international contexts of education. Students gain practical mentorship experience through placement in first-year Victoria College courses. Not eligible for CR/NCR.

Prerequisite: Students must have a minimum CGPA of 3.0 and 15 completed FCE. Application required.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **VIC476H1 Capstone Seminar in Foreign Policy**

The seminar involves a critical assessment of current foreign policy issues and contemporary world problems. Issues and case studies to be analyzed include: 1. International military interventions to respond to imminent threats or humanitarian crises, issues of legitimacy and effectiveness. e.g., Iraq, Afghanistan, Kosovo, Haiti. 2. Canada-US relations in international crisis management, the track record and the way ahead. 3. Globalization, international terrorism, and their effects on sovereignty, diplomacy and international institutions.

Prerequisite: Completion of 15 FCE, and VIC181H or permission of the instructor. Application required.

Exclusion: POL470Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

### **VIC490H1 Victoria College Independent Studies [TBA]**

These courses provide an opportunity to design an interdisciplinary course of study not otherwise available within the Faculty. Written application (detailed proposal, reading list and a letter of support from a Victoria College faculty member who is prepared to supervise) must be submitted for approval on behalf of Victoria College. For application procedures visit the Victoria College website. Not eligible for CR/NCR option.

Prerequisite: A minimum CGPA of 3.0 and have completed 15 FCE and permission of College Program Director.

Distribution Requirement Status: Social Science

Breadth Requirement: None

### **VIC490Y1 Victoria College Independent Studies [TBA]**

These courses provide an opportunity to design an interdisciplinary course of study not otherwise available within the Faculty. Written application (detailed proposal, reading list and a letter of support from a Victoria College faculty member who is prepared to supervise) must be submitted for approval on behalf of Victoria College. For application procedures visit the Victoria College website. Not eligible for CR/NCR option.

Prerequisite: A minimum CGPA of 3.0 and have completed 15 FCE and permission of College Program Director.

Distribution Requirement Status: Social Science

Breadth Requirement: None

**VIC491H1 Victoria College Independent Studies [TBA]**

These courses provide an opportunity to design an interdisciplinary course of study not otherwise available within the Faculty. Written application (detailed proposal, reading list and a letter of support from a Victoria College faculty member who is prepared to supervise) must be submitted for approval on behalf of Victoria College. For application procedures visit the Victoria College website. Not eligible for CR/NCR option.

Prerequisite: A minimum CGPA of 3.0 and have a completed 15 FCE and permission of College Program Director.

Distribution Requirement Status: Humanities

Breadth Requirement: None

**VIC491Y1 Victoria College Independent Studies [TBA]**

These courses provide an opportunity to design an interdisciplinary course of study not otherwise available within the Faculty. Written application (detailed proposal, reading list and a letter of support from a Victoria College faculty member who is prepared to supervise) must be submitted for approval on behalf of Victoria College. For application procedures visit the Victoria College website. Not eligible for CR/NCR option.

Prerequisite: A minimum CGPA of 3.0 and have completed 15 FCE and permission of College Program Director.

Distribution Requirement Status: Humanities

Breadth Requirement: None

**VIC493H1 Vic Capstone Research Colloquium [24S]**

This seminar provides work-in-progress support for students pursuing full-year or half-year Individual Studies projects. In an interdisciplinary seminar, students receive training and practice in project design, professional skills, and effective communication in a variety of genres and contexts. This course is Pass/Fail. Not eligible for CR/NCR option.

Prerequisite: Students must have a minimum CGPA of 3.0 and 15 completed FCE. Application required.

Corequisite: Registration in an Independent / Individual Studies or Senior Essay course

Exclusion: POL499Y1; RLG404H1/405H1; UNI460H1; thesis seminars in other programs

Distribution Requirement Status: Humanities or Social Science or Science

Breadth Requirement: None

**Other Vic Courses**

Victoria College offers other course modules that allow students to incorporate supervised individual projects, experiential learning, research experiences, and international opportunities into their academic studies. Seminars on special topics offered on an occasional basis are also included in this category.

**VIC259H1 Special Topics Seminar [24S]**

Topics vary from year to year depending on the instructor.

Prerequisite: Students must have completed a minimum of 5 FCE

Distribution Requirement Status: Humanities or Social Science or Science

Breadth Requirement: None

**VIC259Y1 Special Topics Seminar [48S]**

Topics vary from year to year depending on the instructor.

Prerequisite: Students must have completed a minimum of 5 FCE  
Distribution Requirement Status: Humanities or Social Science or Science

Breadth Requirement: None

**VIC296H1 Internship Opportunity [TBA]**

A practical or experiential learning opportunity under the supervision of a faculty member.

Prerequisite: Completion of 5 FCE

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

**VIC296Y1 Internship Opportunity [TBA]**

A practical or experiential learning opportunity under the supervision of a faculty member.

Prerequisite: Completion of 5 FCE

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

**VIC299Y1 Research Opportunity Program**

Credit course for supervised participation in faculty research project.

Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Humanities

Breadth Requirement: None

**VIC359H1 Special Topics Seminar [24S]**

An upper level course. Topics vary from year to year depending on the instructor.

Prerequisite: Students must have completed a minimum of 10 FCE

Distribution Requirement Status: Humanities or Social Science or Science

Breadth Requirement: None

**VIC359Y1 Special Topics Seminar [48S]**

An upper level course. Topics vary from year to year depending on the instructor.

Prerequisite: Students must have completed a minimum of 10 FCE

Distribution Requirement Status: Humanities or Social Science or Science

Breadth Requirement: None

**VIC390H1 Victoria College Independent Studies [TBA]**

These courses provide an opportunity to design an interdisciplinary course of study not otherwise available within the Faculty. Written application (detailed proposal, reading list and a letter of support from a Victoria College faculty member who is prepared to supervise) must be submitted for approval on behalf of Victoria College. For application procedures visit the Victoria College website. Not eligible for CR/NCR option.

Prerequisite: A minimum CGPA of 3.0 and have completed 10 FCE and permission of College Program Director.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **VIC390Y1 Victoria College Independent Studies [TBA]**

These courses provide an opportunity to design an interdisciplinary course of study not otherwise available within the Faculty. Written application (detailed proposal, reading list and a letter of support from a Victoria College faculty member who is prepared to supervise) must be submitted for approval on behalf of Victoria College. For application procedures visit the Victoria College website. Not eligible for CR/NCR option.

Prerequisite: A minimum CGPA of 3.0 and have completed 10 FCE and permission of College Program Director.

Distribution Requirement Status: Social Science

Breadth Requirement: None

## **VIC391H1 Victoria College Independent Studies [TBA]**

These courses provide an opportunity to design an interdisciplinary course of study not otherwise available within the Faculty. Written application (detailed proposal, reading list and a letter of support from a Victoria College faculty member who is prepared to supervise) must be submitted for approval on behalf of Victoria College. For application procedures visit the Victoria College website. Not eligible for CR/NCR option.

Prerequisite: A minimum CGPA of 3.0 and have completed 10 FCE and permission of College Program Director.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **VIC391Y1 Victoria College Independent Studies [TBA]**

These courses provide an opportunity to design an interdisciplinary course of study not otherwise available within the Faculty. Written application (detailed proposal, reading list and a letter of support from a Victoria College faculty member who is prepared to supervise) must be submitted for approval on behalf of Victoria College. For application procedures visit the Victoria College website. Not eligible for CR/NCR option.

Prerequisite: A minimum CGPA of 3.0 and have completed 10 FCE and permission of College Program Director.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **VIC397H0 International Study [TBA]**

Course content, travel destination, etc., will depend on the instructor. Topics will vary from year to year. Course not offered every year. Not eligible for CR/NCR option.

Prerequisite: Completion of 9.0 FCE

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: None

## **VIC459Y1 Special Topics Seminar [48S]**

Topics vary from year to year.

Prerequisite: Completion of 9.0 FCE

Distribution Requirement Status: Humanities or Social Science or Science

Breadth Requirement: Creative and Cultural Representations (1) + Thought, Belief and Behaviour (2)

## **VIC459H1 Special Topics Seminar [24S]**

Topics vary from year to year.

Prerequisite: Completion of 9.0 FCE

Distribution Requirement Status: Humanities or Social Science or Science

Breadth Requirement: Creative and Cultural Representations (1)

## Faculty

### Professors

M. Murphy, BA, PhD  
M. Nyquist, BA, MA, PhD  
K. Rittich, Mus Bac, LL.M, SJD  
L. Yoneyama, BA, MA, PhD

### Associate Professors

D. Georgis, BA, MA, PhD  
M. Lo, BA, MA, MSc, PhD  
B. McElhinny, BA, Ph D  
J. Taylor, BA, MA, PhD  
A. Troitz, BA, MPhil, PhD

### Associate Professor, Teaching Stream

J. Larkin, BA, MEd, PhD

### Assistant Professor

K. Recollet, BA, MA, PhD

### Professors Emerita

M.J. Alexander, BSW, MA, PhD  
K.P. Morgan, BA, MA, MEd, PhD

## Introduction

For the past 40 years, we have trained students to think deeply about how gender and sexuality operate at the individual, interpersonal, institutional and global levels. Drawing from a range of disciplines such as history and literature, sociology and law, we enable students to answer urgent and complex questions, such as how militarization can constrict men's aspirations for their lives, why there are income disparities between women and men, how sexual expression is scripted and can be re-scripted, and even what Lady Gaga could have in common with Shakespeare. In addition to training students to traverse the stanzas of a poem and a government report with equal care and skill in their quests, we also focus attention on matters of scale: when to aggregate and when to parse significant distinctions, how to think comparatively across space and time.

The Women and Gender Studies Institute at the University of Toronto is distinctive for its transnational approach, critically addressing how national borders and nationalist discourses frame the constructions of gender and sexuality. We study the effects of migration, diaspora and wars on experiences of home and heritage, family, desire and selfhood. We provide students the conceptual tools to connect processes of imperialism and globalization with emergent economies and forms of labor and consumption. Finally, we encourage students to reflect on the varied histories of feminism when framing their own activism in the present.

Our graduates go on to do innovative work in the public service, creative, and corporate sectors, becoming everything from documentary filmmakers to grassroots activists to policy analysts in economic development agencies. All of them draw on the critical lens they develop in this program, becoming part of a rich community of graduates who maintain their connections with one another, and who come back to the classroom where they once were students to share their experiences.

Undergraduate Coordinator: Professor J. Taylor, New College, Room

2029 (416-978-5238).

Undergraduate Administrator: Marian Reed, New College, Room 2036 (416-978-3668).

Email: [grad.womenstudies@utoronto.ca](mailto:grad.womenstudies@utoronto.ca)

Web site: [www.utoronto.ca/wgsi](http://www.utoronto.ca/wgsi)

## Women and Gender Studies Programs

### Women and Gender Studies Specialist Program (Arts Program)

(10 full courses or their equivalent, including at least five full 300+ series courses and at least one WGS course at the 400-level)

1. WGS160Y1 (normally taken in first year)
2. WGS260H1
3. WGS360H1
4. WGS460Y1 and one additional full-course equivalent at the 400+ level
5. Four additional full-course equivalents from the core group below
6. Two additional full-course equivalents from Group A or B

### Women and Gender Studies Major Program (Arts Program)

(7 full courses or their equivalent, including at least three full 300+ series courses and at least one half WGS course at the 400-level)

1. WGS160Y1 (normally taken in first year)
2. WGS260H1
3. WGS360H1
4. Three additional full-course equivalents from the core group below
5. Two additional full-course equivalents from group A or B

### Women and Gender Studies Minor Program (Arts Program)

1. WGS160Y1 or WGS271Y1.
2. An additional 3.0 credits from the WGS core group or group A. 1.0 of these credits must be WGS courses at the 3rd or 4th-year level.

## Women and Gender Studies Course Groups

Core Group:

WGS160Y1, WGS260H1, WGS271Y1, WGS273H1, WGS275H1, WGS331H1 to WGS336H1, WGS340H1, WGS350H1, WGS355H1, WGS360H1, WGS362H1, WGS363H1, WGS365H1, WGS367H1, WGS369H1, WGS370H1, WGS372H1, WGS373H1, WGS374H1, WGS376H1, WGS385H1, WGS386H1, WGS395H1, WGS420H1, WGS426H1, WGS434H1, WGS435H1, WGS440H1, WGS450H1, WGS451H1, WGS460Y1, WGS461Y1, WGS462H1, WGS463H1, WGS465H1, WGS470Y1

Group A: (Primary Focus on Women and Gender Studies)

ANT343H1, ANT456H1, ANT460H1; CLA219H1, CLA319H1; EAS462H1; ENG273Y1, ENG307H1, ENG355H1; FAH425H1; FRE304H1; GER421H1; GGR320H1, GGR327H1; HIS202H1, HIS205H1, HIS297Y1, HIS306H1, HIS348H1, HIS354H1, HIS363H1, HIS383H1, HIS406H1, HIS446H1,

# Women and Gender Studies

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HIS448H1, HIS481H1; ITA455H1; JAL355H1; JPP343H1; JPU315H1; KPE200H, KPE300H, KPE401H; NEW325H1; NMC284H1, NMC484H1; PHE102H1, PHE301H1, PHE430H1; PHL243H1, PHL367H1; POL344Y1, POL432H1, POL450H1; PSY323H1; RLG235H1, RLG311H1, RLG312H1, RLG313H1, RLG315H1, RLG416H1; SLA248H1, SLA453H1; SOC214H1, SOC265H1, SOC314H1, SOC365H1, SOC366H1, SOC367H1, SOC383H1, SOC465H1; SPA382H1; UNI237H1, UNI335H1; VIC342H1, VIC343Y1; VIS209H1

Group B: (Minor Focus on Women and Gender Studies)

ANT329H1, ANT427H1, ANT477H1; CIN332Y1, CIN372Y1, CIN432H1; EAS314H1; ENG270Y1, ENG323H1, ENG370H1; FAS246H1; FCS390H1; GER250H1; GGR328H1, GGR363H1, GGR457H1; HIS459H1, HIS474H1; ITA493H1; JHA394H1, JPR364Y1; NEW214H1, NEW240Y1, NEW241Y1, NEW302Y1, NEW341H1, NEW344Y1, NEW345H1, NEW351Y1, NEW449H1; NMC384H1; PHL268H1, PHL281H1, PHL373H1, PHL380H1, PHL384H1; POL480H1; PRT351H1; SDS255H1, SDS256H1, SDS345H1, SDS346H1, SDS354H1, SDS355H1, SDS65H1, SDS377H1, SDS379H1, SDS475H1, SDS477H1, SDS478H1; SOC207H1, SOC220H1, SOC281H1, SOC309Y1, SOC410H1; UNI325H1; UNI211H1, UNI310H1, UNI330H1; VIS310H1; VIC341H1

## Women and Gender Studies Courses

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### First Year Seminars

The 199Y1 and 199H1 seminars are designed to provide the opportunity to work closely with an instructor in a class of no more than twenty-four students. These interactive seminars are intended to stimulate the students' curiosity and provide an opportunity to get to know a member of the professorial staff in a seminar environment during the first year of study. Details can be found at [www.artsci.utoronto.ca/current/course/fyh-1/](http://www.artsci.utoronto.ca/current/course/fyh-1/).

### 100-Series Courses

WGS160Y1 is subject to certain enrolment restrictions. During the first (P) round of enrolment on ACORN, priority is given to Specialists, Majors and Minors in Women and Gender Studies. Please refer to the Arts & Science Registration Instructions and Timetable at <http://www.artsci.utoronto.ca/current/course> for course enrolment procedures.

#### **WGS160Y1 Introduction to Women and Gender Studies [48L/24T]**

An integrated and historical approach to social relations of gender, race, class, sexuality and disability, particularly as they relate to women's lives and struggles across different locales, including Canada.

Distribution Requirement Status: Humanities or Social Science  
Breadth Requirement: Creative and Cultural Representations (1) + Thought, Belief and Behaviour (2)

### 200-Series Courses

200-level courses, with the exception of WGS273H1, are subject to certain enrolment restrictions. During the first (P) round of enrolment on ACORN, priority is given to Specialists, Majors and Minors in Women and Gender Studies. Please refer to the Arts & Science Registration Instructions and Timetable at <http://www.artsci.utoronto.ca/current/course> for course enrolment procedures.

#### **WGS260H1 Texts, Theories, Histories (formerly WGS262H1/WGS262Y1) [24L/12T]**

Examines modes of theories that shaped feminist thought and situates them historically and transnationally so as to emphasize the social conditions and conflicts in which ideas and politics arise, change and circulate.

Exclusion: WGS262H1/WGS262Y1

Recommended Preparation: WGS160Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

#### **WGS271Y1 Gender in Popular Culture [48L]**

A critical examination of institutions, representations and practices associated with contemporary popular culture, mass-produced, local and alternative.

Exclusion: WGS271H1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

#### **WGS273H1 Gender & Environmental (In)Justice (formerly WGS273Y1) [48L/24T]**

Using a transnational, feminist framework, this course examines material and conceptual interrelations between gendered human and non-human nature, ecological crises, political economies and environmental movements in a variety of geographical, historical and cultural contexts. Does environmental justice include social justice, or are they in conflict? What might environmental justice and activism involve?

Exclusion: WGS273Y1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

#### **WGS275H1 Men and Masculinities [24L/12T]**

Examines how masculinities shape the lives of men, women, transgender people. Effects of construction, reproduction and impact of masculinities on institutions such as education, work, religion, sports, family, medicine, military and the media are explored. Provides critical analysis of how masculinities shape individual lives, groups, organizations and social movements.

Recommended Preparation: WGS160Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Thought, Belief and Behaviour (2)

#### **WGS280H1 Special Topics in Women and Gender Studies [24L]**

Subjects will vary from year to year.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

#### **WGS281H1 Special Topics in Women and Gender Studies [24L]**

Subjects vary from year to year.

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

### 300-Series Courses

300-Series Courses are subject to certain enrolment restrictions. During the first (P) round of enrolment on ACORN, priority is given to Specialists, Majors and Minors in Women and Gender Studies. We strongly recommend that students complete WGS160Y in preparation for 3rd-year courses; however, this is not a formal pre-requisite. Please refer to the Arts & Science Registration Instructions and Timetable at <http://www.artsci.utoronto.ca/current/course> for course enrolment procedures.

Note: Courses numbered WGS330H1-WGS336H1 are reserved for



Special Topics in Women and Gender Studies. Topics vary from year to year.

## **WGS331H1 Special Topic in Women and Gender Studies [24L]**

An upper level seminar. Subjects of study vary from year to year.

Recommended Preparation: WGS160Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **WGS332H1 Special Topic in Women and Gender Studies [24L]**

An upper level seminar. Subjects of study vary from year to year.

Recommended Preparation: WGS160Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **WGS333H1 Special Topic in Women and Gender Studies [24L]**

An upper level seminar. Subjects of study vary from year to year.

Recommended Preparation: WGS160Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **WGS334H1 Special Topic in Women and Gender Studies**

An upper level seminar. Subjects of study vary from year to year. Topic for 2011-2012: Life Writing. A theoretical and literary study of the practice of life writing. Students will learn about narrative styles and their potential for a feminist imaginary. The course will include works of oral history, creative biography and autobiography, personal memoir and poetry.

Recommended Preparation: WGS160Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **WGS335H1 Special Topic in Women and Gender Studies**

An upper level seminar. Subjects of study vary from year to year.

Recommended Preparation: WGS160Y1

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **WGS336H1 Selected Topics in Cultural Studies [24L]**

An upper level course. Topics vary from year to year. Topic for 2011-2012: Gender and Sexuality in World Literature. This course explores gender and sexuality within literary texts as they move in transnational circuits of translation and publication. Reading, situating, and discussing fiction and prose, the class will consider the different ways gender, sexuality, affect, race, labor, violence, and nation are narrated, theorized, and entangled.

Recommended Preparation: WGS160Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **WGS340H1 Women and Revolution in the Middle East [24L]**

This course examines the complex and conflictual relations between women and revolutionary struggles and focuses on a number of theoretical and empirical issues relevant to the Middle East and North Africa context.

Exclusion: WGS335H1 Women and Revolution in the Middle East

Recommended Preparation: WGS160Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **WGS350H1 Masculinities and the Human in an Age of Terror [24L]**

This course contextualizes racialized masculinities and violence within postcolonial and anti-imperial discussions on contemporary discourses of terror. Working with concepts in gender and queer studies, this course draws on cultural production to offer a complex reading of masculinities and what it means to be human in conflict zones.

Recommended Preparation: WGS262H1/WGS262Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **WGS355H1 Gendered Labour Around the World [24L]**

This course will focus on masculinities and femininities in workplace settings, with an emphasis on service work around the world. We will discuss workers' lived experiences of gender regimes which are embedded within the dynamics of class, race and nation. The relationships between gender processes and workplace hierarchies will be explored.

Exclusion: WGS363H1 Gendered Labour Around the World

Recommended Preparation: WGS160Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **WGS360H1 Making Knowledge in a World that Matters [24L/12T]**

Teaches skills in feminist approaches to making knowledge. Introduces feminist practices for doing research and navigating the politics of production and exchange. Develops skills for conveying knowledge to the wider world, such as through research papers, reports, performance, new media, art.

Prerequisite: WGS160Y1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Creative and Cultural Representations (1)

## **WGS362H1 Selected Topics in Gender and History [24S]**

An upper level seminar. Subjects of study vary from year to year.

Recommended Preparation: WGS160Y1

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **WGS363H1 Selected Topics in Gender and Theory [24S]**

An upper level seminar. Subjects of study vary from year to year.

Recommended Preparation: WGS160Y1

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **WGS365H1 Gender Issues in the Law [24L]**

Examines the operation of the law as it affects women, the construction and representation of women within the legal system, and the scope for feminist and intersectional analyses of law. Includes an analysis of specific legal issues such as sexuality and reproduction, equality, employment, violence and immigration.

Recommended Preparation: WGS160Y1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **WGS367H1 The Politics of Gender and Health [24L/12T]**

Examines diverse traditions and normative models of health (e.g. biomedicine, social constructionist, aboriginal health) in conjunction with analyses of the origin, politics, and theoretical perspectives of contemporary Womens Health Movements. Topics may include fertility, sexuality, poverty, violence, labour, ageing, (dis)ability, and health care provision.

Recommended Preparation: WGS160Y1

Distribution Requirement Status: Humanities or Social Science

# Women and Gender Studies

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Breadth Requirement: Society and its Institutions (3)

## **WGS369H1 Studies in Post-Colonialism (formerly NEW369H1) [24L]**

Examines gendered representations of race, ethnicity, class, sexuality and disability in a variety of colonial, neo-colonial, and post-colonial contexts. Topics may include the emergence of racialist, feminist, liberatory and neoconservative discourses as inscribed in literary texts, historical documents, cultural artifacts and mass media.

Exclusion: NEW369H1

Recommended Preparation: WGS160Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **WGS370H1 Utopian Visions, Activist Realities [24L]**

Drawing on diversely situated case-studies, this course focuses on the ideals that inform struggles for social justice, and the mechanisms activists have employed to produce the change. Foci include the gendered implications of movement participation, local and transnational coalition, alternative community formation, and encounters with the state and inter/supra/transnational organizations.

Recommended Preparation: WGS160Y1

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## **WGS372H1 Women and Psychology/ Psychoanalysis [24L]**

An interdisciplinary analysis of the relationship of women to a variety of psychological and psychoanalytical theories and practices. Topics may include women and the psychological establishment; women's mental health issues; feminist approaches to psychoanalysis.

Recommended Preparation: WGS160Y1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **WGS373H1 Gender and Violence [24L]**

An interdisciplinary study of gendered violence in both historical and contemporary contexts including topics such as textual and visual representations; legal and theoretical analyses; structural violence; war and militarization; sexual violence; and resistance and community mobilization.

Recommended Preparation: WGS160Y1; WGS350H1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **WGS374H1 Feminist Studies in Sexuality [24L]**

Sexual agency as understood and enacted by women in diverse cultural and historical contexts. An exploration of the ways in which women have theorized and experienced sexual expectations, practices and identities. This course will be offered every three years.

Recommended Preparation: WGS160Y1; WGS271Y1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **WGS376H1 Studies in Queer and Trans (formerly WGS272H1/WGS272Y1) [24L]**

Takes up conversations in queer and trans studies as separate and entangled fields. It explores how queer and trans people have experienced and theorized gender and sexuality.

Exclusion: WGS272H1/WGS272Y1

Recommended Preparation: WGS160Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **WGS385H1 Gender and Neoliberalism [24L]**

Reviews major feminist transnational, Marxist and Foucaultian approaches to the study of neoliberalism. Adopts a comparative, historical and global approach to the ways that gender is implicated in state restructuring, changing roles for corporations and non-governmental organizations, changing norms for personhood, sovereignty and citizenship, and changing ideas about time/space.

Recommended Preparation: WGS160Y1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **WGS386H1 Gender and Critical Political Economy [24L]**

Offers a critical analysis of political economy, its historical and contemporary contentions and the ruptures that open the space for alternative theorizing beyond orthodox and heterodox thinking, by inserting gender and intersecting issues of power, authority and economic valorization across multiple and changing spheres: domestic, market and state.

Recommended Preparation: WGS160Y1; WGS273Y1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **WGS395H1 Indigeneity(s), hub spaces and decolonization [24L]**

Examines practices emerging from Indigenous hub spaces where complex Indigeneities are negotiated and mobilized for social change. Students will analyse practices rooted in Indigenous feminism, and performance (including Indigenous hip-hop culture), as acts of decolonization; and explore their manifold expressions within Indigenous new media and other forms of community-based activism.

Recommended Preparation: WGS160Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **WGS396H1 Writing the Body [24L]**

Examines the ways in which bodies are lived and encribed and represented through a variety of genres. Students will work through issues of corporeality and materiality in the production and reception of texts and will practice embodied writing on a personal level through in-class workshops and written assignments.

Exclusion: WGS332H1: Writing the Body

Recommended Preparation: WGS160Y1

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

## **WGS397H1 The Politics of Girlhood [24L]**

The course communicates the growing field of "girl studies" and provides a critical exploration of the historical, social, psychological and political definitions attached to girlhood. We will move toward a feminist understanding of how definitions of girl-child shape individual experience, historical narratives, cultural representations, political agendas and futures.

Exclusion: WGS335H1: The Politics of Girlhood

Recommended Preparation: WGS160Y1

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Thought, Belief and Behaviour (2)

## **400-Series Courses**

During the first and second round of enrolment on ACORN, certain enrolment restrictions apply to 400-Series courses. Pre-requisites will be enforced. Eligible students must have completed 2.5 full course equivalents in Women and Gender Studies. Students with 8.5 credits or less are not permitted to enrol.

**"RP" indicator courses:** during the restricted (R) round, only 3rd and

4th-year Specialists and Majors in Women and Gender Studies are eligible to enrol. During the priority (P) round, priority is given to 3rd and 4th-year Specialists, Majors and Minors in Women and Gender Studies.

**"RE" indicator courses:** this only applies to WGS460Y1: Honours Seminar. During the restricted (R) round, only 4th-year Specialists and Majors in Women and Gender Studies are eligible to enrol. During the "E" round, all students must enrol (ballot) at the department. Ballot forms can be picked up at the Women and Gender Studies Institute Program Office, Room 2036, Wilson Hall, New College, 40 Willcocks Street or printed off the WGS website: <http://www.wgsi.utoronto.ca/undergraduate/undergraduate-forms>. Forms must be approved by the Undergraduate Coordinator for the Women and Gender Studies Program. E-mail: [grad.womenstudies@utoronto.ca](mailto:grad.womenstudies@utoronto.ca).

**"E" indicator courses:** students must enrol (ballot) at the department. Ballot forms can be picked up at the WGS Program Office or printed off the WGS website: <http://www.wgsi.utoronto.ca/undergraduate/undergraduate-forms>. Forms must be approved by the Undergraduate Coordinator for the Women and Gender Studies Program.

## **WGS420H1 Asian/North American Feminist Issues [24L]**

A transpacific examination of issues that have directly and indirectly shaped the feminist and other related critical inquiries in Asia and among the Asian diasporas in Canada and the United States. Prerequisite: WGS160Y1, one full course at the 300+ level in WGS, and one half course in WGS. Distribution Requirement Status: Humanities Breadth Requirement: Society and its Institutions (3)

## **WGS426H1 Gender and Globalization: Transnational Perspectives**

Critically examines current interdisciplinary scholarship on globalization, its intersections with gender, power structures, and feminized economies. Related socio-spatial reconfigurations, 'glocal' convergences, and tensions are explored, with emphasis on feminist counter-narratives and theorizing of globalization, theoretical debates on the meanings and impacts of globalization, and possibilities of resistance, agency, and change. Prerequisite: WGS160Y1, one full course at THE 300+ level in WGS, and one half course in WGS. Exclusion: WGS463H1, fall session 2009 Distribution Requirement Status: Social Science Breadth Requirement: Society and its Institutions (3)

## **WGS434H1 Advanced Topics in Women and Gender Studies [24S]**

An upper level seminar. Topics vary from year to year depending on instructor. Topic for 2011-2012: Gender and Transnationalism in the Black Diaspora. This course introduces students to feminist discussions of material and cultural processes underpinning the transnational production and circulation of blackness. Among the topics that will be explored are migratory circuits, the cultural politics of memory, sexuality and the boundaries of diaspora, carceral regimes and the forging of transnational political communities. Prerequisite: WGS160Y1, one full course at THE 300+ level in WGS, and one half course in WGS. Distribution Requirement Status: Humanities Breadth Requirement: None

## **WGS435H1 Advanced Topics in Women and Gender Studies [24S]**

An upper level seminar. Topics vary from year to year depending on instructor. Prerequisite: WGS160Y1, one full course at THE 300+ level in WGS, and one half course in WGS. Distribution Requirement Status: Humanities Breadth Requirement: None

## **WGS440H1 Post-Colonial Cyborgs for Planetary Futures [24L]**

Drawing together film, fiction, and theory this course invites students to explore ways of imagining other worlds. From afro-futurism to planetary humanism, from cyborgs to hauntings, from science fiction fantasies to the politics of aliens, the course examines and produces feminist, postcolonial, anti-racist, and queer visions of other worlds. Prerequisite: WGS160Y1, one full course at the 300+ level in WGS, and one half course in WGS. Distribution Requirement Status: Humanities Breadth Requirement: Creative and Cultural Representations (1)

## **WGS450H1 Modernity, Freedom, Citizenship: Gender and the Black Diaspora [24L]**

Explores transnational feminist genealogies of the black diaspora. The course pays attention to the contexts and movements that generated key questions, exploring how these interventions disclose preoccupations with modernity, freedom and citizenship. Topics may include trauma and memory, sexual citizenship, Afrofuturism, indigeneity, and the crafting of political communities. Prerequisite: WGS160Y1, one full course at the 300+ level in WGS, and one half course in WGS. Exclusion: WGS434H1 Black Diasporic Feminisms: Modernity, Freedom, Citizenship Distribution Requirement Status: Humanities or Social Science Breadth Requirement: Thought, Belief and Behaviour (2)

## **WGS451H1 Independent Study in Women and Gender Studies Issues [TBA]**

Under supervision, students pursue topics in Women and Gender Studies not currently part of the curriculum. Not eligible for CR/NCR option. Prerequisite: Permission of the Undergraduate Coordinator, Women and Gender Studies Program. Distribution Requirement Status: Humanities Breadth Requirement: None

## **WGS460Y1 Honours Seminar [24S]**

Supervised undergraduate thesis project undertaken in the final year of study. Students attend a bi-weekly seminar to discuss research strategies, analytics, methods and findings. A required course for Specialist students. Not eligible for CR/NCR option. Prerequisite: WGS160Y1, one full course at the 300+ level in WGS, and one half course in WGS. Distribution Requirement Status: Humanities or Social Science Breadth Requirement: None

## **WGS461Y1 Advanced Topics in Women and Gender Studies [48S]**

An upper level seminar. Topics vary from year to year depending on the instructor. Prerequisite: WGS160Y1, one full course at the 300+ level in WGS, and one half course in WGS. Distribution Requirement Status: Humanities Breadth Requirement: None

# Women and Gender Studies

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## **WGS462H1 Advanced Topics in Gender and History [24S]**

An upper-level seminar. Topics vary from year to year depending on instructor.

Prerequisite: WGS160Y1, one full course at the 300+ level in WGS, and one half course in WGS.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **WGS463H1 Advanced Topics in Gender Theory [24S]**

Senior students may pursue more advanced study in feminist theory.

Topics vary from year to year depending on instructor.

Prerequisite: WGS160Y1, one full course at the 300+ level in WGS, and one half course in WGS.

Distribution Requirement Status: Humanities

Breadth Requirement: None

## **WGS465H1 Special Topics in Gender and the Law [24S]**

Senior students may pursue advanced study in gender and law. Topics vary from year to year.

Prerequisite: WGS160Y1, WGS365H1, one half course at the 300+ level in WGS, and one half course in WGS

Distribution Requirement Status: Humanities or Social Science

Breadth Requirement: Society and its Institutions (3)

## **WGS470Y1 Community Engagement [48S]**

The application of theoretical study to practical community experience.

Advanced Women and Gender Studies students have the opportunity to apply knowledge acquired in the Women and Gender Studies curriculum through a practicum placement within a community organization. Not eligible for CR/NCR option.

Prerequisite: WGS160Y1, one full course at the 300+ level in WGS, and one half course in WGS.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

## Faculty

### Associate Professors, Teaching Stream

W.B. MacDonald, BA, MA  
T. Moritz, MA, Ph D  
J.B. Rose, BA, MA  
T.P. Socknat, MA, Ph D

### Assistant Professor, Teaching Stream

B. Fischer, MA, Ph D

## Woodsworth College

Woodsworth College is named in honour of James Shaver Woodsworth (1874-1942), minister, pacifist, social activist and Member of Parliament, who was strongly committed to broadening educational opportunities for all. The College traces its roots to 1905, when a part-time program leading to the Bachelor of Arts degree was established at the University of Toronto. In 1920 the Department of University Extension was organized to offer credit and non-credit courses. Woodsworth College was formally constituted in 1974 to offer credit courses primarily for part-time students in a number of faculties. In 1999 the College opened its doors to students proceeding directly from high school to full-time studies. Woodsworth College is now home to nearly 6000 students who enrol in the full range of Arts and Science courses and programs leading to Bachelor of Arts, Science or Commerce degrees.

Woodsworth College offers an exceptional range of programs for current students as well as for those seeking post-graduate opportunities. Woodsworth College is the home of Woodsworth One, First-Year Seminars, the Summer Abroad, TESOL Certificate and THE500 programs. Woodsworth College is also the home of two major access programs: The Millie Rotman Shime Academic Bridging Program and the Diploma to Degree Facilitated Transfer Program.

A special feature of Woodsworth College is the outstanding academic support it provides to students. These services include academic counseling, financial aid, study skills seminars, mentoring programs, the Academic Writing and Math Aid Centres, and a Learning Strategist.

Woodsworth College  
119 St. George Street  
Toronto ON M5S 1A9  
www.wdw.utoronto.ca



## Centres Affiliated with Woodsworth College

In 2013, the undergraduate Criminology and Employment Relations programs became integrated with the graduate programs at the Centre for Criminology and Sociolegal Studies and the Centre for Industrial Relations and Human Resources respectively. The continuing relationship between the Centres and Woodsworth College helps to foster ongoing academic excellence for program students as they continue to benefit from the rich academic support services and facilities available at the College. Woodsworth College remains the home of the Undergraduate Program Office and the Criminology and Sociolegal Studies and Employment Relations undergraduate students' associations.

### Centre for Criminology & Sociolegal Studies

The undergraduate Criminology and Sociolegal Studies program incorporates theory, research methods, and knowledge from a wide range of other disciplines such as history, political science, philosophy, sociology, psychology, law and economics. The program provides students with a sound foundation for the understanding of crime and the administration of justice in Canada and abroad, and, more generally, the processes of social order and disorder. Most students combine their studies in Criminology and Sociolegal Studies with programs in Political Science, Psychology or Sociology.

Program Office | Woodsworth College  
119 St. George Street - Room 236 | Toronto ON M5S 1A9  
crim@utoronto.ca  
www.wdw.utoronto.ca

### Centre for Industrial Relations & Human Resources

The overarching goal of the undergraduate program in Employment Relations is to offer an interdisciplinary learning opportunity in which to study the employment relationship in a Canadian and global context from the perspectives of economics, history, law, management, political science and sociology. The program provides students with a theoretical background and knowledge of current developments in the field of work and employment that will serve as a basis for careers in government, the trade union movement and the corporate sector. Typical jobs include such roles as a Human Resources Generalist, Recruitment Specialist, Employment Equity Officer, Training and Development Consultant, Corporate Trainer, Labour Policy Advisor, Trade Union Officer and Labour Relations Specialist.

Program Office | Woodsworth College  
119 St. George Street - Room 236 | Toronto ON M5S 1A9  
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## Woodsworth College Programs

Listed in this order:

Woodsworth One  
First-Year Seminars  
Summer Abroad Programs  
Millie Rotman Shime Academic Bridging Program  
Diploma to Degree

Followed by Woodsworth College Courses:

Woodsworth One  
First-Year Seminars  
Study of Popular Culture  
Summer Abroad

### Woodsworth One

Woodsworth One offers first-year students an intellectually challenging introduction to university-level studies, and builds students' sense of community within Woodsworth College and across the University of Toronto as a whole. It is designed to complement other first-year courses, thereby enhancing academic success in the first year and beyond. Woodsworth One promotes the development of strong critical thinking, information literacy, oral and written communication skills, and awareness of both the distinctive nature of particular academic disciplines and the practices and values common to all academic work.

Students take two half-credit seminars—one in each term—and participate in weekly co-curricular activities. Seminars are capped at 25 students to maximize opportunities for participation and to promote close

contact with both the instructor and fellow students. The emphasis is on class discussion and problem-based learning. Students participate in role-playing games, simulations, debates and more. The co-curricular activities include field trips, film screenings, guest speakers, writing and research workshops, and test-taking seminars.

Woodsworth One has two streams, both of which take an interdisciplinary approach to their topics, drawing on a wide range of Social Sciences and Humanities perspectives. The Order and Disorder stream focuses on the role of laws, values, government policies, trade, and innovation in creating and disrupting both social and global order. The Popular Culture Today stream examines the products of the entertainment industry and the social behaviours associated with their consumption, exploring how popular culture works and what it means.

The Woodsworth One team is dedicated to supporting students' transition to university life, and to guiding their academic planning. In addition to the Program Coordinator, course instructors, and teaching assistants, the team includes the College Writing Centre, the College Learning Strategist, a dedicated Registrar, a program administrator, and student mentors. Each member of the team seeks to create a strong sense of community and to set students up for academic success.

Woodsworth One is geared towards first-year students enrolled in Social Sciences and Humanities within the Faculty of Arts and Sciences. In keeping with Woodsworth College's tradition of open access, there is no incoming grade requirement. Applicants must submit an application that is available on our website.

Students participating in any other One program are excluded from Woodsworth One.

Woodsworth Annex  
123 St. George Street - Room 308 | Toronto ON M5S 1A9  
one.wdw@utoronto.ca  
wdw.utoronto.ca/wdwone

## First-Year Seminars

The 199Y1 and 199H1 seminars are designed to provide first-year students with the opportunity to work closely with an instructor in a class of no more than twenty-four students. Each Seminar focuses on specific disciplinary or interdisciplinary issues, questions or controversies of particular interest to the instructor, and introduces the students to the excitement of discovery inherent in academic work at the University of Toronto. In addition, students are encouraged to develop their ability to think analytically and to express ideas and logical arguments clearly and coherently, both orally and in writing.

Enquiries:  
www.wdw.utoronto.ca  
www.artsci.utoronto.ca

## Summer Abroad Programs

Students can prepare themselves for a future in the global village by participating in a Summer Abroad program and complete a University of Toronto course overseas in three to six weeks. These programs are designed to enrich students' academic lives by providing an exciting and educational international experience. Learning is not limited to the classroom; students will observe and experience many of the things they study, including the language, history, culture, art, religion, business, and politics of the host country.

Woodsworth College  
119 St. George Street - 3rd floor | Toronto ON M5S 1A9

summer.abroad@utoronto.ca  
www.wdw.utoronto.ca

## Millie Rotman Shime Academic Bridging Program

The Academic Bridging Program is designed for individuals who have been away from formal education for some time and do not meet the University's established requirements for direct entry admission. These courses are intended to help ease the transition into first-year university courses in Humanities and Social Sciences after time away from prior education. Both part-time and full-time options are available to students. Students who successfully complete the Academic Bridging Program, earning a grade of 63% or above, are admitted to the Faculty of Arts and Science at the University of Toronto, with one full credit towards their degree for those who complete the part-time Academic Bridging Program. Students who complete the full-time program may transfer up to two full credits towards their degree.

Woodsworth College  
119 St. George Street - Room 220 | Toronto ON M5S 1A9  
416-978-4444  
academic.bridging@utoronto.ca  
[http://www.wdw.utoronto.ca/index.php/programs/academic\\_bridging/overview/](http://www.wdw.utoronto.ca/index.php/programs/academic_bridging/overview/)

## Diploma to Degree

The Diploma to Degree program is a pathway to university studies for students attending a two-year liberal arts diploma at one of our partner institutions, including George Brown College, Humber College and Seneca College.

The Diploma to Degree Program is a facilitated transfer program into Woodsworth College in the Faculty of Arts and Science at the University of Toronto. The program is designed for students to transfer into programs in the social sciences and humanities with up to 6 transfer credits and retained credits from courses completed at the University of Toronto as a visiting student.

To be eligible for transfer, students must:

- Complete the 2-year diploma with a minimum 3.0 GPA
- Receive a recommendation from your college
- Have a minimum grade of 60% in a qualifying course at the University of Toronto.

Enquiries:  
diplomatodegree@utoronto.ca  
www.uoft.me/D2D

## Woodsworth College Courses

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### Woodsworth One

**WDW151H1 Order and Disorder I: Issues and Perspectives [16T/24S]**

Societies require law and order, but at what point does order become oppression? How do we balance our need for freedom and society's need for order? This interdisciplinary seminar allows students to explore these and related questions through selected readings introducing theories from sociology, political science, philosophy, and history. Not eligible for CR/NCR option.

Prerequisite: Admission to Woodsworth One

Exclusion: INI One, MUN One, NEW One, SMC One, TRN One, UNI One, VIC One

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**WDW152H1 Order and Disorder II: Problems and Solutions [16T/24S]**

Building on the questions and theoretical perspectives discussed in WDW151H1, this interdisciplinary seminar introduces students to some of the methods used by scholars and researchers in sociology, political science, philosophy, and history to develop, test, and debate possible solutions to the problems of social order and disorder. Not eligible for CR/NCR option.

Prerequisite: WDW151H1 or permission of the Woodsworth One Program Coordinator

Exclusion: INI One, MUN One, NEW One, SMC One, TRN One, UNI One, VIC One

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3)

**WDW153H1 Popular Culture Today I: Issues and Perspectives [16T/24S]**

Popular culture, which might best be defined as culture about everyone, by everyone, and for everyone, is an increasingly important part of life. This interdisciplinary seminar examines from multiple perspectives its impact as art movement, agent of social change, and universal language of the digital age. Not eligible for CR/NCR option.

Prerequisite: Admission to the Woodsworth One Program.

Exclusion: INI One, MUN One, NEW One, SMC One, TRN One, UNI One, VIC One

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**WDW154H1 Popular Culture Today II: Special Topics [16T/24S]**

20171 Topic: Protest and Popular Culture

Building on the general introduction to the subject provided by WDW153H1, this interdisciplinary seminar examines one major area of popular culture in greater depth: popular music, genre fiction, online culture, etc. The focus will be different each year, and in some years more than one option may be available. Not eligible for CR/NCR option.

Prerequisite: WDW153H1 or permission of the Woodsworth One Program Coordinator

Exclusion: INI One, MUN One, NEW One, SMC One, TRN One, UNI One, VIC One

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

**First-Year Seminars**

The Faculty of Arts & Science first-year seminars enable new students to engage in academically rigorous discussions and develop strong written, oral, and teamwork skills in the process. Small classes help ensure that all students are active participants in discussions. Courses are restricted to first year degree students in the Faculty of Arts and Science, St. George campus. Arts and Science students who have completed fewer than four credits are also eligible to enrol in these courses. The following

courses are sponsored by Woodsworth College in 2016-17.

**CCR199H1 Jane Austen's Pride and Prejudice in Her Time and Ours**

*Pride and Prejudice*, Jane Austen's 1813 novel about spirited Elizabeth Bennet and forbidding Mr. Darcy, has been admired by critics and readers since its publication. The novel rewards study both for its own sake—a model of English prose fiction and a revealing image of England on the threshold of modernity—and for what its contemporary popularity reveals about our time, which has witnessed an outpouring of retellings and adaptations of the novel since a highly successful 1995 BBC television production starring Jennifer Ehle and Colin Firth. The principal question explored in the seminar is the extent to which Austen's original story survives in contemporary versions. Works studied will include Austen's *Pride and Prejudice*, screen adaptations of the novel, and text and screen works based on *Pride and Prejudice*, including Bridget Jones's Diary.

Breadth category: 1 Creative and Cultural Representations

**CCR199Y1 Fatal Attraction: The Lure of Villains (and now Vampires!) in Literature**

Why is it that literary villains and vampires such as Satan, Iago, Heathcliff, Dexter, and Dracula get all the best lines? Villains and vampires are usually intelligent, devious, scheming, and nefarious, often eloquent or even charismatic. The defining characteristic of many of these characters is that they know they are villains and are often proud of it, yet as Tillyard comments "to be greatly bad, a man [or woman] must have correspondingly great potentialities for good." Villains and vampires are not only compelling as fictional characters, but their wrongdoings often begin and drive the plot. In this course, we will examine some remarkable villains and vampires, including some female characters, selected from literature. After identifying some archetypal characters and themes, students will observe how villains have been reshaped over the centuries and what role women play in the villainous impulse. Films will be integrated with written texts where appropriate. This seminar will assist students to develop skills in critical reading and thinking, academic writing, and seminar presentations. Evaluation will be based on reading response entries and a final analysis assignment, two in-class identification tests, one group presentation, and class participation.

Breadth category: 1 Creative and Cultural Representations

**CCR199H1S Roll Over, Beethoven: The Experience of Music in the Age of Recording**

The invention of recording in the late 19<sup>th</sup> century caused profound changes in the world of music, changes so fundamental that we can easily overlook them today. Before recording, listening to music was always social, requiring the presence of other people playing and singing; now, in Robert Philip's words, "most of the music we hear comes out of black boxes." How has recording technology affected the experience and meaning of music? How has it changed the form of music and the way(s) it is made? What other economic, social, and ideological forces influence the modern musical scene and shape our tastes as listeners?

In this course, we will explore these questions from an interdisciplinary perspective, drawing on selected readings from media theory, music criticism, and studies of the music industry.

Breadth category: 1 Creative and Cultural Representations

**The Study of Popular Culture**

Woodsworth College is offering a new 200Y-level course this year that will provide an introductory overview of the field of popular culture studies. The study of popular culture has become a significant interdisciplinary field in recent decades, a maturity marked by the establishment of national and international scholarly associations, conferences, peer-reviewed journals, and a substantial and growing body of published research. While the course will be available to all students in the Faculty of Arts and Science it may be of special interest to those who are pursuing studies in English, Sociology, Anthropology, History,

# Woodsworth College

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East Asian Studies, American Studies, Canadian Studies, Cinema Studies, and Book & Media Studies.

## **WDW241Y1 Introduction to the Study of Popular Culture [48L]**

An overview of the major theoretical perspectives on popular culture, focused on developing critical tools for analyzing and evaluating its major forms both as distinctive cultural artifacts and as social phenomena.

Students will draw on their own experiences with popular culture while engaging with a wide range of critical sources.

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1) + Society and its Institutions (3)

## **2016 Summer Abroad Courses**

The 2017 timetable will be published on the Summer Abroad website in January 2017.

### **Australia**

ENV396Y Special Topics: Australian Environment, Wildlife & Conservation

### **Central Europe**

HIS367Y Topics in History: The City in Central Europe: Imperial Past, Imperial Aspirations, Wars & Revolutions

RSM395Y Special Topics: Strategy in the European Context

### **China**

CIN376Y Chinese Cinemas (Hong Kong)

EAS395Y Selected Topics in East Asian Studies: Leadership & Governance (Hong Kong)

HIS385Y The History of Hong Kong (Hong Kong)

HMB396Y International Research Project in Human Biology (Science Abroad: China and Taiwan)

JPA376Y Transforming Global Politics: Comparative and Chinese Perspectives (Shanghai)

RLG290Y Special Topics: Religion in Hong Kong (Hong Kong)

RSM295Y Special Topics: History and Design of Financial Institutions (Hong Kong)

RSM295Y Special Topics: International Management (Hong Kong)

SOC393Y Selected Topics in Sociological Research: Contemporary Chinese Society (Beijing)

### **Ecuador**

ENV395Y Special Topics Field Course: Ecology and Conservation in the Amazon, Galápagos, and Andes

### **England**

CRI389Y Topics in Criminology & Sociolegal Studies: Rights, Freedoms & Responsibilities in Criminal Law

ENG220Y Shakespeare

HPS300Y Topics in History and Philosophy of Science and Technology: Britain and the Rise of Modern Science

POL380Y Topics in International Politics: Human Rights & International Relations

PSY306Y Special Topics: Disability: Culture and Inclusion

### **France**

FSL\*\*\*Y French language courses (various levels)

HIS357Y A Social History of Renaissance Europe

### **Germany**

CSC396Y Designing Systems for Real-World Problems

GER354Y Berlin Between East and West

POL300Y Contested Boundaries: Immigration, Citizenship and

Multiculturalism in Germany and Europe

### **Greece**

POL300Y Modern Greece, The Balkans and the European Union

### **Hungary**

CHM396Y Research Topic Abroad (Science Abroad)

### **Italy**

ANT396Y Special Topics: Italian Regional Foodways and Culture

FAH394Y Studies Abroad in Modern and Contemporary Art and Architecture

IRE332Y Special Topics: Cross Cultural Perspectives on Leadership

ITA102Y Practical Italian

ITA358/359Y Modern Italian Culture

RSM295Y Special Topics: History and Design of Financial Institutions

SOC250Y Sociology of Religion

### **Japan**

EAS\*\*\*Y Japanese language courses at various levels

### **Peru**

ANT395Y Special Topics: Field Archaeology

### **South Africa**

RSM395Y Special Topics: Inclusive Consulting with Micro-Enterprises

### **South Korea**

RSM395Y Special Topics: Understanding Global Organizations

### **Spain**

SPA100Y Spanish for Beginners

SPA255Y Introduction to the Hispanic World

### **Switzerland**

PHY396Y Research Topic Abroad (Science Abroad)

### **United Arab Emirates**

RSM295Y Special Topics: International Management and Financial Accounting

## **Other Woodsworth Courses**

### **WDW295Y0 Special Topics Abroad [48L]**

Course description varies each year. Please see the Summer Abroad website for course details. Not eligible for CR/NCR.

Exclusion: RSM295Y0

Distribution Requirement Status: TBA

Breadth Requirement: TBA

### **WDW299Y1 Research Opportunity Program**

Not offered in 2016-17. Credit course for supervised participation in faculty research project. Details at <http://www.artsci.utoronto.ca/current/course/rop>. Not eligible for CR/NCR option.

Distribution Requirement Status: Social Science

Breadth Requirement: None



## Writing in Arts and Science

The ability to think critically and to write well-organized, clear, grammatical prose is important to your work in Arts and Science courses. It will also improve your chances if you apply to graduate or professional schools and will give you an advantage in the workplace. To help you develop your writing skills, Arts and Science provides a range of instructional resources.

NOTE: For courses in creative writing, see entries under “English” (ENG), “Innis College” (INI), and “Victoria” (VIC) in this Calendar.

### Courses

Departments and programs integrate writing instruction into many of their courses, and some offer courses that concentrate on communication in their disciplines. Check the course listings by department.

Your course instructors and teaching assistants will provide guidelines for written assignments. They will often offer instruction in class and give you the opportunity to ask questions before assignments are due. You may ask them to discuss work that has been graded and returned to you.

In addition, the university offers several courses in writing non-fiction prose:

- ENG100H1 (Effective Writing) is listed under “English” in this Calendar
- JEI206H1 (Writing English Essays) is listed under “English” and “Innis College”
- TRN190Y1 (Critical Reading and Critical Writing) is listed under “Trinity College”

Innis College offers a minor program called Writing and Rhetoric. Its offerings for 2016-17 include the following courses, all listed under “Innis College”: INI103H1 (Writing Essays), INI203Y1 (Foundations of Written Discourse), INI204Y1 (The Academic Writing Process), INI300H1 (Strategic Writing in Business and the Professions: Theory and Practice), INI302H1 (Writing in Business and the Professions for Rotman Commerce students), INI 305H1 (Word and Image in Modern Writing), INI310H1 (Editing), INI311Y1 (Seminar in Creative Writing).

Victoria College offers a new minor program called Creative Expression and Society. Its offerings for 2016-17 include the following writing-related courses, all listed under “Victoria College”: VIC271H1 (Reading the Wild), VIC275H1 (Creative Writing: Short Fiction), VIC279H1 (Creative Non-Fiction), VIC280H1 (Creative Writing: Poetry), VIC352Y1 (Love, Sex and Death in Short Fiction), VIC479Y1 (The Novel: A Master Class), and VIC480H1 (Poetry: A Master Class).

The University of Toronto at Mississauga (UTM) offers a major and minor program in Professional Writing and Communication. Consult with your college registrar about taking courses at UTM, and see the UTM calendar for more detail about courses offered.

### English Language Learning Opportunities

The English Language Learning (ELL) Program offers undergraduates in Arts and Science a variety of ways to develop both oral and written communication. For its intensive non-credit summer course, see the entry for ELL010H1, Intensive Academic English, listed under “English Language Learning” in the calendar. During the fall and winter terms, programming includes free drop-in workshops using a variety of interesting activities to improve speaking, and also an online component for improving academic reading and writing.

### Writing Centres

The writing centres at undergraduate colleges will help you develop the writing and critical thinking skills you need throughout your university

studies. They offer, free of charge, both group and individual instruction.

Group instruction is offered through both in-course instruction and a series of workshops called Writing Plus. These intensive group workshops help prepare you to meet the expectations of university writing. They cover all stages of writing university papers, from understanding the assignment to revising the final draft. They also provide targeted advice for handling your reading load and the challenges of studying for tests and exams. Special sessions focus on writing admissions statements for graduate and professional programs. Dates and locations are listed online in the Writing Plus section of [www.writing.utoronto.ca](http://www.writing.utoronto.ca).

In individual consultations, trained writing instructors help you improve your ability to plan, write, and revise, focussing on course writing assignments of your choice. Instructors are familiar with writing conventions in the whole range of Arts and Science courses; many have specialized training in teaching students whose first language is not English. You are entitled to use the writing centre of the college where you are registered. Most colleges also allow students from other colleges to book appointments for writing assignments in a college program course. All the college writing centres use an online booking system that requires your UTORid for login. More information is available in the Writing Centres section of [www.writing.utoronto.ca](http://www.writing.utoronto.ca). Here is a list of Arts and Science writing centres.

- French Department Writing Labs: ask your professor or inquire at 416-926-2302
- Innis College Writing Centre, Room 322
- New College Writing Centre, Wilson Hall, Rooms 2045 and 2047
- Philosophy Department Writing Clinic, Jackman Humanities Building, Room 422.
- St. Michael's College Writing Centre, Kelly Library, Learning Commons
- Trinity College Writing Centre, Larkin Building, Room 302
- University College Writing Centre, Laidlaw Library, Rooms 214, 216, and 218
- Victoria College Writing Centre, Northrop Frye Hall, Rooms 103A and 103B
- Woodsworth College Academic Writing Centre, Room 214

### Writing Resources

Campus libraries stock many reference guides for academic writing, some of them online. You will find both general handbooks on style and referencing, and guides on writing in specific disciplines. You can also consult the Advice section of the website Writing at the University of Toronto at [www.writing.utoronto.ca](http://www.writing.utoronto.ca). It contains short files addressing common issues in academic writing along with links to other useful online and print resources.

## Message from the Dean

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### Message from the Dean

Welcome to the 2016-2017 academic year.

The Faculty of Arts & Science Calendar is your guide to the wide range of academic choices available to you. With over 300 undergraduate programs and 4,000 courses to choose from, you have a chance to pursue what you've always wanted to study as well as discover new interests. As a student in Arts & Science, you have the flexibility to assemble your degree the way you want –combine different subjects by doing majors and minors, or focus on a specific area by completing a specialist program. In addition, the Faculty's Foundational Year, Research Opportunities and Summer Abroad Programs provide our students unique learning experiences at different stages of their degree. While such choice is exciting, it can also be somewhat overwhelming! Please remember that there are many people who work in Arts & Science whose job it is to help you select your courses and programs based on your interests and goals. Your first stop for such advice is always your college registrar's office and I encourage you to take advantage of their expertise.

Besides the supports and services available at your College, the Faculty and the University at large, you have access to a number of online tools to help you succeed. Use Degree Explorer ([degreeexplorer.utoronto.ca](http://degreeexplorer.utoronto.ca)) to check your academic progress and plan your future course choices. Access past sessions' course evaluation results on BlackBoard ([portal.utoronto.ca](http://portal.utoronto.ca)) and find out what other students had to say about these courses. Of course, whether you are in first or fourth year, there's more to life as a student than your courses. You can explore the variety of ways to get involved outside the classroom on the Co-Curricular Record database ([ccr.utoronto.ca](http://ccr.utoronto.ca)). We wish you all the best for the year and as always, we welcome your feedback and suggestions about what we can do to improve your experience as a student in Arts & Science. Just email us at [ask.artsci@utoronto.ca](mailto:ask.artsci@utoronto.ca).

Sincerely,

David Cameron, FRSC

Dean & Professor of Political Science

## Important Notices

The undergraduate academic Calendar of the Faculty of Arts & Science is published online only. Any corrections and/or updates will be posted here. Students are strongly advised to check the Calendar regularly to keep informed of changes.

While Departmental counsellors and the Registrars of the Colleges are always available to give advice and guidance, it must be clearly understood that THE ULTIMATE RESPONSIBILITY RESTS WITH THE STUDENT for completeness and correctness of course selection, for compliance with prerequisite, co-requisite requirements, etc., for completion of Program details, for proper observance of the Breadth or Distribution Requirement and for observance of regulations, deadlines, etc.

Students are responsible for seeking guidance from a responsible officer if they are in any doubt; misunderstanding, or advice received from another student will not be accepted as cause for dispensation from any regulation, deadline, program or degree requirement.

### Degrees Offered on the St. George Campus

Effective for students registering in a degree program in the Faculty for the first time in the 2001 summer session or later, ONLY 20-course (four-year) Honours B.A., B.Sc. and BCom degrees will be available. The St. George Campus of the Faculty of Arts and Science has discontinued the 15-course (three-year) B.A. and B.Sc. degrees. Students registered in a degree program in the Faculty before the 2001 summer session may still choose a 15-course (three-year) degree.

### Changes in Programs of Study and/or Courses

The programs of study that our Calendar lists and describes are available for the year(s) to which the Calendar applies. They may not necessarily be available in later years or offered in all years. If the University or the Faculty must change the content of programs of study or withdraw them, all reasonable possible advance notice and alternative instruction will be given. The University will not, however, be liable for any loss, damages, or other expenses that such changes might cause.

For each program of study offered by the University through the Faculty, the courses necessary to complete the minimum requirements of the program will be made available annually. We must, however, reserve the right otherwise to change the content of courses, instructors and instructional assignments, enrolment limitations, pre-requisites and co-requisites, grading policies, requirements for promotion and timetables without prior notice.

### Regulations and Policies

As members of the University of Toronto community, students assume certain responsibilities and are guaranteed certain rights and freedoms.

The University has several policies that are approved by the Governing Council and which apply to all students. Each student must become familiar with these policies. The University will assume that he or she has done so. The rules and regulations of the Faculty are listed in this Calendar. In applying to the Faculty, the student assumes certain responsibilities to the University and the Faculty and, if admitted and registered, shall be subject to all rules, regulations and policies cited in the Calendar, as amended from time to time.

All institution-wide University policies can be found at:  
[http://www.governingcouncil.utoronto.ca/Governing\\_Council/policies.htm](http://www.governingcouncil.utoronto.ca/Governing_Council/policies.htm)

Those which are of particular importance to students are:

- Code of Behaviour on Academic Matters
- Code of Student Conduct

- University Assessment and Grading Practices Policy
- Policy on Official Correspondence with Students

More information about students' rights and responsibilities can be found at <http://life.utoronto.ca/get-help/rights-responsibilities/>

### Enrolment Limitations

The University makes every reasonable effort to plan and control enrolment to ensure that all of our students are qualified to complete the programs to which they are admitted, and to strike a practicable balance between enrolment and available instructional resources. Sometimes such a balance cannot be struck and the number of qualified students exceeds the instructional resources that we can reasonably make available while at the same time maintaining the quality of instruction. In such cases, we must reserve the right to limit enrolment in the programs, courses, or sections listed in the calendar, and to withdraw courses or sections for which enrolment or resources are insufficient. The University will not be liable for any loss, damages, or other expenses that such limitations or withdrawals might cause.

### Copyright in Instructional Settings

If a student wishes to tape-record, photograph, video-record or otherwise reproduce lecture presentations, course notes or other similar materials provided by instructors, he or she must obtain the instructor's written consent beforehand. Otherwise all such reproduction is an infringement of copyright and is absolutely prohibited.

Note that where such permission is granted by the instructor, materials reproduced are for the student's individual private use only, not for further reproduction or publication.

In the case of private use by students with disabilities, the instructor's consent will not be unreasonably withheld.

### Person I.D. (Student Number)

Each student at the University is assigned a unique identification number. The number is confidential. The University strictly controls access to Person I.D. numbers. The University assumes and expects that students will protect the confidentiality of their Person I.D.'s.

### Fees and Other Charges

The University reserves the right to alter the fees and other charges described in the Calendar.

### Notice of Collection of Personal Information: Freedom of Information and Privacy Act

The University of Toronto respects your privacy.

Personal information that you provide to the University is collected pursuant to section 2(14) of the University of Toronto Act, 1971.

It is collected for the purpose of administering admissions, registration, academic programs, university-related student activities, activities of student societies, safety, financial assistance and awards, graduation and university advancement, and reporting to government.

The University is also required to report student-level enrolment-related data to the Ministry of Training, Colleges and Universities as a condition of its receipt of operating grant funding. The Ministry collects this enrolment data, which includes limited personal information such as Ontario Education Numbers, student characteristics and educational outcomes, in order to administer government postsecondary funding, policies and programs, including planning, evaluation and monitoring activities.

## Important Notices

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At all times it will be protected in accordance with the Freedom of Information and Protection of Privacy Act. If you have questions, please refer to [www.utoronto.ca/privacy](http://www.utoronto.ca/privacy) or contact the University Freedom of Information and Protection of Privacy Coordinator at McMurrich Building, room 104, 12 Queen's Park Crescent West, Toronto, ON, M5S 1A8.

## Admission to the Faculty

Detailed admission requirements are contained in the University of Toronto Undergraduate Admissions Bulletin, which is available on the Enrolment Services web site, on the University's web site for future students, or through the Faculty of Arts & Science Student Recruitment Office.

### Enrolment Services

University of Toronto,  
172 St. George St.  
Toronto, Ontario, Canada  
M5R 0A3  
416-978-2190  
www.adm.utoronto.ca

### Arts & Science Student Recruitment Office

100 St. George St., Room 1046  
Toronto, Ontario, Canada  
M5S 3G3  
416-978-4272  
www.artsci.utoronto.ca/futurestudents

## Minimum Admission Requirements

The Faculty of Arts & Science is home to a rich and varied student body. Although most of our students are from Southern Ontario, we have students from every province of Canada and from over 90 foreign countries. We encourage application by qualified students from outside Ontario and outside Canada. Detailed information about admission requirements is available on the Enrolment Services web site ([www.adm.utoronto.ca](http://www.adm.utoronto.ca)). The specific average or standing required for admission varies from year to year.

### English Facility Requirement

Applicants whose first language (language learned at home as a child) is not English may have to present proof of English facility. For details, see the Enrolment Services web site.

## Other Admission Categories

### Admission with Transfer Credit

Candidates with acceptable standing at other universities, or at other divisions of this University, may be considered for admission with transfer credit provided that the content of the studies for which credit is sought is considered appropriate for inclusion in a degree program offered by the Faculty. Transfer credits are assessed after admission once the student has completed the online application and paid the assessment fee. Students who have completed more than two years of study at a recognized university cannot transfer into the same field of study and will be considered as equivalent to those who already hold a degree. Students who have completed a bachelor's degree: see section entitled "Admission of External Students to a Second Degree Program" in the next section. The Faculty grants up to a maximum of five credits to candidates who have completed a three-year diploma at Ontario Colleges of Applied Arts and Technology/Institutes of Technology and Advanced Learning, and up to a maximum of three generic credits to

candidates who have completed a two-year diploma at Ontario Colleges of Applied Arts and Technology/Institutes of Technology and Advanced Learning. Otherwise a maximum of ten transfer credits may be granted for previous study. Students who have completed post-secondary studies are required to apply for on-admission transfer credit.

Regardless of the number of transfer credits granted, at least five of the six 300+ series courses required for an Honours degree must be completed with a passing mark in this Faculty. Newly admitted students have one year from the date of their transfer credit assessment, or from the date of their first registration in the Faculty, whichever is later, to request a reassessment or adjustment. The same time limit applies to all departmental interviews required as part of the transfer credit assessment.

Candidates who have completed Arts & Science courses while enrolled in other Divisions of this University or while enrolled as non-degree students in this Faculty prior to degree studies will normally have these courses and grades included in the Arts & Science academic record. Business rules apply.

### Admission from the University of Toronto Mississauga and the University of Toronto Scarborough

Candidates admitted for transfer from the University of Toronto Mississauga and the University of Toronto Scarborough will have all University of Toronto Mississauga or University of Toronto Scarborough courses, grades, Credit/No Credit requests, LWD requests, and grades included in their Arts & Science academic record, and will have Faculty rules and regulations applied to these; e.g., academic status, degree regulations, Dean's List. Note: a limit of six 100-level/A-level credits is applied. All 300+ level credits may apply to the 6.0 requirement for the degree in the Faculty of Arts & Science. Students admitted to Arts & Science may not retain University of Toronto Mississauga or University of Toronto Scarborough programs, whether complete or incomplete. Only Arts & Science programs may be used to complete degree requirements in the Faculty.

Students who have completed more than 10 UTM/UTSC full course equivalents towards an Arts & Science degree are not eligible to transfer to the Faculty of Arts & Science.

### Admission "On Probation"

Candidates who fail to satisfy the Faculty's admission requirements, but successfully appeal for special consideration of the circumstances which have affected their studies at other universities, or other Faculties or Schools of this University including the University of Toronto Scarborough and the University of Toronto Mississauga, may be admitted On Probation. The academic requirements that such students must meet are the same as those required of students who encounter academic difficulties while registered in the Faculty. The academic status will be "On Probation" until the session in which the student achieves a final mark in any course (or a grade of FL% in a Pass/Fail course), at which time a further status will be assigned. Refer to Section Six, Rules and Regulations: Academic Status, in this Calendar. Students admitted On Probation may be at risk of academic suspension from the Faculty and are strongly urged to consult their college registrar for appropriate counselling before registering and if necessary, during the course of their studies.

### Admission as a Non-Degree Student

Non-degree students are registered in the Faculty but are not proceeding towards a degree offered by the Faculty. Most Non-degree students have completed a degree and are taking further courses for their own

# Admission

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purposes, including admission to graduate studies. Students admitted as degree students cannot become Non-degree students unless they have completed an Honours or Four Year degree. Note that not all privileges extended to degree students are extended to non-degree students (e.g., CR/NCR). To apply for admission as a Non-degree student, visit the Enrolment Services web site.

Students admitted as degree students and transferred to other universities should re-register at their College of last registration if they wish to return to the Faculty. The home university may still require a valid Letter of Permission in order to assess studies done at the University of Toronto for transfer credit.

## Admission of External Students to a Second Degree Program

Applicants with a Bachelor of Arts or Bachelor of Science or equivalent from another university who wish to complete a second undergraduate degree in the Faculty of Arts & Science may apply for admission to a second degree program. It is not possible to complete a second undergraduate degree in the same field as the first degree. Those who are admitted will be granted a maximum of one year of transfer credit (5 full credit courses) - four at the 100 level and one at the 200 level. Before applying, external candidates are urged to determine whether a second degree is actually required for their purposes; for example, a "make-up" year as a non-degree student may satisfy admission requirements for a graduate program. Students who have completed post-secondary studies are required to apply for on-admission transfer credit. For admission and application information, visit the Enrolment Services web site at [www.adm.utoronto.ca](http://www.adm.utoronto.ca).

## Admission as Non-Degree Visiting Students

Students with valid Letters of Permission from other accredited North American universities who have not been officially admitted to the Faculty of Arts & Science may register as visiting students at Woodsworth College, taking courses for transfer credit at their home university. Non-degree visiting student registration does not imply acceptance as either a student proceeding towards a degree or a non-degree student. Students will receive grade point averages and status as outlined in the Rules and Regulations section, and will have the consequences of these applied to them (e.g., probation and suspension for poor academic performance). Students must observe Faculty policies, including the prohibition on repeating a "passed" course. For application information and deadlines, please visit [www.wdw.utoronto.ca/visit](http://www.wdw.utoronto.ca/visit).

## Admission as International Non-Degree Visiting Summer Students

Students with valid Letters of Permission from recognized international universities who have not been officially admitted to the Faculty of Arts & Science may register as visiting students through the International Summer Program (ISP) at Woodsworth College. Students take summer courses for transfer credit at their home university. Non-degree international visiting student registration does not imply acceptance as either a student proceeding towards a degree or a non-degree student. Students will receive grade point averages and a status. Students must observe Faculty policies, including the prohibition on repeating a "passed" course. For application information and deadlines, check the International Summer Program web site at [www.isprogram.utoronto.ca](http://www.isprogram.utoronto.ca).

## Admission as Non-Matriculant Student

Candidates who do not meet the published admission requirements may qualify for various humanities and social science programs through either the Academic Bridging Program or the Transitional Year Programme.

The Academic Bridging Program is predominantly a part-time program

(with a full-time option for students who qualify) intended for Canadian citizens/permanent residents/protected persons (convention refugees) who do not hold the published admission requirements to qualify for degree studies. Detailed information, including applications and deadlines for the Academic Bridging Program is available through the Academic Bridging Program, Woodsworth College, website at [www.wdw.utoronto.ca/bridging](http://www.wdw.utoronto.ca/bridging).

Students restricted to a reduced course load on admission from the Academic Bridging Program may take no more than 2.5 courses over the Fall-Winter Sessions. They may take a maximum of 1.0 course in the Summer Session. See also Number of Courses Taken ("Course Load"). If these students wish to transfer to full-time studies, they may apply through their College Registrar after the session in which they pass the fourth course in the Faculty with a minimum cumulative Grade Point Average of 2.50. Candidates who have achieved the minimum required grade of 63% in the Bridging course for admission to the Faculty of Arts & Science may count the Bridging course towards their degree.

The Transitional Year Programme (TYP) is designed for those who could not finish high school because of financial constraints, family difficulties or other circumstances beyond their control. It is a one-year, full-time program leading toward admission into an Arts & Science degree program. Detailed information is available through [www.utoronto.ca/typ](http://www.utoronto.ca/typ).

## Admission of Senior Citizens

Canadian citizens or permanent residents of Canada who are at least sixty-five years of age by the first day of the term may register in the Faculty at Woodsworth College as part time non-degree students. They do not have to meet the academic requirements for admission. Applicants can find more information here: [uoftme.seniors](http://uoftme.seniors)

## Re-Registration in the Faculty

Students who were previously registered as degree or non-degree students in this Faculty, who have completed at least one course in the Faculty, and who wish to return after an absence must submit a "Request for Re-registration Form" (charge \$25) through their college registrar's office. Re-registration is necessary for students who have not registered in this Faculty within the previous 12 months.

Students who were previously registered in the Faculty but who did not achieve final standing (e.g. a final grade or CR/NCR) in at least one course must re-apply for admission through the Ontario Universities Application Centre.

Students with outstanding accounts may not re-register at the University until these accounts are paid. See the Office of Student Accounts website at [www.fees.utoronto.ca](http://www.fees.utoronto.ca) for payment information; for payment deadlines, check the Registration Instructions.

"Request for Re-Registration" forms should be submitted at least one week prior to the fall/winter enrolment window for your year of study (see the Registration Instructions for details). Prior to course selection you will need to make sure you are enrolled in an appropriate combination of programs for your degree. It is advisable for you to make arrangements to see a counsellor at your college to go over changes in policies and procedures as well as to clarify the degree requirements you are following.

"Request for Re-Registration" forms can be accepted until mid-August for Fall/Winter enrolment although space in courses will be limited at this point.

Students who previously studied as non-degree visiting students do not

request re-registration. They must submit a new visiting student application and valid letter of permission through Woodsworth College (see the section on “Admission as Non-Degree Visiting Students” above for details).

### **Admission to Other University of Toronto Faculties/Programs**

Many professional studies require completion of one or more years of study in Arts & Science before you apply to them. For detailed admission and contact information on professional studies, please refer to [www.artsci.utoronto.ca/futurestudents/academics/professional](http://www.artsci.utoronto.ca/futurestudents/academics/professional).

## Sessional Dates

### Sessional Dates

- 2016 Summer Session Dates
- 2016 Fall Term Dates
- 2017 Winter Term Dates

#### 2016 Summer Session

May 2016	
9	Classes begin in F and Y section code courses
12	Waiting lists for F and Y section code courses close at end of day
15	Last day to add and change meeting sections in F and Y section code courses
23	Victoria Day; University closed
June 2016	
3	Examination timetable for F section code courses posted
6	Last day to drop F section code courses from academic record and GPA. After this deadline a mark is recorded for each course, whether course work is completed or not (a 0/zero is assigned for incomplete work), and calculated into the GPA. Note that some courses cannot be cancelled using ACORN and students must contact their College or Department to do so; refer to the Registration Instructions. Last day to add or remove a CR/NCR option in F section code courses.
9-15	Arts & Science Spring Convocations <a href="http://www.convocation.utoronto.ca">www.convocation.utoronto.ca</a>
17	Classes end in F section code courses Deadline to request Late Withdrawal (LWD) from F section code courses at College Registrar's Office
20-24	Final examinations in F section code courses, deferred examinations in specified S section code courses from April 2016; term tests in Y section code courses Y section code course break (no classes)

24	Last day to file a petition regarding term work in 2016 summer session F section code courses
27	Classes begin in S section code courses and resume in Y section code courses First day to request November 2016 graduation
30	Waiting lists for S section code courses close at end of day
July 2016	
1	Canada Day; University closed
4	Last day to file a petition regarding a final examination in 2016 summer session F section code courses Last day to add and change meeting sections in S section code courses
13	Examination timetable for S and Y section code courses posted
17	Last day to drop Y section code courses from academic record and GPA. After this deadline a mark is recorded for each course, whether course work is completed or not (a 0/zero is assigned for incomplete work), and calculated into the GPA. Note that some courses cannot be cancelled using ACORN and students must contact their College or Department to do so; refer to the Registration Instructions. Last day to add or remove a CR/NCR option in Y section code courses.
25	Last day to drop S section code courses from academic record and GPA. After this deadline a mark is recorded for each course, whether course work is completed or not (a 0/zero is assigned for incomplete work), and calculated into the GPA. Note that some courses cannot be cancelled using ACORN and students must contact their College or Department to do so; refer to the Registration Instructions. Last day to add or remove a CR/NCR option in S section code courses.
August 2016	
1	Civic holiday; University closed



## Sessional Dates

8	Classes end in S and Y section code courses; deadline to request Late Withdrawal (LWD) from S and Y section code courses at College Registrar's Office Last day to request November 2016 graduation
9-15	Final examinations in S and Y section code courses, deferred examinations from April 2016, and specified courses from June 2016
15	Last date to file a petition regarding term work in 2016 summer session S or Y section code courses
22	Last date to file a petition regarding a final examination in 2016 summer session S or Y section code courses

### 2016 Fall Term

<b>August 2016</b>	
23	Tuition fee payment (or official deferral) deadline for 2016-17 Fall/Winter session
<b>September 2016</b>	
5	Labour Day; University closed
12	Classes begin in F and Y section code courses First day to request June 2017 graduation
18	Waiting lists for F and Y section code courses close at end of day
25	Last day to add and change meeting sections in F and Y section code courses Last day to enrol in programs of study for 2016-17 fall/winter
<b>October 2016</b>	
10	Thanksgiving holiday; University closed
14	Examination timetable for F section code courses posted
<b>November 2016</b>	

7	Last day to drop F section code courses from academic record and GPA. After this deadline a mark is recorded for each course, whether course work is completed or not (a 0/zero is assigned for incomplete work), and calculated into the GPA. Note that some courses cannot be cancelled using ACORN and students must contact their College or Department to do so; refer to the Registration Instructions. Last day to add or remove a CR/NCR option in F section code courses.
7-8	Fall break (no classes)
TBA	Arts & Science Fall Convocations. Please check "Ceremony Dates" at <a href="http://www.convocation.utoronto.ca">www.convocation.utoronto.ca</a> .
<b>December 2016</b>	
6	Classes end in F section code courses and in Y section code courses (for Fall session) Last day to request June 2017 graduation
7	Makeup Monday classes (at instructor's discretion) Deadline to request Late Withdrawal (LWD) from F section code courses at College Registrar's Office
8	Study break
9-20	Final examinations in F section code courses, and some deferred exams from August 2016; term tests in Y section code courses. Please note that exams may be scheduled on Saturdays.
20	Last day to file a petition regarding term work in 2016 fall session F section courses
21	Winter holidays begin; University is closed December 21, 2016 to January 1, 2017 inclusive

### 2017 Winter Term

<b>January 2017</b>	
5	Classes in S section code courses begin and resume in Y section code courses

## Sessional Dates

11	Last day to file a petition regarding a final examination in 2016 fall session F section courses
15	Waiting lists for S section code courses close at end of day
18	Last day to add and change meeting sections in S section code courses
<b>February 2017</b>	
10 (tentative)	Final Examination timetable for S and Y courses posted
20	Family Day; University closed
21	Last day to drop Y section code courses from academic record and GPA. After this deadline a mark is recorded for each course, whether course work is completed or not (a 0/zero is assigned for incomplete work), and calculated into the GPA. Note that some courses cannot be cancelled using ACORN and students must contact their College or Department to do so; refer to the Registration Instructions. Last day to add or remove a CR/NCR option in Y section code courses.
21-24	Reading Week; some deferred examinations from December 2016
<b>March 2017</b>	
13	Last day to drop S section code courses from academic record and GPA. After this deadline a mark is recorded for each course, whether course work is completed or not (a 0/zero is assigned for incomplete work), and calculated into the GPA. Note that some courses cannot be cancelled using ACORN and students must contact their College or Department to do so; refer to the Registration Instructions. Last day to add or remove a CR/NCR option in S section code courses.
<b>April 2017</b>	
5	Classes end in S and Y section code courses; deadline to request Late Withdrawal (LWD) from S and Y section code courses at College Registrar's Office
6-7	Study break

10-28	Final examinations in S and Y section code courses and some deferred examinations from December 2016. Please note that exams may be scheduled on Saturdays.
14	Good Friday; University closed
28	Last day to file a petition regarding term work for 2016-2017 fall/winter session S and Y section code courses
<b>May 2017</b>	
5	Last day to file a petition regarding a final examination for 2016-2017 fall/winter session S and Y section code courses
22	Victoria Day; University closed
<b>June 2017</b>	
TBA	Arts & Science Spring Convocation. Please check "Ceremony Dates" at <a href="http://www.convocation.utoronto.ca">www.convocation.utoronto.ca</a> .

## Academic & Personal Counselling

### The Colleges

Every Arts & Science student is a member of a college. Think of your college as your home in the familiar neighbourhood that is the university. All the colleges provide advising and support services for students. Academic advising, as well as counselling on financial and personal matters, is available through your college registrar's office. Also, each college provides its students with academic support services such as writing centres, math aid centres, libraries and computer facilities. And remember, no matter which college you belong to, you have access to all the courses and programs offered in Arts & Science.

The Registrar's Office of each student's college is the focal point for information and advice of all kinds, and should be consulted as soon as any problems of an academic or personal nature are encountered.

Students with complaints or problems relating to the teaching of courses (lectures, tutorials, evaluation, work-load, etc.) that they cannot resolve with the instructors concerned, can obtain advice and assistance either from the Associate Chair/Undergraduate Secretary of the particular Department, or from their College Registrar.

The Departments and College Program offices should be consulted for advice on courses and programs they sponsor. They also have web sites giving more details of courses and programs than is possible in the Calendar. First-year students are particularly urged to consult program sponsors during the Fall-Winter Session for details on enrolling in programs. (All students must enrol in at least one Specialist or two Majors or one Major + two Minor program(s) upon passing four courses.)

Students registered in Divisions other than Arts & Science who have problems with Arts & Science courses should go for advice either to the departmental Undergraduate Secretary or to the registrar of their own Faculty or School.

### Innis College-Office of the Registrar

2 Sussex Avenue, Toronto, ON M5S 1J5  
416-978-2513 phone/416-978-5503 fax  
registrar.innis@utoronto.ca  
innis.utoronto.ca  
www.twitter.com/innisregistrar  
Hours: Monday 9 a.m.-1 p.m., 2-6 p.m.; Tuesday 10 a.m.-1 p.m., 2-4:30 p.m., Wednesday/Thursday/Friday 9 a.m.-1 p.m., 2-4:30 p.m.

### New College-Office of the Registrar

300 Huron Street, Room 107, Toronto, ON M5S 3J6  
416-978-2460 phone/416-978-0554 fax  
newcollege.registrar@utoronto.ca  
www.newcollege.utoronto.ca  
Hours: Monday to Friday 9 a.m.-12:30 p.m., 1:30-4:30 p.m. (until 4 p.m. in July-August); Wednesday also 5-6 p.m.

### St. Michael's College-Office of the Registrar & Student Services

Room 207, 121 St. Joseph Street, Toronto, ON M5S 3C2  
416-926-7117 phone/416-926-7266 fax  
ask.smc@utoronto.ca  
stmikes.utoronto.ca  
Hours: Monday, Tuesday, Wednesday, Thursday 9:30 a.m. - 12:30 p.m.; 1:30-4:30 p.m.; Friday 9:30 a.m. - 12:30 p.m.; 1:30-4:00 p.m.

### Trinity College-Office of the Registrar

6 Hoskin Avenue, Toronto, ON M5S 1H8  
416-978-2687 phone/416-978-2831 fax

registrar@trinity.utoronto.ca  
www.trinity.utoronto.ca/registrar  
www.twitter.com/TRINRegistrar  
Hours: Monday, Wednesday, Thursday, Friday: 9 a.m.-1 p.m., 2-4:30 p.m., Tuesday: 10 a.m.-1 p.m., 2-4:30 p.m. (until 4 p.m. in July-August)

### University College-Office of the Registrar

15 King's College Circle, Rm. 157, Toronto, ON M5S 3H7  
416-978-3170 phone/416-978-6019 fax  
uc.registrar@utoronto.ca  
www.uc.utoronto.ca  
www.twitter.com/ucregistrar  
Hours: Monday to Friday: 9:30 a.m.-12:15 p.m.; 1:30-4:15 p.m.

### Victoria College-Office of the Registrar

Northrop Frye Hall, Room 106, 73 Queen's Park Crescent East, Toronto, ON M5S 1K7  
416-585-4508 phone/416-585-4459 fax  
vic.registrar@utoronto.ca  
www.vicu.utoronto.ca  
Hours: Monday, Tuesday, Thursday: 9:30 a.m. - 4:30 p.m.; Wednesday: 10:00 a.m. - 4:30 p.m.; Fridays: 9:30 a.m. - 4:00 p.m.  
Summer hours (July & August): Monday to Friday: 9:30 a.m. - 4:00 p.m.

### Woodsworth College-Office of the Registrar

119 St. George Street, Toronto, ON M5S 1A9  
416-978-4444 phone/416-978-6111 fax  
wdwregistrar@utoronto.ca  
www.wdw.utoronto.ca  
Hours: Monday, Wednesday, Thursday: 10 a.m.-5 p.m. (4:30 p.m. in July & August); Tuesday: 10 a.m.-6 p.m. (5:30 p.m. in July & August); Friday: 10 a.m.-4 p.m.

### Office of the Faculty Registrar

The Office of the Faculty Registrar works closely with departments and colleges concerning virtually all matters relating to Arts & Science students: it coordinates counselling, registration and enrolment, student records, transfer credit, petitions, final examinations and graduation. The Office of the Faculty Registrar, located in Sidney Smith Hall, 100 St. George Street, Room 1006, can provide general information about registration and enrolment, course listings, building and classroom locations, etc. It is also the location of the University of Toronto Transcript Centre, which produces transcripts for all divisions of the University.

You can also get useful information about Arts & Science from the Faculty Registrar's web site ([www.artsci.utoronto.ca/current](http://www.artsci.utoronto.ca/current)). In addition, if you have questions about any aspect of your undergraduate experience, you can e-mail the Faculty Registrar at [ask@artsci.utoronto.ca](mailto:ask@artsci.utoronto.ca).

Office of the Faculty Registrar/University of Toronto Transcript Centre

100 St. George Street, Toronto, ON M5S 3G3  
416-978-3384 phone/416-978-2487 fax  
ask@artsci.utoronto.ca  
www.artsci.utoronto.ca/current  
www.twitter.com/ArtSciRegistrar  
Hours: Monday-Friday: 8:45 a.m.-5 p.m. (until 4:30 p.m. in July-August)

## Services and Programs for Students

### Academic Support

# Student Services & Resources

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Your **college registrar** is a reliable first-stop whenever you have questions, concerns or are facing issues that are getting in the way of your success.

The **writing centres** in each of the colleges provide free individual consultations with trained writing instructors, who will help you to plan, write, and revise your essays, focussing on course writing assignments of your choice. Instructors are familiar with writing conventions in the whole range of Arts & Science courses; many have specialized training in teaching students whose first language is not English. You are entitled to use the writing centre of the college where you are registered as well as to book appointments at other colleges for help with program courses. Writing Centres also provide help with admissions letters for graduate or professional schools. [www.writing.utoronto.ca/writing-centres/arts-and-science](http://www.writing.utoronto.ca/writing-centres/arts-and-science)

**Writing Plus** is a series of group workshops covering all stages of writing university papers, from understanding the assignment to revising the final draft. Some workshops also provide targeted advice on general study skills and on the specific challenges of studying for tests and exams. Special two-hour sessions focus on writing admissions statements for graduate and professional programs. [www.writing.utoronto.ca/writing-plus](http://www.writing.utoronto.ca/writing-plus)

The **English Language Learning (ELL) Program** is designed to help multilingual students achieve the high level of English required for top academic work at U of T. Our activities are free and non-credit. All sessions are taught by highly qualified instructors from the college writing centres. In May and in August of each year, ELL offers an intensive non-credit course, ELL011H1F, Intensive Academic English. During the Fall and Winter terms, ELL offers free, online academic writing instruction through the Reading eWriting activity, as well as on-site Communication Cafes which focus on academic discussions and oral presentations. [www.artsci.utoronto.ca/current/advising/ell](http://www.artsci.utoronto.ca/current/advising/ell)

The **Academic Success Centre** is here to help you manage academic expectations and gain confidence in your learning. Develop and strengthen your skills in time management, self-management, reading, writing, note-taking and exam preparation. Build coping skills to deal with stress, anxiety, procrastination and perfectionism. Make an appointment with a learning strategist at the front desk or call 416-978-7970. Drop-in hours and first year study sessions with peer mentors are also available. The ASC study space is open to all students Monday-Friday 9am-5pm. [www.studentlife.utoronto.ca/asc](http://www.studentlife.utoronto.ca/asc).

If you have a disability, **Accessibility Services** is your home base for support. It is important to contact the office as soon as you are accepted to U of T so that accommodations for your needs are in place before classes start. All information about your disability is confidential and won't be shared with units outside of Accessibility Services without your consent. [www.studentlife.utoronto.ca/as](http://www.studentlife.utoronto.ca/as). 455 Spadina Ave., Suite 400; 416-978-8060.

At **First Nations House**, the Aboriginal Learning Strategist can help students develop their research, essay writing and study skills. Students can also get connected to academic support in specific fields of study, such as math and science. [www.studentlife.utoronto.ca/fnh](http://www.studentlife.utoronto.ca/fnh). 563 Spadina Av. 3rd Fl.; 416-978-8227.

**If you're facing challenging personal circumstances that are affecting your academic performance, there are many resources available to help you build coping skills and develop learning strategies. Visit [www.healthandwellness.utoronto.ca](http://www.healthandwellness.utoronto.ca) for details.**

## Careers

Want to learn how to tap into the hidden job market, maximize your

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LinkedIn profile or meet professionals working in careers you are interested in? Check out the **Career Centre!** They have a range of workshops, events and career exploration programs like the Extern Job Shadowing Program, Explore It and In the Field that connect you with professionals working in a variety of careers. You can also drop in and meet one of their Peer Career Advisors or visit the Career Learning Network ([cln.utoronto.ca](http://cln.utoronto.ca)) for hundreds of on and off-campus, paid and volunteer positions. [www.studentlife.utoronto.ca/cc](http://www.studentlife.utoronto.ca/cc). 214 College St. Main Fl.; 416-978-8000.

International students must get a work permit if they wish to work off campus, are required to work in a co-op placement as part of their program or want to work in Canada after graduating. Contact the **Centre for International Experience** for assistance with work and post-graduation work permit applications. [www.studentlife.utoronto.ca/cie](http://www.studentlife.utoronto.ca/cie). 33 St. George St.; 416-978-2564.

## Diversity & Equity

Diversity and equity are fundamental values at the University of Toronto. Students from every background are supported by policies and resources that help create an inclusive environment and one that actively works against discrimination.

The **Sexual and Gender Diversity Office** offers support and information to students who are "out" or questioning their sexual orientation or gender identity. The office also works with students, faculty and staff to provide training and education on issues related to sexual diversity, anti-heterosexist programming, and events and programs for the LGBTQ community at U of T. [www.sgdo.utoronto.ca](http://www.sgdo.utoronto.ca). 21 Sussex Av. Suites 416-417; 416-946-5624

The **Sexual Harassment Office** handles harassment complaints based on sex, sexual orientation, gender identity, and gender expression and provides guides for undergraduate and graduate students. [www.sho.utoronto.ca](http://www.sho.utoronto.ca). 215 Huron St.; 416-978-3908.

The **Status of Women Office** aims to improve the status of all women by identifying and removing barriers and inequities. [www.status-women.utoronto.ca](http://www.status-women.utoronto.ca). 27 King's College Circle; 416-978-2196.

The **Anti-Racism and Cultural Diversity Office** provides complaint management and resolution for issues related to discrimination or harassment based on race, ancestry, place of origin, religion, colour, ethnic origin, citizenship or creed. You are also welcome contact the office if you are seeking a forum to discuss ideas that will strengthen U of T's diverse community and its commitment to an equitable environment. [www.antiracism.utoronto.ca](http://www.antiracism.utoronto.ca). 215 Huron St.; 416-978-1259.

U of T's **Multi-Faith Centre** was created to provide a place for students, staff and faculty of all spiritual beliefs to learn to respect and understand one another. The Centre facilitates an accepting environment where members of various communities can reflect, worship, contemplate, teach, read, study, celebrate, mourn and share. [www.studentlife.utoronto.ca/mf](http://www.studentlife.utoronto.ca/mf). 569 Spadina Av.; 416-946-3120.

**Accessibility Services** provides services and resources to students with all types of disabilities, such as physical, sensory, medical, mental health, learning and temporary. [www.studentlife.utoronto.ca/as](http://www.studentlife.utoronto.ca/as). 455 Spadina Ave., Suite 400; 416-978-8060.

## Family Life

The **Family Care Office** provides free confidential information, guidance, referrals, resources and advocacy for students, staff, faculty and their families. You can take advantage of free workshops, support groups and seminars. The Resource Centre contains practical information on a broad range of family care issues, from pregnancy and infant care to lesbian

and gay parenting, from special needs children to caring for elderly family members. [www.familycare.utoronto.ca](http://www.familycare.utoronto.ca). 214 College St. Main Fl.; 416-978-0951.

## Community Safety

The **Community Safety Office** addresses personal and community safety issues for students, staff and faculty across all three campuses. The office provides assistance to students, staff and faculty who have had their personal safety compromised, develops and delivers educational initiatives addressing personal safety, promotes and delivers self-defense courses on campus, and coordinates and responds to critical incidents on campus. [www.communitysafety.utoronto.ca](http://www.communitysafety.utoronto.ca). 21 Sussex Av. 2nd Fl.; 416-978-1485.

## Community Service

Your learning experience is by no means limited to the campus. There are many reasons to volunteer in the University of Toronto community or for one of the hundreds of causes in the Greater Toronto Area—you'll not only gain invaluable skills that will better prepare you for the working world but also become more well-rounded and enjoy the fulfillment of helping others.

At U of T we provide you with opportunities to get involved in community work through volunteer postings, the **Centre for Community Partnerships**, volunteer chapters, volunteer fairs and initiatives led by student groups.

Regularly checking volunteer postings is the perfect way to get a feel for the wide range of opportunities that exist. Whether you're looking for experience in a specific area or are hoping to get ideas on how broaden your horizons, feel free to review postings throughout the school year. Off-campus volunteer jobs are posted on the Career Learning Network at the **Career Centre**. On-campus volunteer jobs are posted on **Ulife**.

The Centre for Community Partnerships:  
[www.studentlife.utoronto.ca/ccp](http://www.studentlife.utoronto.ca/ccp). 569 Spadina Av.; 416-978-6558.  
Career Learning Network (Career Centre): [cln.utoronto.ca](http://cln.utoronto.ca). 214 College St.; 416-978-8000.  
Ulife: [www.ulife.utoronto.ca](http://www.ulife.utoronto.ca).

## Rights & responsibilities

The University of Toronto respects and upholds all students' rights but also entrusts you with certain responsibilities and expects you to be familiar with, and follow, the policies developed to protect everyone's safety, security and integrity. <http://uoft.me/rights>.

U of T is committed to fairness in its dealings with its individual members and to ensuring that their rights are protected. In support of this commitment, the **Office of the University Ombudsperson** operates independently of the administration, being accountable only to the Governing Council, and has unrestricted access to all University authorities. <http://ombudsperson.utoronto.ca>. 416-946-3485.

## Faith & Spirituality

The University of Toronto's **Multi-Faith Centre** was created to provide a place for students, staff and faculty of all spiritual beliefs to learn to respect and understand one another. The Centre facilitates an accepting environment where members of various communities can reflect, worship, contemplate, teach, read, study, celebrate, mourn and share. The Centre is also home to the offices of the Campus Chaplains Association and offers facilities, such as a main activity hall for large events, a meditation room with a "living wall" for quiet contemplation and meeting spaces. [www.studentlife.utoronto.ca/mf](http://www.studentlife.utoronto.ca/mf) 569 Spadina Av.; 416-

946-3120.

## Housing

If you need help finding housing, the staff at **Housing Services** can help you. Use your JOIN/UTORid to log in and discover:

- the off-campus housing finder for more than 10,000 listings near U of T campuses with pre-approved landlords looking for student tenants
- the roommate finder to help connect you with other students looking for shared housing

On the Housing Services website you'll find useful information about:

- residence and Student Family Housing
- housing fairs to help connect you with other students, meet landlords and schedule viewings
- resources to help you deal with landlord and roommate conflicts
- info on tenant rights and responsibilities and more

[www.studentlife.utoronto.ca/hs](http://www.studentlife.utoronto.ca/hs). 214 College St., Rm. 203; 416-978-8045.

## Health & Wellness

Wellness refers to your overall physical, emotional, intellectual, spiritual and social condition, not simply the absence of illness. So when you're not feeling your best, the friendly team at the Health and Wellness Centre offers a wide range of services to support you in achieving your personal and academic best.

The **Health and Wellness Centre** offers students similar services as a family doctor's office. The Health and Wellness team includes family physicians, registered nurses, counsellors, psychiatrists, a dietician, and support staff that provide confidential, student-centred health care, including comprehensive medical care, immunization, sexual health care, counselling and referrals. Services are available to all full- and part-time students who possess a valid TCard and have health insurance coverage. [www.studentlife.utoronto.ca/hwc](http://www.studentlife.utoronto.ca/hwc). 214 College St. 2nd Fl.; 416-978-8030.

## Professional Experience Year

The Professional Experience Year (PEY) Internship Program provides students with an opportunity to gain industry experience in a field related to their academic program. The PEY program consists of a 12–16 month, full-time, paid internship, beginning between May and September and ending the following year. The length of the internship allows sufficient time for students to undertake substantive projects and to be involved in challenging and productive work. As a result of the experience, students return to their studies with a greater understanding of their discipline from a practical, hands-on perspective. Students registered in the PEY program also participate in an intensive student development program, consisting of a variety of small and large group workshops, as well as individual career counselling appointments tailored to each student's needs and goals. The objective is for students to acquire knowledge and gain insight that will remain invaluable to their ongoing career development, beyond the academic years.

Registration in the PEY program is open to eligible full-time Arts & Science and Engineering students, completing their 2nd or 3rd year of study. Students must be in good academic standing. Due to the time commitment of the PEY program, we recommend the CGPA should be above 2.0 for the September registration. If you do not meet this 2.0 CGPA recommended minimum, we suggest focusing first on your studies, and registering for PEY in the following term in January.

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An application fee will be paid by the student at the time of registration into the PEY program. A placement fee will be paid by the student if and when they secure a PEY internship, and at that time they will be registered in the course, PEY500Y1Y. Part-time incidental fees to maintain student status and the accompanying benefits will also apply. Tuition fees are not paid for the period that the student is on their PEY internship. Neither the application fee, nor the placement fee is refundable. Students who secure a PEY internship will return to full-time studies following the completion of their 12 –16 month internship.

For detailed PEY eligibility requirements and program timelines, please visit the Engineering Career Centre/PEY Office website at [www.engineeringcareers.utoronto.ca](http://www.engineeringcareers.utoronto.ca) or call 416-978-6649, 416-978-3881.

## The Jack McClelland Writer-in-Residence

Each year the University appoints a well-known Canadian writer to work with students, faculty and staff interested in creative writing. For further information, contact the Department of English, 416-978-3190 or see [www.english.utoronto.ca/facultystaff/wir.htm](http://www.english.utoronto.ca/facultystaff/wir.htm).

## Student Unions and Associations

### The Arts and Science Students' Union (ASSU)

The Arts and Science Students' Union (ASSU) represents over 23,000 full-time undergraduates in the Faculty of Arts & Science on the St. George Campus. ASSU is an umbrella organization with over 60 student Course Unions. Getting involved with a Course Union is the best way to be directly involved in your education and it's an excellent way to meet other students in your discipline. ASSU offers many services including past term tests, locker rentals, photocopying, faxing and cheap pop. ASSU runs a volunteer tutoring program called Project: Universal Minds, where university students go into local high schools and tutor students in English, Maths and Sciences. ASSU also awards financial needs bursaries and extra-curricular involvement scholarships. Also, if you have any problems with your courses or instructors go to the ASSU office and discuss your options in complete confidence. ASSU is in Room 1068 Sidney Smith Hall; telephone 416-978-4903.

E-mail: [students.assu@utoronto.ca](mailto:students.assu@utoronto.ca)  
Web site: [assu.ca](http://assu.ca)

### The Association of Part-Time Undergraduate Students (APUS)

All part-time undergraduate students at the University of Toronto are members of APUS. The role of the Association is to ensure its members have access to a broad range of services, programmes and resources within the University. This is achieved by representing part-time students throughout the decision-making process of the University, and of governments, as well as by acting as a voice for the concerns of its members. APUS offers a number of scholarships and bursaries, as well as other cost-saving services and events and programming to part-time students throughout the year. The APUS office, in Room 1089 of Sidney Smith Hall, is open days and evenings during the summer and winter sessions. For further information please telephone 416-978-3993, or send an e-mail to [info@apus.ca](mailto:info@apus.ca) or visit [www.apus.ca](http://www.apus.ca).

## First-Year Learning Communities

The First-Year Learning Communities (FLCs) program in the Faculty of Arts & Science is designed to improve the transitional experience for first-year students. FLCs (pronounced "flicks") provide first-year students with the opportunity to meet classmates, develop friendships, form study groups, and develop academic and personal skills, as well as introduce students to the resources, opportunities, culture, and treasures of the campus and its surrounding community. There is no cost to participate in the FLC program and students who successfully complete the program will receive a non-academic notation on their transcript.

The 25 students in each FLC will be enrolled in some of the same courses and will meet regularly outside of class time for valuable and engaging activities. Each FLC group is facilitated by an upper-year student Peer Mentor and an Assistant Peer Mentor, under the guidance of an Advisor (from the college, department, or program); these individuals are the FLC Team. Some of the interesting and fun topics that may be covered in FLC meetings include: time management, study skills and strategies, community learning, academic integrity, getting involved on campus, mastering tests and exams, choosing a program of study, better health for better GPA, and career explorations. There will also be social activities and much more! Students interested in joining the FLC program should be motivated to learn and develop themselves personally and socially, as well as academically. You can find more detailed information about the FLC program on the FLC website: [www.flc.utoronto.ca](http://www.flc.utoronto.ca).

There are FLCs in eight academic areas of study: actuarial science, commerce, computer science, economics, life sciences, math, philosophy, and social sciences.

Contact:

Adam Doyle  
First-Year Initiatives Coordinator  
[adam.doyle@utoronto.ca](mailto:adam.doyle@utoronto.ca)  
416.978.5471

## Awards

For students with particularly noteworthy academic results, there are three specific forms of recognition:

### Recognition of Exceptional Academic Achievement: "Dean's List"

This designation is given at the end of the Fall/Winter or Summer session to Faculty of Arts & Science degree students who complete their fifth, tenth, fifteenth, or twentieth degree credit\* in the Faculty with a Cumulative Grade Point Average of 3.50 or higher.

\*The following courses are **included** in this credit count for the Dean's List:

- Faculty of Arts & Science courses (H1/Y1/H0/Y0) completed for degree credit;
- Courses in other divisions (e.g. UTM, UTSC, SGS, etc.) completed for degree credit while registered as a student in the Faculty of Arts & Science;
- Retained Credits: Arts & Science courses (H1/Y1/H0/Y0) completed while registered as a student in another University of Toronto division (e.g. UTM/UTSC);
- Courses completed with a final standing of "CR" or "P" which meet the criteria above.

**Excluded** from this credit count for the Dean's List are:

- Transfer Credits from secondary school (e.g. AP, IB, GCE, etc.) and/or other post-secondary institutions;

- Other division courses (e.g. UTM, UTSC, etc.) completed while registered as a student in a division other than the Faculty of Arts & Science;
- Courses designated "Extra" on a student's academic record;
- Courses with a final grade of 49% or below, "FL" or "NCR";
- EDU courses taken as part of the Concurrent Teacher Education Program (CTEP).

Beginning in June 2016 (at the end of the 2015-16 Fall/Winter session), the Dean of the Faculty sends a letter by email to each eligible student. The Dean's List honour appears as a notation on the transcript. Students are notified of their eligibility in late July (for those who satisfy the criteria at the end of the Fall/Winter session) and in late October (for those who satisfy the criteria at the end of the Summer session). Eligible students who wish to obtain a certificate may submit a request at <https://webapp.artsci.utoronto.ca/student/dlist/>. There is no monetary value. Students who satisfy the criteria but do not receive notification by the dates above for the appropriate session should write to the Faculty Registrar, Faculty of Arts & Science, Sidney Smith Hall, 100 St. George St., Toronto ON, M5S 3G3 or at [ask.artsci@utoronto.ca](mailto:ask.artsci@utoronto.ca). Please note that students are not considered for the Dean's List at the end of the Fall term.

## Recognition of Exceptional Academic Achievement: "High Distinction" and "Distinction"

Students who graduate with a Cumulative GPA\* of 3.50 or above are described as graduates "With High Distinction". This achievement is noted on the diploma and transcript.

Students who graduate with a Cumulative GPA\* of 3.20 to 3.49 are described as graduates "With Distinction". This achievement is noted on the diploma and transcript.

\* Note: the Cumulative GPA must be based on at least 5.0 credits taken for Faculty of Arts & Science degree credit.

## Faculty Scholarships

The Faculty offers many academically-based scholarships and other awards to exceptional degree students. Full details of these scholarships are available on the Faculty web site at [www.artsci.utoronto.ca/current/scholarships](http://www.artsci.utoronto.ca/current/scholarships).

## International Opportunities for Arts & Science students

### Explore your own world!

Because they will navigate a knowledge economy shaped by globalization, Arts & Science students must have unprecedented fluency across cultural, business, social and political spheres. We encourage you to integrate international perspectives into your academic career at UofT.

Learn a foreign language, study abroad, participate in an international field school, or conduct research outside of Canada, all of these options and more are available to you. For more information, please see: [uoft.me/artsci-international](http://uoft.me/artsci-international). Looking for something closer to home?

Check out opportunities through the Centre for Community Partnerships ([www.studentlife.utoronto.ca/ccp](http://www.studentlife.utoronto.ca/ccp)).

## Faculty of Arts & Science-Funded International Programs

Director: Anne-Marie Brousseau, Associate Dean, Undergraduate  
Administrative Contacts:

Mary-Priscilla Stevens, Director, International Programs and Partnerships

[fas.internationalprograms@utoronto.ca](mailto:fas.internationalprograms@utoronto.ca)  
Deborah Shaw, Teaching and Learning, [deb.shaw@utoronto.ca](mailto:deb.shaw@utoronto.ca) (416-978-0359)

## International Course Module

The Faculty of Arts & Science's International Course Modules (ICM) program provides an opportunity for faculty members to incorporate an intensive international experience into the framework of existing undergraduate courses. The ICM is designed to enhance students' classroom learning in a wide range of areas through the application of course content to relevant resources around the globe. ICMs are selected in late May and take place over Reading Week the following February. Students' participation in the ICM is incorporated into their final course grade. In many cases, ICM participants share their experiences with the wider Arts & Science community through publications, presentations or web-based resources.

**Locations:** Courses and locations for Reading Week 2017 will be posted in June on the International Programs and Partnerships website and in the Calendar for each course that includes an ICM.

**Courses:** Past ICMs have examined the role of international organizations in post-conflict Kosovo, geologic history through the fossil, rock and structural record of the Chilean Andes, communal labor practices in Ghana and urbanization in China.

**Cost:** The Faculty of Arts & Science provides funding for students and faculty airfare, accommodation and local transportation.

**Eligibility:** A limited number of ICMs are available and the program is only available to undergraduate Arts & Science (St. George) degree students enrolled in the course(s) in which the module is proposed.

**Application:** To apply for this year's ICMs, please refer to the course listing for that ICM. If you are interested in working with a faculty member to create an ICM for a course, please consult the International Programs and Partnership website for further information.

For further information please contact: MP Stevens, Director, International Programs and Partnerships at [fas.internationalprograms@utoronto.ca](mailto:fas.internationalprograms@utoronto.ca) or Deborah Shaw at [deb.shaw@utoronto.ca](mailto:deb.shaw@utoronto.ca) (416-978-0359)

## Research Excursions Program

The Research Excursions Program provides an opportunity for Arts & Science degree students (St. George) beginning their third year (i.e., after completing at least 9 but not more than 14 credits) to participate in a practical or experiential research project under the supervision of an Arts & Science faculty member. The research component can take the form of research/learning in archives, laboratories, libraries, or in a field camp, etc.—but not in a classroom at another university (that is covered by the Faculty's summer abroad and exchange programs). The projects run within the May-August period, when both Faculty and students would be able to make the time commitments necessary. Regular tuition fees apply. The Faculty of Arts & Science will cover travel expenses.

**Locations:** Research Excursions for each summer are listed on the Current Students website: [www.artsci.utoronto.ca/current/course/399/summer-2016-projects/index](http://www.artsci.utoronto.ca/current/course/399/summer-2016-projects/index). Please refer to this list for locations, descriptions and application details.

**Courses:** Please see the list of current Research Excursions at the Current Students website.

**Cost:** The Faculty of Arts & Science provides funding to cover students'

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airfare, accommodation and related costs. Research Excursions carry academic credit and regular tuition costs apply.

**Eligibility:** Students must be St. George Campus, Arts & Science, degree students who have completed at least 9 full course equivalents, but no more than 14 at the time of the Research Excursion; and meet any course prerequisites stated in the project description.

**Application:** Students apply directly to the Research Excursion faculty supervisor. Applications are available on the Research Excursion Program website ([www.artsci.utoronto.ca/current/course/399/summer-2016-projects/index](http://www.artsci.utoronto.ca/current/course/399/summer-2016-projects/index)). Deadline to submit the application form to the Project Faculty Supervisor: Sunday, March 6, 2016.

**For further information please contact:** MP Stevens, Director, International Programs and Partnerships at [fas.internationalprograms@utoronto.ca](mailto:fas.internationalprograms@utoronto.ca) or Deborah Shaw at [deb.shaw@utoronto.ca](mailto:deb.shaw@utoronto.ca) (416-978-0359)

### Dean's International Initiatives Fund

The Dean's International Initiatives Fund (DIIF) supports creative and innovative international activities in areas of need not already addressed by existing programming (Research Excursions Program, International Course Modules, Germany/Europe Fund, Undergraduate Research Fund). The goal of the DIIF is to leverage Faculty resources to provide a broad range of new and innovative international opportunities for undergraduate students.

**Locations:** Locations for DIIF projects have been around the world, but most often take place in locations that are not available through other UofT or Faculty of Arts & Science international programs.

**Courses:** DIIF projects may be for academic credit or co-curricular, but must be academically focused.

**Cost:** Funding is available to students and faculty members through a competitive application process. The Faculty of Arts & Science provides funding to cover students' airfare, accommodation and related costs.

**Eligibility:** A limited number of DIIF projects are available each year and the program is only available to undergraduate Arts & Science (St. George) degree students. Students must be currently enrolled or demonstrate their intention to return to UofT for further study at the time of the DIIF project.

**Application:** Students may apply for funding through their academic department, program or College. Application details are available at the International Programs and Partnerships website.

**For further information please contact:** MP Stevens, Director, International Programs and Partnerships at [fas.internationalprograms@utoronto.ca](mailto:fas.internationalprograms@utoronto.ca) or Deborah Shaw at [deb.shaw@utoronto.ca](mailto:deb.shaw@utoronto.ca) (416-978-0359)

### Canadian Friends of Hebrew University/Faculty of Arts and Science Endowment Fund

The Canadian Friends of Hebrew University/Faculty of Arts and Science Endowment Fund was established by the Faculty in partnership with the Canadian Friends of Hebrew University (CFHU) and U of T to promote innovative student-based programs, courses or initiatives that support student activities involving Hebrew University.

**Locations:** Hebrew University, Jerusalem, Israel

**Courses:** CFHU Endowment Fund projects may be for academic credit

or co-curricular, but must be academically focused.

**Cost:** Funding is available to students and faculty members through a competitive application process. The Faculty of Arts and Science CFHU Endowment Fund normally covers students' airfare, accommodation and related costs.

**Eligibility:** A limited amount of funding is available each year and the program is available to undergraduate or graduate Arts & Science (St. George) degree students or faculty members with a continuous undergraduate appointment to the Faculty of Arts & Science. Students must be currently enrolled or demonstrate their intention to return to UofT for further study at the time of the DIIF project. Please note that the Centre for International Experience provides funding from a separate fund for students interested in student exchange at Hebrew University.

**Application:** Students may apply for funding through their academic department, program or College. Application details are available at the International Programs and Partnerships website.

**For further information please contact:** MP Stevens, Director, International Programs and Partnerships at [fas.internationalprograms@utoronto.ca](mailto:fas.internationalprograms@utoronto.ca).

### Undergraduate Research Fund

The Undergraduate Research Fund (URF) is funded jointly by the Arts & Science Students' Union (ASSU) and the Faculty of Arts & Science. It provides funding for students to develop a research project of their own, for which there is no other available funding. The fund is open to all Arts & Science undergraduate students in good academic standing and no minimum GPA is required. Research projects must be initiated by students, related to their degree, and supervised by a faculty member either through a regular course, an independent study, a research essay, or other academic project.

**Locations:** Open, URF projects can be in Canada or locations internationally.

**Courses:** Research projects may be incorporated into a regular course, an independent study, a research essay, or other academic project.

**Cost:** The URF provides basic funding to support student research.

**Eligibility:** must be current undergraduate degree student(s) in the Faculty of Arts & Science and must be registered as such during the period in which the research will be conducted; must be in good academic standing;

**Application:** For application forms and further information, please see the URF website: [www.artsci.utoronto.ca/current/scholarships/undergraduate-research-fund](http://www.artsci.utoronto.ca/current/scholarships/undergraduate-research-fund)

**For further information please contact:** Office of the Faculty Registrar

### Summer Abroad

The Summer Abroad programs are designed to enrich students' academic lives by providing an exciting and educational international experience. Students complete full-year University of Toronto undergraduate degree credit courses from the Faculty of Arts & Science that are relevant to each location. Relatively small classes (about 25 students on average) are taught by University of Toronto professors or faculty from the host university. All classes, with the exception of language courses, are taught in English. The program is run through Woodsworth College.



**Locations:** the 2016 programs are offered in:

- Australia (Byron Bay, Darwin, Sydney and Cairns)
- Central Europe (based in the Czech Republic)
- China (Beijing and Tianjin)
- China (Hong Kong)
- China (Shanghai)
- Ecuador (Amazon, Galápagos, Andes)
- England (Oxford)
- France (Tours)
- Germany (Berlin)
- Greece (Thessaloniki)
- Italy (Siena)
- Japan (Tokyo)
- Peru (Quilcapampa)
- United Arab Emirates (Dubai)
- South Africa (Cape Town)
- South Korea (Seoul)
- Spain (Seville)
- Science Abroad (China, Hungary, Switzerland, Taiwan)

Check the Summer Abroad web site in the fall to see the 2017 program list!

**Courses:** Students take specially designed University of Toronto undergraduate degree credit courses, relevant to the location, for a period of 3 to 6 weeks. The courses have field trips that complement and highlight the academic materials. Courses are taught predominantly by University of Toronto professors and, with the exception of language courses, are offered in English. Typically, full-year second and third year courses are offered in disciplines such as history, political science, management, literature, film, architecture, fine art, religion, and languages. The Science Abroad program allows students in various science disciplines to earn a full-year research credit while gaining laboratory experience overseas. Most courses do not have prerequisites.

All Summer Abroad courses and grades show on students' transcripts as regular U of T credits and are calculated into their CGPA.

**Cost:** Costs for Summer Abroad courses vary depending on the location and activities involved in the course. A detailed breakdown of the costs is available for each program. Financial aid is available for most programs. The application deadline for awards offered through Woodsworth College is February 13. A number of awards and bursaries are administered through the Summer Abroad Office. [summerabroad.utoronto.ca/costs/](http://summerabroad.utoronto.ca/costs/)

**Eligibility:** All University of Toronto students in good standing are eligible to apply. Students from other universities are also welcome to apply. All students must meet the program admissions requirements in order to participate. In addition, three programs require a minimum CGPA at the time of application. [summerabroad.utoronto.ca/eligibility/](http://summerabroad.utoronto.ca/eligibility/)

- UofT students who have completed one or more courses must have a CGPA of at least 1.50 at the time of application;
- First-year students with no final grades yet may also apply;
- Students on Academic Probation or Suspension at the time of application are not eligible to participate.

**Application:** Applications are available in early January. The application deadline for all programs is February 13. Late applications will be accepted if space and time permit.

**For further information please contact the Summer Abroad Office:**

Professional & International Programs  
Woodsworth College  
119 St. George Street, 3rd Floor  
416-978-8713  
[summer.abroad@utoronto.ca](mailto:summer.abroad@utoronto.ca)

<https://summerabroad.utoronto.ca>

## International Student Exchange

International Student Exchange allows you to experience new cultures and languages in an academic setting while earning credits towards your U of T degree. UofT offers student exchanges at over 149 partner institutions in 41 countries. UofT's international student exchange program is run through the Centre for International Experience (CIE).

Whatever your academic program and interests, the CIE has a student exchange opportunity that will fit your needs. Programs vary from a few weeks long to as much as a full year.

- International student exchange is U of T's traditional program for students looking to go abroad. Exchanges may be for one term or a full year or summer, and most are open to both undergraduate and graduate students. Students participating in an exchange will have their credits finalized for transfer upon their return.
- Research exchange opportunities offer laboratory research experience at a partner institution. Give your academic career an edge—work in a foreign lab, learn new research techniques, and network with professors and graduate students from our carefully selected partner universities.
- Joint Minor programs allow you to complete part of a specialized minor (Nanoscience, Biology, Asian Geography or Asian Literature and Cultures) at National University of Singapore.

**Locations:** UofT offers student exchanges at over 149 partner institutions in 41 countries. Use the CIE International Opportunities search tool ([uoft.me/gointernational](http://uoft.me/gointernational)) to discover all of our partner institutions around the world!

**Cost:** When you go on exchange, you pay your U of T tuition plus incidental fees, along with the cost of living abroad. While on exchange, you are still eligible to receive government assistance such as OSAP. There are also many specific scholarships and bursaries run by various U of T offices. CIE administers a needs-based bursary program. For information on costs and funding, see [www.studentlife.utoronto.ca/cie/funding-costs](http://www.studentlife.utoronto.ca/cie/funding-costs).

**Eligibility:** In general, U of T students who have completed at least one year of full-time studies, with a minimum CGPA of 2.25 are eligible to apply. A few exchange programs do have higher GPA cutoffs, and others have special language requirements. [www.studentlife.utoronto.ca/cie/outbound-exchange-eligibility](http://www.studentlife.utoronto.ca/cie/outbound-exchange-eligibility)

**Transfer Credit:** Once nominated for exchange, you are required to attend a mandatory pre-departure Transfer Credit Information Session. You are eligible to participate in up to three terms of exchange. You can arrange your exchange semesters in multiple ways—a full year and additional semester or three consecutive summers or three separate semesters in up to three locations. The maximum amount of transfer credits you may earn through exchange is 7.5 (provided you don't have more than 2.5 transfer credits already on admission or on Letter of Permission). Studying at another institution does bring a degree of academic risk. Although the Faculty of Arts & Science cannot guarantee that the courses you choose will receive full credit, we will do our best to ensure you receive a fair assessment. [www.studentlife.utoronto.ca/cie/outbound-academic-credit](http://www.studentlife.utoronto.ca/cie/outbound-academic-credit)

**Application:** Applications for most programs are due early December to late February, but you should always check the CIE website regarding the specific exchanges that interest you. [www.studentlife.utoronto.ca/cie/outbound-apply](http://www.studentlife.utoronto.ca/cie/outbound-apply)

**For more information, please contact CIE:**

Cumberland House, 33 St. George Street, Rm. 209

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416-978-1800

[student.exchange@utoronto.ca](mailto:student.exchange@utoronto.ca)

[www.studentlife.utoronto.ca/cie](http://www.studentlife.utoronto.ca/cie)

# Degree Requirements (H.B.A., H.B.Sc., BCom)

For the complete and detailed description of degree requirements, see below. This chart is intended as a quick reference to describe the minimum degree requirements.

Type of Degree	Honours B.A./B.Sc.	BCom
Number of Credits	20.0	20.0 (10.0 RSM/MGT courses, 10.0 other A&S courses [note: this is a program requirement])
Level of Credits	<ul style="list-style-type: none"> <li>Maximum 6.0 100-level</li> <li>At least 6.0 300/400-level</li> </ul>	<ul style="list-style-type: none"> <li>Maximum 6.0 100-level</li> <li>At least 6.0 300/400-level, including at least 1.0 400-level</li> </ul>
Program Requirements	<ul style="list-style-type: none"> <li>1 Specialist, or</li> <li>2 Majors*, or</li> <li>1 Major + 2 Minors*</li> </ul> <p>* must consist of 12.0 different courses (FCEs)</p>	<ul style="list-style-type: none"> <li>Management, Finance &amp; Economics, or Accounting Specialist</li> </ul>
Cumulative Grade Point Average	1.85	1.85
Breadth Requirement (for students beginning degree studies in September 2010 or after)	<p>Must take at least 4.0 credits that have been designated as satisfying the Breadth Requirement. Must be either (a) at least 1.0 credit in each of 4 of the 5 categories below, or (b) at least 1.0 credit in each of any 3 of the 5 categories, and at least 0.5 credits in each of the other 2 categories.</p> <ol style="list-style-type: none"> <li>Creative and Cultural Representations</li> <li>Thought, Belief, and Behaviour</li> <li>Society and Its Institutions</li> <li>Living Things and Their Environment</li> <li>The Physical and Mathematical Universes</li> </ol>	
Distribution Requirement (for students who began degree studies in the Faculty of Arts & Science prior to September 2010)	<p>Must take at least 1.0 credit from each of the following three areas:</p> <ul style="list-style-type: none"> <li>Humanities</li> <li>Social Sciences</li> <li>Sciences</li> </ul> <p>N.B. Some restrictions on the acceptability of science courses apply to B.Com students. Refer to the Rotman Commerce section of the Calendar for details.</p>	

## Degree Requirements

**In the requirements below the word “course” means one full course equivalent (FCE) —a “full course” or two “half-courses”; in the Programs and Courses section, “full courses” are listed as Y1 courses, and “half-courses” are listed as H1 courses.**

The Faculty of Arts & Science offers the following degrees, all of which are Honours degrees:

- Honours Bachelor of Arts
- Honours Bachelor of Science
- Bachelor of Commerce (jointly with the Rotman School of

Management)

The Faculty also offers:

- Language Citation

## Honours Bachelor of Arts/Honours Bachelor of Science

### General Degree Requirements

**Please note: in the requirements below the word “course” means one full-course equivalent (FCE).**

To qualify for an Honours Bachelor of Arts (Hon.B.A.) or Honours Bachelor of Science (Hon. B.Sc.), you must:

(a) Obtain standing (i.e., complete with a grade of 50% or more or CR) in at least 20 courses (FCEs) that meet the following criteria:

- No more than six courses (FCEs) may be 100-series.
- At least six courses (FCEs) must be 300+series courses (no more than one 300+series transfer credit may be counted towards these six, with the exception of transfer credits attained through a U of T exchange program).
- No more than fifteen courses (FCEs) may have the same three-letter designator (“AST”, “ENG”, etc.). Courses beyond this limit will not be included in the 20 courses required for the degree, but will be counted in all other respects.

(b) Complete one of the following program requirements

One specialist program (which includes at least one course (FCE) at the 400-level)

or  
Two major programs, which must include at least 12 different courses (FCEs)

or  
One major and two minor programs, which must include at least 12 different courses (FCEs)

or  
Students registered in the Faculty before the 2000-2001 session may also complete three minor programs, which must include 12 different courses (FCEs); this option is discontinued for students registering for the first time in 2000-2001 and thereafter.

Note: whether you receive an Hon. B.A. or an Hon. B.Sc. depends on the program(s) you complete; see Program Requirements, below.

(c) For students who began degree studies in the Faculty of Arts & Science in September 2010 or

after: complete the new Breadth Requirement

OR

For students who began degree studies in the Faculty of Arts & Science prior to September

2010: complete the Distribution Requirement.

(d) Obtain a Cumulative GPA of 1.85 or more by the time of graduation. Students who meet all the requirements for the Hon.B.A./Hon.B.Sc.

except for the GPA requirement may elect to graduate with a B.A./B.Sc. degree provided they are In Good Standing (i.e., CGPA is 1.50 or more).

## Discontinued Degrees and Upgrading

Effective for all students registered for the first time in a degree program in the Faculty of Arts & Science for the summer 2001 session and

# Degree Requirements (H.B.A., H.B.Sc., BCom)

thereafter, the St. George Campus of the Faculty has discontinued the 15 course (three-year) B.A. and B.Sc. degrees. Students registered in a degree program in the Faculty before Summer 2001 may still choose a 15-course (three-year) degree; these students should consult their College Registrar's Office.

Students with a B.A. or B.Sc. who return to upgrade that degree to an Hon. B.A. or Hon. B.Sc. must exchange the B.A. or B.Sc. for an Honours degree. A B.A. leads only to an Hon. B.A.; a B.A. CANNOT be upgraded to an Hon. B.Sc., and a B.Sc. CANNOT be upgraded to an Hon. B.A. Students who upgrade to an Honours degree are not eligible to attend the convocation ceremony for the upgrade.

Different degree regulations apply to students who first registered in the Faculty before Winter Session 1992; these students should consult their College Registrar.

## Graduation

There are two graduation periods: June and November. Students must request graduation using the Student Web Service or in their College Registrar's Office as they are not automatically assessed for graduation. Graduation requests must be submitted by the deadline specified in the Sessional Dates section of the Calendar. Prospective graduands should check Degree Explorer (<https://degreeexplorer.utoronto.ca>) at the end of March (for June graduation)/late September (for November graduation) to see if their programs have been confirmed by the relevant department(s) or program office(s). They should also check Degree Explorer at the end of May/late October for confirmation of their eligibility for graduation by the Office of the Faculty Registrar.

For students graduating in June, only courses completed by the end of the preceding winter term (ending in April) will be assessed for graduation. For students graduating in November, only courses completed by the end of the preceding summer session (ending in August) will be assessed for graduation.

Prospective graduands should receive an email from the Office of Convocation providing details of the convocation ceremony in late March/mid-October. An email will be sent from the Office of the Faculty Registrar in late May/late October to students who have a request for graduation confirming their eligibility.

## Recognition of Exceptional Academic Achievement: "High Distinction" and "Distinction"

Students who graduate with a Cumulative GPA\* of 3.50 or above are described as graduates "With High Distinction". This achievement is noted on the diploma and transcript.

Students who graduate with a Cumulative GPA\* of 3.20 to 3.49 are described as graduates "With Distinction". This achievement is noted on the diploma and transcript.

\* Note: the Cumulative GPA must be based on at least 5.0 credits taken for Faculty of Arts & Science degree credit.

## "Second Degree" Requirements

Students who have graduated with a degree from the Faculty of Arts & Science must petition through their college by June 30 to begin a second degree. Before applying, students are urged to determine whether a second degree is actually required for their purposes; for example, a "make-up" year as a non-degree student may satisfy admission requirements for graduate school. Students are governed by the rules of the Faculty in place at the time they commence their second degree. Students who already hold a degree from the Faculty of Arts & Science, the University of Toronto Scarborough or the University of

Toronto Mississauga may complete a second degree only of an alternate type (i.e. if a student has an Honours Bachelor of Arts degree then he/she may not complete a second Honours Bachelor of Arts degree). The Faculty normally exempts students from the first year of the degree requirements (five (5.0) transferred/retained credits: four 100-level and one 200-level), regardless of the number of previous degrees held. Second degree candidates may not repeat courses taken in a previous degree; they may, however, count such courses towards satisfying pre-requisite and program requirements, on approval of the department/programs office concerned. A new admission POSt and a new grade point average will commence with the second degree courses.

## Program Requirements

Completion of a program of study is only one part of the general degree requirements. Variations made in program details for individual students do not in any way affect degree requirements.

**Please note: in the requirements below the word "course" means one full-course equivalent (FCE).**

### Meaning of "Program"

Programs are groupings of courses in one or more disciplines; these groupings are listed with each college or department entry in the "Programs and Courses" section of this Calendar.

### Types of programs are:

- **Specialist Program:** a sequence of between 9 and 14 courses (FCEs) in one or more disciplines (note that some interdisciplinary Specialist programs may require up to 16 courses). Specialist programs must include at least four 300+series courses (FCEs), one of which must be a 400-series course (FCE).
- **Major Program:** a sequence of between 6 and 8 courses (FCEs) in one or more disciplines. Major programs must include at least two 300+series courses (FCEs), including at least one 400-series half course.
- **Minor Program:** a sequence of 4 courses (FCEs) in one or more disciplines. Minor programs must include at least one 300+series course (FCE).

### PLEASE NOTE

Some courses included as program options may have prerequisites as requirements not listed in the program but which must be taken. Programs which list optional courses do not necessarily list their prerequisites. Students are responsible for fulfilling prerequisites; students enrolled in courses for which they do not have the published prerequisites may have their registration in those courses cancelled at any time without warning.

## Program Requirements

1. You must enrol in at least one and no more than three programs (of which only two can be majors or specialists), in the session in which you pass your fourth course (FCE). See the Arts & Science Program Enrolment web site for details. Students admitted with transfer credit for four courses (FCEs) or more must do this immediately upon admission.
2. You must meet any enrolment requirements for a program as stated in the Calendar. If you do not meet these requirements, you may be removed from the programs.
3. The programs(s) you complete determine whether you receive a science or an arts degree upon graduation. In the "Programs and Courses" section, each program indicates the type of degree to which it leads. For example, in the English section, the English Specialist listing is followed by "Arts program"; in the Mathematics section, the

Math Major is followed by "Science program", etc. A student completing one Specialist in an arts area would receive the Honours Bachelor of Arts; a student completing one Specialist in a science area would receive the Honours Bachelor of Science\*. For program combinations that include more than one area (Arts *and* Science), the following applies:

- A student completing one Major in a science area and one Major in an arts area have a choice of either the Honours Bachelor of Science or the Honours Bachelor of Arts.
- In combinations of one Major and two Minors, the type of degree depends on the areas of the three programs. For example, if the Major is in a science area and the two Minors are in arts areas (or vice versa), the student has a choice of either the H.B.Sc. or the H.B.A. If the Major and one Minor are in science areas and the other Minor is in an arts area, the student would receive the H.B.Sc. Similarly, if the Major and one Minor are in arts areas and the other Minor is in a science area, the student would receive the H.B.A.

\*A student completing one Specialist in a science area and an *additional* Major in an arts area (or vice versa) have a choice of either the Honours Bachelor of Science or the Honours Bachelor of Arts.

Students enrolled in either two Majors or one Major + two Minors must ensure they have a minimum of 12.0 different courses (FCEs) between the programs. For example:

- Lucy is enrolled in the Physiology Major (8.0 FCEs) and the Biology Major (8.0 FCEs). In order to meet the 12.0 different course requirement, she may have up to 4.0 overlapping credits between her majors ( $8.0 + 8.0 = 16.0$ ;  $16.0 - 12.0 = 4.0$ ). These two programs contain 3.0 core FCEs in common: (BIO120H1+BIO130H1), (CHM138H1+CHM139H1), and (BIO220H1+BIO230H1). Therefore, she may take up to 1.0 more overlapping course (FCE) between the majors. In short, 8.0 for PSL + 8.0 for BIO = 16.0 courses; 16.0 courses - 12.0 different courses = 4.0 overlaps allowed).
- Christina is enrolled in the Economics Major (7.0 FCEs) and the Statistics Major (6.5 FCEs). In order to meet the 12.0 different course requirement, she may have up to 1.5 overlapping credits between her majors ( $7.0 + 6.5 = 13.5$ ;  $13.5 - 12.0 = 1.5$ ). She takes MAT135Y1 and STA257H1+STA261H1 (2.0 FCEs total) towards both programs. Since she has exceeded the 1.5 credit overlap limit by 0.5, she must take an additional 0.5 credit towards one of the majors so that she will have 12.0 different courses between them.

## Note:

In biological and science programs there may be occasions when scientific observations are made by students on themselves or on fellow students. These include common diagnostic or immunization procedures. Unless a valid reason exists, students are expected to participate in such exercises. If any investigative work involving student participation does not form part of the program, participation is voluntary.

## Self-Designed Programs

Students may design their own Programs, which must be substantially different from any Program in this Calendar. Such a Program, if formally adopted by the student's College on the basis of its academic rigour and coherence, and if approved by the Committee on Academic Standards, will be accepted as fulfilling the degree requirement for certification in a Program (transcripts indicate only "Completed Self-designed Programs approved by 'X' College"). Since the approval process is necessarily a long one, students following this alternative must discuss this process with their College Registrar immediately after completion of the fourth course in the Faculty.

## The Breadth Requirement

Students beginning degree studies in the Faculty of Arts & Science in September 2010 or after are required to complete the following Breadth Requirement as part of their Degree Requirements. (The Distribution Requirement described following this section does not apply to such students.)

Courses in the Faculty of Arts and Science are classified into five Breadth categories by subject content. (Note that some courses are not designated and do not count toward this requirement.) The purpose of the Breadth Requirement is to ensure all students graduating with an Honours degree from the Faculty of Arts and Science have chosen courses across a broad range of subject areas in the Faculty as part of their undergraduate education.

1. Creative and Cultural Representations
2. Thought, Belief, and Behaviour
3. Society and Its Institutions
4. Living Things and Their Environment
5. The Physical and Mathematical Universes

Students must take at least 4 full-course equivalents (FCEs) that have been designated as satisfying the Breadth Requirement. These 4 credits must be either (a) at least 1 FCE in each of any 4 of the 5 categories above, or (b) at least 1 FCE in each of any 3 of the 5 categories, and at least 0.5 FCE in each of the other 2 categories.

A course's Breadth designation can be found following the course description in the Calendar for the year in which the course is taken. For example:

### ECO100Y1 Introduction to Economics [48L, 24T]

An introduction to economic analysis and its applications: price determination; the role of competition; international trade and finance; the theory of production and employment; the role of money and the banking system; monetary and fiscal policy. NOTE graphical and quantitative analysis are used extensively.

Exclusion: ECO105Y1

Recommended preparation: MCV4U (Calculus & Vectors) and MHF4U (Advanced Functions), or equivalent secondary school mathematics credits  
Distribution Requirement Status: Social Science  
Breadth Requirement: Society and its Institutions (3)

ECO100Y1 counts as one credit (1 FCE) in category 3 (Society and Its Institutions.)

### ENG215H1 The Canadian Short Story [36L]

An introduction to the Canadian short story, this course emphasizes its rich variety of settings, subjects, and styles.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

ENG215H1 counts as one half credit (0.5 FCE) in Category 1 (Creative and Cultural Representations).

### ANT100Y1 Introduction to Anthropology [48L/12T]

Society and culture from various anthropological perspectives: socio-cultural, biological, archaeological, and linguistic.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3) + Living Things and Their Environment (4)

ANT100Y1 counts as one half credit (0.5 FCE) in Category 3 (Society and its Institutions) and one half credit (0.5 FCE) in Category 4 (Living

# Degree Requirements (H.B.A., H.B.Sc., BCom)

Things and Their Environment.)

Courses marked "BR=None" do not count toward any breadth category.

Courses count toward the Breadth Requirement as they have been classified in the Calendar of the year in which they were taken.

Students may count towards the Breadth Requirement any course which has a Breadth designation, and in which they have achieved standing, whether or not the course is used to satisfy a program requirement, and whether or not the course was taken as CR/NCR (a grade of CR must be achieved).

## The Distribution Requirement

This Distribution Requirement applies only to students who began degree studies in the Faculty of Arts & Science prior to September 2010. (The Breadth Requirement described above does not apply to such students.)

On the St. George Campus Arts & Science courses fall into three areas:

- Humanities
- Social Science
- Sciences

To qualify for any degree you must complete at least one full course equivalent in each of these three areas, for a total of 3.0 full course equivalents.

Courses that you take as part of your Specialist, Major or Minor programs may also be used to count towards the Distribution Requirement.

A course's Distribution Requirement designation can be found following the course description in the Calendar for the year in which the course is taken. For example:

### **ANT100Y1 Introduction to Anthropology [48L/12T]**

Society and culture from various anthropological perspectives: socio-cultural, biological, archaeological, and linguistic.

Distribution Requirement Status: Social Science

Breadth Requirement: Society and its Institutions (3) + Living Things and Their Environment (4)

ANT100Y1 counts as one Social Science credit (1.0 FCE.)

### **ENG215H1 The Canadian Short Story [36L]**

An introduction to the Canadian short story, this course emphasizes its rich variety of settings, subjects, and styles.

Prerequisite: 1.0 ENG FCE or any 4.0 FCE

Distribution Requirement Status: Humanities

Breadth Requirement: Creative and Cultural Representations (1)

ENG215H1 counts as one half Humanities credit (0.5 FCE.)

## Bachelor of Commerce (BCom) Degree Requirements

(see also the complete Rotman Commerce degree, program and course listing)

This is a four-year Honours program.

To qualify for a Bachelor of Commerce degree, a student must:

(a) Complete twenty full-course equivalents, including no more than six 100-series courses (FCEs);

(b) Complete one of the Specialist programs –Accounting, Finance and Economics, or Management;

(c) Complete the Arts & Science Breadth Requirement (see above)\*;

(d) Obtain standing (i.e., complete with a grade of 50% or more or CR) in at least six 300- or 400-series courses (FCEs), including at least one 400-series course (FCE). No more than one 300+ series transfer credit may be counted towards these six. (Students participating in an approved exchange program may count ALL 300+ transfer credits from the exchange towards the required six.)

(e) Achieve a cumulative GPA of 1.85 or more by the time of graduation.

\*Note: September 2016 and onward students will follow the Arts & Science Breadth Requirement and are no longer required to have 1.0 FCE from category 1 (BR1). There is no Breadth Requirement status for RSM100Y1/RSM100H1/MGT100H1, MGT201H1 and MAT133Y1. ECO220Y1 (and courses deemed equivalent) cannot be used to satisfy the Breadth Requirement.

For students who began degree studies prior to September 2010: complete the Distribution Requirement for BCom students (see below).

### Graduation

There are two graduation periods: June and November. Students must request graduation using the Student Web Service or in their College Registrar's Office as they are not automatically assessed for graduation. Graduation requests must be submitted by the deadline specified in the Sessional Dates section of the Calendar. Prospective graduands should check Degree Explorer (<https://degreeexplorer.utoronto.ca>) at the end of March (for June graduation)/late September (for November graduation) to see if their programs have been confirmed by the relevant department(s) or program office(s). They should also check Degree Explorer at the end of May/late October for confirmation of their eligibility for graduation by the Office of the Faculty Registrar.

For students graduating in June, only courses completed by the end of the preceding winter term (ending in April) will be assessed for graduation. For students graduating in November, only courses completed by the end of the preceding summer session (ending in August) will be assessed for graduation.

Prospective graduands should receive an email from the Office of Convocation providing details of the convocation ceremony in late March/mid-October. An email will be sent from the Office of the Faculty Registrar in late May/late October to students who have a request for graduation confirming their eligibility.

### Recognition of Exceptional Academic Achievement: "High Distinction" and "Distinction"

Students who graduate with a Cumulative GPA\* of 3.50 or above are described as graduates "With High Distinction". This achievement is noted on the diploma and transcript.

Students who graduate with a Cumulative GPA\* of 3.20 to 3.49 are described as graduates "With Distinction". This achievement is noted on the diploma and transcript.

\* Note: the Cumulative GPA must be based on at least 5.0 credits taken for Faculty of Arts & Science degree credit.

### Faculty Distribution Requirement for BCom Students

Students who began degree studies PRIOR to September 2010 must complete the Faculty Distribution Requirement for BCom students.

As part of the degree requirements for the BCom, students must

complete 1 full-course equivalent (FCE) in EACH OF the HUMANITIES, the SOCIAL SCIENCES and the SCIENCES AREAS as defined below:

1. one FCE must be from the Humanities.
2. one FCE must be from the Social Sciences (MGT/RSM courses may be used to meet this requirement with the exception of MGT120H1/MGT201H1, COM110H1, and RSM100Y1 which have NO Distribution Requirement status).
3. one FCE must be from the Sciences, with the following exceptions: ALL 100-series courses in CSC, MAT, STA; STA250H1, STA255H1, STA257H1, STA352Y1.
4. NOTE: transfer students from University of Toronto Mississauga or Scarborough must meet the St. George BCom Distribution Requirement.

## **CTEP: Concurrent Teacher Education Program**

Admission to the Concurrent Teacher Education Program (CTEP) has been administratively suspended as of 1 April 2015 and is no longer admitting students. Students presently enrolled in either the Education and Society (CTEP) Minor (Victoria College) or the Christianity and Culture: Major program in Religious Education (St. Michael's College) will be able to complete their degrees according to requirements described in Calendar of the year when they first enrolled in CTEP. These students should refer to the relevant archived Calendar on the home page ([calendar.artsci.utoronto.ca](http://calendar.artsci.utoronto.ca)).

## **Faculty of Arts & Science Language Citation Program**

The University of Toronto is an ideal place for students to pursue the advanced study of languages. Our students live in a country that promotes multiculturalism, and our university is located in one of the world's most diverse cities. We offer significant language opportunities in both ancient and modern languages. We also offer a variety of international academic programs and the number of such programs will expand. As our students seek further international study, work opportunities, and post-graduate study, they may be assisted by a notation on their academic record of language proficiency.

The Language Citation in the Faculty of Arts & Science is official recognition on a student's transcript that the student has progressed to an advanced level in the study of a language, and has been assessed as achieving "good" results in that study. In particular, to achieve the Language Citation, a student must complete two full courses or their equivalent beyond the first-year level of language instruction, and must achieve at least a B- in each of the courses beyond the introductory level. The two full-course equivalents may be language instruction or may be those taught in the language to be assessed.

The Language Citation will consist of a notation on the transcript that reads: "Completed Requirements of Language Citation in [name of language]." This will appear in the Arts & Science sessional segment of the student's academic record on the transcript describing the courses and marks for the session in which the Citation is assessed as complete.

Note that Language Citation is not a program, and will not satisfy the degree requirement that specifies the minimum programs of study to qualify for the degree. The Citation may be of interest to those who are completing programs involving language study, but it may also be of interest to those whose program interests lie elsewhere, but wish to have achievement in a language noted on their academic record.

Students who have already graduated may be eligible if they return for further language study that contributes to the assessment of the Citation. The Citation will not be assessed for students who have completed their studies and have not re-enrolled.

To be assessed for the Language Citation, students should contact the department or program that will be assessing the language for the Citation. They should present a copy of their academic record, and indicate which courses they would like considered for the assessment. If students already have proficiency in a language and wish to move directly to courses beyond the introductory level, they should consult the relevant department about appropriate placement. Also, students wishing to include courses taken in the country where the language is spoken should consult the relevant department about appropriate study abroad options.

The Citation can be earned in any language, modern or ancient, which provides sufficient advanced training at the University of Toronto, provided the unit offering the instruction participates in the Citation. Courses taken at the University of Toronto Mississauga or University of Toronto Scarborough may also be eligible for assessment for Arts & Science students.

The list below identifies the departments which participate in the Language Citation program. For details, including the languages in which students may achieve a Citation, see the departmental entries in this Calendar.

- Aboriginal Studies
- Classics
- East Asian Studies
- French
- Germanic Languages & Literatures
- Italian Studies
- Near & Middle Eastern Civilizations
- Portuguese
- Slavic Languages & Literatures
- Spanish

## Guide to Programs and Courses

### Definition of “Course” in this Calendar

In the Calendar, the word “course” is used in two senses:

1. In reference to a single course (such as “standing in a course” etc.) “course” refers equally to a full course or a half course.
2. In reference to a given number of courses (such as the requirement of obtaining standing in at least 20 courses for an HBA or HBSc) “courses” refer to FULL courses OR the equivalent number in FULL AND HALF courses combined. To “pass a course” or “obtain standing in a course” normally means to obtain a mark of 50 or more in that course.

### Codes used in the Program of Study Listings

- “Specialist Program (X full courses or their equivalent)”; “X” is the number of courses required for that program out of the total of 20 courses needed for an Hon. B.A. or Hon. B.Sc.
- “Major Program (X full courses or their equivalent)”; “X” is the number required for that program out of the total of 20 courses needed for an Hon. B.A. or Hon. B.Sc.
- “First Year”, “Second Year”, etc.: Sequences of courses are given as guides, but need not be followed in the exact order listed, provided all pre- and co-requisites are observed.
- Higher Years = Second, Third and Fourth Years
- An oblique stroke (“/”) means “or”. A comma and a semi-colon both mean “and”.
- In describing the level of a course, the word “series” is used interchangeably with the word “level”. e.g. 100-series is the same as 100-level
- 200-series or 200-level = courses numbered in the 200’s ONLY;
- 200+series or 200+ level = courses in the 200’s or 300’s or 400’s
- 300+series or 300+ level = courses numbered in the 300’s or 400’s
- Approved = approved by the college or department sponsoring the program
- Group = a group of related courses; Groups are at the end of the relevant program listings
- Courses = full courses or the equivalent in full and/or half courses.
- The code Y1 or H1 in a course code in this Calendar indicates the credit value:
  - Y1 = a full course, for which one credit is given, e.g., ANT 100Y1;
  - H1 = a half course, for which one-half credit is given, e.g., HIS 321H1.

### Choosing Courses

NOTE: While Departmental counsellors and College Registrars are always available to give advice, THE ULTIMATE RESPONSIBILITY RESTS WITH THE STUDENT for completeness and correctness of course selection, for compliance with exclusions, prerequisite and co-requisite requirements, for completion of Program details, for proper completion of the Distribution Requirement, and for observance of regulations, deadlines, etc. Students are responsible for seeking guidance from a responsible officer if they are in any doubt; misunderstanding, misapprehension or advice received from another student will not be accepted as cause for dispensation from any regulation, deadline, Program or Degree requirement.

### Please Note:

1. The Faculty of Arts & Science Council reserves the right to change the content of, or to withdraw, any course. In such cases every effort is made to provide equivalent alternative instruction, but this cannot be guaranteed.
2. The Faculty reserves the right to limit the number of students in any course or any section of a course if the number wishing to take the course should exceed the resources available. Notwithstanding this, every effort is made to accommodate students in 100-series courses

according to admission category.

### Key to Course Descriptions

Course descriptions, in alphabetical order by Department/College, are listed in the Programs and Courses section. For an explanation of terms and abbreviations used in these descriptions, including prerequisites, co-requisites, exclusions, etc., see below. Students may choose from among these courses, subject to the following rules:

1. Students must satisfy the degree and program requirements and other regulations set out in the Calendar and its supplements.
2. Students must meet all prerequisite, co-requisite and exclusion requirements.
3. Students may take no more than six 100-series courses for degree credit.

### Number of Courses Taken (“Course Load”)

Students may proceed towards the degree at a rate of their own choosing, except as provided below:

1. The recommended course load for full-time students in each of the Fall and Winter terms is no more than five courses. The maximum course load in the Fall/Winter Session is six courses (full-course equivalents).
2. The maximum course load during the Summer Session is two courses.
3. Students in the Faculty of Arts & Science are limited to a term load of six courses in each of the Fall and Winter terms. College Registrars may approve an exception to this limit where circumstances warrant. Students who exceed the term load limit will be removed from excess courses.
4. Students “On Academic Probation” may take no more than five courses in each of the Fall and Winter terms and no more than two courses in each of the Summer terms, except as provided under “students restricted to a reduced course load” (see 5. below).
5. Students restricted to a reduced course load on admission may take no more than 2.5 courses over the Fall/Winter Sessions. They may take no more than 3 course activities in a Fall or Winter term unless approved by their College Registrar. They may take a maximum of 1.0 course in the Summer Session. Students restricted to part-time studies who wish to transfer to full-time studies should consult with their College Registrar.
6. Students should attempt to balance their course load between the Fall and Winter Sessions.
7. To calculate course loads, students should consult this Calendar together with the Registration Instructions & Timetable. The code “Y1” or “H1” in a course code in the Calendar indicate the credit value: Y1 = a full course, for which one credit is given, e.g., ANT 100Y1 H1 = a half-course, for which one-half credit is given, e.g., HIS 332H1
8. In the Timetable a section code is associated with a course code to indicate when the course is offered:

F = first half of the Fall-Winter Sessions (Sept-Dec), or first half of the Summer Session (May-June), e.g., HIS322H1 F

S = second half of the Fall-Winter Sessions (Jan-Apr), or second half of the Summer Session (July-Aug), e.g., HIS322H1 S

Y = Fall and Winter terms, or First and Second terms of the Summer Session, e.g., ANT100Y1 Y

9. Students should note that courses designated as “...Y1F” or “...Y1S” in the Timetable are particularly demanding.
10. In the Fall/Winter session, full-time students (except those in 4. and 13.) may select a sixth course after the priority period ends during the course enrolment cycle (see the Registration Instructions and Timetable for details).



11. Students are advised to use discretion if exceeding the recommended maximum of five courses in the Fall/Winter session. Students will not receive special consideration of any kind on account of enrolling in more than the recommended maximum. Examination schedules may be affected by this course load.

12. In each of the Fall and Winter Sessions, students who are in good standing may request to add additional courses, beyond six, through their College Registrar. In the Summer Session, students may request to add additional courses, beyond two, through their College Registrar. The College Registrar, following Faculty guidelines, has the discretion to approve or deny such requests. Students will not receive special consideration of any kind on account of a course overload. Examination schedules may be affected by a course overload. Note: students enrolled in Commerce programs cannot add additional courses beyond six in the Fall/Winter Sessions without approval from the Rotman Commerce Program Office.

13. Students are not allowed a course overload in any session until they have completed four full courses in the Faculty. This applies to first year students and transfer students from other institutions.

## Year of Study

The University of Toronto uses the following to define the year equivalency and therefore the academic status of a student:

4th year St. George degree student: has completed 14.0 full course equivalents or more;

3rd year St. George degree student: has completed 9.0 to 13.5 full course equivalents;

2nd year St. George degree student: has completed 4 to 8.5 full course equivalents;

1st year St. George degree student: has completed less than 4 full course equivalents.

## Full/Part-Time Status

### Part-time status

- A student enrolled in 2.5 full course equivalents or fewer for the Fall-Winter sessions is considered to be part-time.
- A student enrolled in 1.0 full-course equivalents or fewer for the Summer session is considered to be part-time.

### Full-time status

- A student enrolled in 3.0 full course equivalents or more for the Fall-Winter sessions is considered to be full-time.
- A student enrolled in 1.5 full-course equivalents or more for the Summer session is considered to be full-time.

## Cancelling Courses, Repeating Courses, Courses Outside the Faculty and University

For further information on these matters see the Rules and Regulations section.

## Codes Used in the Course Descriptions

### Course Designators

Course designators are the three-letter codes which appear at the beginning of each course code (e.g., CHM is the designator for chemistry courses; PHL for philosophy courses).

All courses are listed in the sponsoring department's section in the Calendar. See the home page (under Programs & Courses) for sponsoring departments.

### Course Number

The course number generally indicates the level of difficulty, e.g., a 100-series course normally indicates an introductory course, a 400-series course is an intensive course at the senior level. In some departments several courses may have the same general title; in these cases, the numbers are listed together, separated by “/” which means “OR”; for instance, “ECO 350Y1/351H1/352H1” = ECO 350Y1 OR ECO 351H1 OR ECO 352H1, each one being a seminar on a selected subject.

### “Y1” and “H1” Course Suffixes

The codes “Y1” or “H1” in a course code in the Calendar indicate the credit value:

- Y1 = a full course, for which one credit is given, e.g., ANT 100Y1
- H1 = a half-course, for which one-half credit is given, e.g., HIS 322 H1.

### Types and Duration of Instruction

- L= Lectures
- S= Seminars
- P= Practical work in laboratories or studios
- T= Tutorials

In the Fall-Winter Sessions the normal period of instruction is 24 weeks; the Fall Session lasts 12 weeks, and the Winter Session lasts 12 weeks. The number preceding the instruction codes opposite the course number and title indicates the total number of hours of instruction given in the course. The number of hours listed is approximate only; the actual contact hours of a course, or of different sections of a course, may vary from the number indicated in the Calendar, due to the size of the class or section, and the use being made of the tutorial or practical components of the class. This variation is at the discretion of the “course sponsor” (the college or department sponsoring the course); any questions concerning the allotment of hours in a course should be addressed to the course sponsor.

### Prerequisites, Co-requisites, etc.

Students are responsible for fulfilling prerequisites and co-requisites; students enrolled in courses for which they do not have the published prerequisites may have their registration in those courses cancelled at any time without warning. Students must also observe exclusions. Failure to meet these requirements may result in academic difficulties. If students withdraw from a course they must also withdraw from any course for which it is a co-requisite unless the Department giving the latter course agrees to waive the co-requisite.

### Explanation of Symbols

The comma (,) the semi-colon(;) the ampersand (&) and the plus sign (+) all mean “AND”. The slash (/) means “OR”.

### Exclusions

Students may not enrol in a course if that course lists as an exclusion a course they are currently taking or a course they have already passed. If allowed by special permission to enrol in an excluded course, the second course taken will be listed as an “Extra” course. Students will be required to withdraw from the course if discovered during the session of enrolment and will be refused degree credit in the excluded course if discovered at any time in a subsequent session.

### Prerequisite

A course (or other qualification) required as preparation for entry to another course. If students consider that they have equivalent preparation, they may ask the Department concerned to waive the stated prerequisite.

### Co-requisite

# Guide to Program & Course Descriptions

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A requirement to be undertaken concurrently with another course. The co-requisite will be waived if a student has previously obtained standing in it, or if the Department consents.

## Recommended Preparation

Background material or courses that may enhance a student's understanding of a course.

This image shows a course description in diagram form, with explanations of all the various symbols.

## Section Code

Section codes do not appear in the Calendar. In the Registration Instructions & Timetable, however, a section code is listed with a course code to indicate when the course is offered:

- F = first half of the Fall-Winter Sessions (Sept-Dec), or first half of the Summer Session (May-June), e.g., HIS 322H1 F
- S = second half of the Fall-Winter Sessions (Jan-Apr), or second half of the Summer Session (July-Aug), e.g., HIS 322H1 S
- Y = Fall and Winter sessions, or First and Second subsessions of the Summer Session, e.g., ANT 100Y1 Y

## Rules and Regulations

**While Departmental counsellors and the Registrars of the Colleges are always available to give advice and guidance, it must be clearly understood that THE ULTIMATE RESPONSIBILITY RESTS WITH THE STUDENT for completeness and correctness of course selection, for compliance with prerequisite, co-requisite requirements, observance of exceeded courses, etc., for completion of Program details, for proper observance of degree requirements, the Distribution/Breadth Requirement and for observance of regulations, deadlines, etc. Students are responsible for seeking guidance from a responsible officer if they are in any doubt; misunderstanding, or advice received from another student will not be accepted as cause for dispensation from any regulation, deadline, program or degree requirement.**

**Students should also note the Important Notices section of this Calendar.**

## Registration

Details of the procedures by which students of the Faculty of Arts & Science register -- enrol in courses for which they are eligible, and pay or make arrangements to pay fees -- are found in the Registration Instructions online: [www.artsci.utoronto.ca/current/course/timetable](http://www.artsci.utoronto.ca/current/course/timetable).

## Taking Courses Outside the Faculty

### Courses at University of Toronto Scarborough and University of Toronto Mississauga

Students registered on the St. George campus of the Faculty of Arts & Science may enrol in most courses offered by University of Toronto Mississauga and University of Toronto Scarborough, provided that they meet the enrolment controls and prerequisites established by those divisions. These courses count towards the 20 credits required for a St. George degree and are included in the CGPA. These courses may also count towards St. George program requirements; students should check with their program office before enrolling. Students enrolling in UTM and UTSC courses should also note that, although academic and course refund deadlines may be different for UTM/UTSC students, Arts & Science must adhere to all Faculty of Arts & Science deadlines when taking UTM/UTSC courses (e.g. enrolment deadlines, drop deadlines, CR/NCR deadlines, refund deadlines, etc.)

### Courses of Other Divisions

Students should select their courses from those offered in the Faculty of Arts & Science (except courses that are required for an Arts & Science program). If, however, they identify a course(s) offered in another division, faculty or school of the University that may be appropriate for inclusion in their program(s), they must petition for permission to enrol or remain enrolled in the course for degree credit. In the petition, students must establish that the content and aims of the course(s) are valid for an Arts & Science program and cannot be met by courses offered within the Faculty of Arts & Science. The students should initiate the procedure well in advance of the beginning of classes, so that they may choose alternate courses should the request be denied. The Faculty will not accept as reasons for taking courses in other divisions the wish to satisfy qualifying requirements for programs and organizations outside the Faculty or to prepare for non-academic or professional purposes. Students should seek the approval of their program sponsor to count such a course toward the program's requirements, before petitioning and

well before the course begins.

Non-degree students in this Faculty may enrol in courses given by this Faculty or the University of Toronto Mississauga or the University of Toronto Scarborough only. They may not request permission from the Faculty to enrol in courses from other divisions.

### Graduate Courses

In exceptional circumstances, undergraduate degree students in the Faculty of Arts & Science may be granted permission to count a graduate course toward their undergraduate degree. Permission to enrol in a graduate course sponsored by graduate departments in divisions other than the Faculty of Arts & Science requires a petition, as above. Permission to enrol in a graduate course sponsored by a Faculty of Arts & Science department requires the written permission of the sponsoring department. Not all departments allow this, even in exceptional circumstances; others may require a minimum GPA and/or the instructor's permission.

Students making such requests should use the form available on the Faculty website at [www.artsci.utoronto.ca/current/forms-services/pdfs/Grad\\_course\\_request\\_form.pdf](http://www.artsci.utoronto.ca/current/forms-services/pdfs/Grad_course_request_form.pdf). Students are expected to have already exhausted all undergraduate courses available in the Faculty in the relevant subject area before requesting to enrol in a graduate course.

Note that permission to count a graduate course toward a student's program requirements is a separate matter and at the discretion of the relevant program. For degree requirement purposes, a graduate course will count as a 400-level course.

### Courses of Other Universities (Letters of Permission and Transfer Credit)

Degree students with a cumulative grade point average of at least 1.50 may take a maximum of 5.0 full-course equivalents elsewhere for transfer credit. Students admitted with transfer credit may be limited in the number of courses that they may transfer after admission and should consult the chart available on the web at [www.artsci.utoronto.ca/current/tc/postadmission/eligibility](http://www.artsci.utoronto.ca/current/tc/postadmission/eligibility). Prior to taking courses at another Canadian or U.S. university, students are advised to request a Letter of Permission to confirm acceptability of those courses for transfer credit. For other universities, students may submit a request for transfer credit after completing courses elsewhere. Permission obtained from an instructor or from a department for program purposes, however, does not obligate the Faculty to grant transfer credit. There is a \$40.00 non-refundable charge for each Letter of Permission and associated Addendum request and a \$25.00 non-refundable fee for each Transfer Credit request. Assessments of transfer credit may take several weeks to process depending on the time of year and the nature of the request. Applicants are responsible for submitting requests well in advance of any deadlines they must meet and for obtaining the appropriate counselling concerning the Letter of Permission and/or Transfer Credit process.

Note:

Only one transfer credit may be used to satisfy the requirement of 300+ series courses for the degree. Please refer to the Letters of Permission and Transfer Credit (Post-Admission) Guidelines on the Registrar's Office web site at [www.artsci.utoronto.ca/current/tc/postadmission](http://www.artsci.utoronto.ca/current/tc/postadmission).

### International Opportunities

See the section on Student Services & Resources for international opportunities for Arts & Science.

## Course Loads

For more information on course loads please refer to the Guide to Programs & Courses section.

### Fall/Winter session

The maximum course load in the Fall/Winter session is six courses (6.0 FCEs). The recommended course load for full-time students in each of the Fall and Winter terms is no more than five courses. Students are limited to a term load of six courses in each of the Fall and Winter terms; those who exceed this term load limit will be removed from excess courses.

### Summer session

The maximum course load during the Summer session is two courses (2.0 FCEs).

## Cancelling Courses or Registration

### Cancelling Courses

Students who do not intend to complete a course or courses must cancel the course on ACORN ([www.acorn.utoronto.ca](http://www.acorn.utoronto.ca)) before the final date to cancel courses from the academic record (see Sessional Dates). Students still enrolled in a course after the final date to cancel the course will receive a grade for that course (unless Late Withdrawal is requested; see below for details). Not attending classes or ceasing to complete further course work or not writing the examination do not constitute grounds for cancellation without academic penalty from a course; the course remains on the record with the grade earned, including "0" for incomplete work.

Students are not permitted to cancel or withdraw from a course in which an allegation of academic misconduct is pending from the time of the alleged offence until the final disposition of the accusation.

### Cancelling Registration

Students who wish to cancel all their current courses in a Fall/Winter or Summer session, and do not intend to enrol in any other courses for the rest of the session must cancel their registration on ACORN ([www.acorn.utoronto.ca](http://www.acorn.utoronto.ca)) or notify their College Registrar in writing. The cancellation of registration must be completed by the appropriate deadline in order for the student not to incur an academic penalty. When cancelling their registration, students must:

1. Pay any outstanding fees;
2. return any books to the Library and pay any outstanding fines;
3. vacate any laboratory or athletic lockers and return any equipment in their possession.

**Please note:** Students who have not achieved final standing (e.g. a final grade or CR/NCR) in at least one course in the Faculty previously must re-apply for admission through the Ontario Universities Application Centre if they wish to return in the future.

## Fees

Fees are subject to change at any time by approval of the Governing Council. Tuition fees normally consist of academic fees (including instruction and library) and incidental/ancillary fees (including Hart House, Health Services, Athletics and student organizations). Additional ancillary fees may also be assessed for enrolment in some specific courses. Consult the Student Accounts web site or the Bursar of Trinity College (Trinity students).

### Fees and Payment

Payments to cover fees may only be made at financial institutions, not in person—consult the Registration Instructions & Timetable or the Office of Student Accounts website ([www.fees.utoronto.ca](http://www.fees.utoronto.ca)) for further details.

### Payment Deadlines

Deadlines are available from the Student Accounts Office or from the Trinity College Bursar's Office (Trinity students).

To avoid delays, students are advised to pay fees early.

All fees and charges posted to your account are deemed payable. If not paid in full, any outstanding account balance is subject to a monthly service charge of 1.5% per month compounded (19.56% per annum). Outstanding charges on your account from prior sessions are subject to a service charge as of the 15th of every month until paid in full.

Students with outstanding accounts may not receive official transcripts and may not re-register at the University until these accounts are paid.

### Fees for International Students

In accordance with the regulations of the Government of Ontario, certain categories of students who are neither Canadian citizens nor permanent residents of Canada are charged higher academic fees. Refer to the Student Accounts web site at [www.fees.utoronto.ca](http://www.fees.utoronto.ca) for details.

Further information on fees may be obtained by students of Innis, New, St. Michael's, University, Victoria and Woodsworth Colleges from the Student Accounts Office, University of Toronto, 215 Huron St., Toronto, Ontario, M5S 1A2; 416-978-2142. Students of Trinity College should consult their College Bursar.

### Financial Assistance

A limited number of in-course bursaries, scholarships and awards is available to students who need financial assistance or who qualify for them on the basis of academic merit. Information on these, and the Ontario Student Assistance Program, is available on the following web sites:

Faculty of Arts & Science web site ([www.artsci.utoronto.ca/current/scholarships](http://www.artsci.utoronto.ca/current/scholarships))  
Enrolment Services web site ([www.adm.utoronto.ca](http://www.adm.utoronto.ca))  
College Registrars' office web sites ([www.artsci.utoronto.ca/current/advising/colleges](http://www.artsci.utoronto.ca/current/advising/colleges))

### Sanctions on Account of Outstanding Obligations

The following are recognized University obligations:

- tuition fees
- academic and other incidental fees

- residence fees and other residence charges
- library fines
- Bookstore accounts
- loans made by colleges, faculties or the University
- Health Service accounts
- unreturned or damaged instruments, materials and equipment
- orders for the restitution, rectification or the payment of damages, fines, bonds for good behaviour, and requirement of public service work imposed under the authority of the Code of Student Conduct.

The following academic sanctions are imposed on Arts & Science students who have outstanding recognized University obligations:

1. Official transcripts of record will not be issued.
2. The University will not release the diploma nor provide oral confirmations or written certification of degree status to external enquirers.  
Indebted graduands will be allowed to walk on stage and have their names appear on the convocation program but will not receive their diploma until their account is paid.
3. Registration will be refused to a continuing or returning student.
4. Official letters (e.g., degree eligibility, confirmation of graduation, QECO) will not be issued.
5. Education verifications may not be issued.

Payments made by continuing or returning students will first be applied to outstanding University debts and then to current fees.

## Course Marks

### Term Work and Term Test Regulations

The following regulations summarize the Faculty's implementation of the University Assessment and Grading Practices Policy, Parts A and B, available on the Governing Council web site at [www.governingcouncil.utoronto.ca/policies.htm](http://www.governingcouncil.utoronto.ca/policies.htm) (however grade scales relevant to the Faculty of Arts & Science can be seen below).

### Marking Schemes

As early as possible in each course, and no later than the last date to enrol in the course, the instructor shall make available to the class, and shall file with the division/faculty or department, the course marking scheme, i.e., methods by which student performance shall be evaluated. This should include whether the methods of evaluation will be essays, tests, class participation, seminar presentations, examinations, or other requirements; the relative weight of these methods in relation to the overall grade; and the timing of each major evaluation.

No essay, test, examination etc. in the marking scheme may be assigned a weight of more than 80% of the course grade. This limit does not apply when an instructor makes an accommodation at a student's request to take into account assessments missed for legitimate, documented reasons.

After the marking scheme has been made known by the last date to enrol in the course, the instructor may not change it or the relative weight of assessments without the consent of a simple majority of students attending the class, provided the vote is announced no later than in the previous class. Any changes must be reported to the division or the department. The only exception to this is in the case of the declaration of a disruption. [Please see the University's Policy on Academic Continuity.]

In the event that this policy has not been followed, a student may petition to have the course removed from the record, provided such a petition is

filed no later than the last day of classes.

### Term Work

Instructors shall return by the deadline one or more marked assignments worth a combined total of at least 10% of the total course mark for H courses and 20% for Y courses.

The deadline for returning such marked work shall be the last regularly-scheduled class meeting prior to the deadline to cancel without academic penalty, with one exception: for courses that run the entire Fall/Winter Session (Y1Y or H1Y courses), the deadline shall be the last regularly-scheduled class meeting of the first week of classes in January.

All term work must be submitted on or before the last day of classes in the course concerned, unless an earlier date is specified by the instructor. Students who for reasons beyond their control are unable to submit an assignment by its deadline must obtain approval from their instructor for an extension of the deadline. This extension may be for no longer than the end of the Final Examination period. If additional time beyond this period is required, students must petition through their College Registrar before the end of the examination period for a further extension of the deadline. (See section below on Petitions)

Students are strongly advised to keep rough and draft work and copies of their essays and assignments, as these may be required by the instructor.

All written work that has been evaluated should be returned to the student with such detailed comment as the instructor deems appropriate, and time made available for discussion of it. Any enquiries or appeals about a graded piece of work must be made to the instructor as soon as possible and no later than two weeks after the work was returned. Instructors must keep unclaimed term work for at least six months beyond the end of the course.

### Term Tests

No term test or combination of term tests held in the last two weeks of classes at the end of any term may have a total weight greater than 25% of the final mark. This includes term tests in Y courses held in December, and also includes "take-home tests" and assignments where the topics or questions are both assigned and due with the last two weeks of classes.

All term tests must be held on or before the last day of classes. No term test may be held during Reading Week in February, during the Study Break in April, or during Faculty Examination Periods, except for those in F or Y-courses scheduled by the Faculty in the December Examination Period.

### Missed Term Tests

Students who miss a term test will be assigned a mark of zero for that test unless they satisfy the following conditions:

1. Students who miss a term test for reasons beyond their control may, no later than one week after the missed test, submit to the instructor or department/program a request for special consideration explaining the reason for missing the test, and attaching appropriate documentation, such as the Verification of Illness or Injury form ([www.illnessverification.utoronto.ca](http://www.illnessverification.utoronto.ca)).
2. If a request with documentation cannot be submitted within one week, the department may consider a request to extend the time limit.
3. A student whose explanation is accepted by the department will be entitled to one of the following considerations:
  - a) Where practicable, the student may be offered the opportunity to do

# Rules & Regulations

- a make-up test.
- b) Where a make-up test is not practicable or the student's circumstances do not permit a make-up test, the instructor may allocate the percentage weight of the test to any combination of the remaining term work and/or final exam in the course.
- c) If the student misses the remaining term work for acceptable reasons, the full percentage weight of the missed work may be allocated to the final exam. Exception: the weight of a final exam in a 100-series course may not be increased beyond 80% as an initial accommodation for a legitimate absence. However, if the student misses the make-up opportunity or subsequent test that was to be re-weighted, then the weight of the final exam may be increased beyond 80%.
- d) In courses where the mid-term test is the only marked work in the course other than the final examination, an initial make-up test opportunity normally must be given.
4. No student is automatically entitled to a second make-up test opportunity. The department will determine what accommodation is appropriate for a student who misses a make-up test for legitimate reasons.
5. A student who misses a term test cannot subsequently petition for late withdrawal from the course without academic penalty on the grounds that he or she has had no term work returned before the drop date.

## Requests for Re-Marking of Term Work

A student who believes an individual item of work has been incorrectly or unfairly marked may request that it be remarked. Such requests should be made initially to the instructor in the course as soon as possible after the work was returned, and **no later than two weeks after it was returned**.

If an instructor refuses the request to remark a piece of work, or if the student believes the remarking was incorrect or unfair, the student may appeal to the Undergraduate Coordinator (e.g. Associate Chair who is acting on behalf of the Chair) of the department or program sponsoring the course.

Appeals beyond the program or department should be made to the Office of the Dean. Such appeals about the marking of term work must be made in writing. They will be reviewed to ensure that appropriate procedures have been followed in earlier appeals, that the student has been treated fairly, and that the standards applied have been consistent with those applied to other students doing the assignment. The Office of the Dean is the final level of appeal for marks in the Faculty of Arts & Science; no further appeal is possible.

**An appeal of a mark beyond the instructor for term work may only be made for an item worth at least 20% of the course mark.**

All appeals beyond the instructor must be made in writing in a timely manner, and **no later than two weeks after the work was returned**, explaining why the student believes the mark was inappropriate and summarizing all previous communications in the matter.

**Students making a request for a remarking must accept that the resulting mark will become the new mark, whether it goes up or down or remains the same.**

## Faculty Final Examinations

A Faculty final examination counting for between one-third and two-thirds of the final mark must be held in each 100-series course, unless exemption has been granted by the Faculty of Arts & Science. Courses in the 200-series will normally have a final examination. In 200-, 300- and 400-series courses, the Departments will decide whether or not an examination is appropriate. The ratio of term work to examination mark will be the same for all sections of multi-section courses that have final examinations. The relative value of each part of a written examination must be indicated on the question paper.

Final examinations are held at the end of each session or sub-session. Students taking courses during the day may be required to write evening examinations, and students taking evening courses may be required to write examinations during the day. Examinations may be held on Saturdays. Students who make personal commitments during the examination period do so at their own risk. No special consideration is given and no special arrangements are made in the event of conflicts resulting from personal commitments.

Students who are unable to write their examinations due to illness, etc., should contact their College Registrar (see "Petitions Regarding Examinations", below).

Students who have two Faculty final examinations at the same time, or three consecutive Faculty final examinations (e.g., morning, afternoon, evening; or afternoon, evening, next morning) **should report the conflict to the Office of the Faculty Registrar by the deadline shown on the examination schedule**. Information regarding dates, times and locations of examinations will not be given by telephone or email; for the most up to date examination timetable consult the Faculty's current students web site at [www.artsci.utoronto.ca/current](http://www.artsci.utoronto.ca/current).

Students who cannot write a final examination at the scheduled time because of a religious obligation should report this conflict to the Office of the Faculty Registrar as soon as the conflict is known, and no later than the deadline shown on the examination schedule.

## Rules for the Conduct of Examinations

1. No person will be allowed in an examination room during an examination except the candidates concerned and those supervising the examination.
2. Candidates must appear at the examination room at least twenty minutes before the commencement of the examination.
3. Candidates shall bring their photo identification (signed Photo ID) and place it in a conspicuous place on their desks. Photo identification may include any one of the following, as long as it contains a photo and a signature: current University of Toronto Photo ID (TCard) OR up-to-date Passport (any country) OR current Driver's License (any country) OR current Canadian health card (any province or territory).
4. Candidates shall place their watch or timepiece on their desks.
5. All coats and jackets should be placed on the back of each candidate's chair. All notes and books, pencil cases, turned off cell phones, laptops and other unauthorized aids as well as purses should be stored inside candidate's knapsack or large bag, which should then be closed securely and placed under candidate's chair. Candidates are NOT allowed to have a pencil case on their desk and any pencil cases found on desks will be searched. All watches and timepieces on desks will be checked. Candidates are not allowed to touch their knapsack or bag or the contents until the exam is over. Candidates are not allowed to reach into the pockets or any part of their coat or jacket until the exam is over.
6. The Chief Presiding Officer has authority to assign seats to candidates.

7. Candidates shall not communicate with one another in any manner whatsoever during the examination. Candidates may not leave the examination room unescorted for any reason, and this includes using the washroom.
8. No materials or electronic devices shall be brought into the room or used at an examination except those authorized by the Chief Presiding Officer or Examiner. Unauthorized materials include, but are not limited to: books, class notes, or aid sheets. Unauthorized electronic devices include, but are not limited to: cellular telephones, laptop computers, calculators, MP3 players (such as an Ipod), Personal Digital Assistants ("PDA" such as a Palm Pilot or Blackberry), pagers, electronic dictionaries, Compact Disc Players, Mini Disc Players, Smart Watches and Smart Glasses.
9. Candidates who bring any unauthorized materials or electronic devices into an examination room or who assist or obtain assistance from other candidates or from any unauthorized source are liable to penalties under the Code of Behaviour on Academic Matters, including the loss of academic credit and expulsion.
10. In general, candidates will not be permitted to enter an examination room later than fifteen minutes after the commencement of the examination, nor to leave except under supervision until at least half an hour after the examination has commenced.
11. Candidates shall remain seated at their desks during the final ten minutes of each examination.
12. At the conclusion of an examination, all writing shall cease. The Chief Presiding Officer may seize the papers of candidates who fail to observe this requirement, and a penalty may be imposed.
13. Examination books and other material issued for the examination shall not be removed from the examination room except by authority of the Chief Presiding Officer.

## THE UNIVERSITY IS NOT RESPONSIBLE FOR PERSONAL PROPERTY LEFT IN EXAMINATION ROOMS

## Credit/No Credit

Degree students in the Faculty of Arts & Science may select up to 2.0 full-course equivalents of their degree credits to be assessed on a Credit/No Credit basis. This option is available for Arts & Science students taking courses offered by the St. George Campus Faculty of Arts & Science, the John H. Daniels Faculty of Architecture, Landscape and Design, the University of Toronto Mississauga, or the University of Toronto Scarborough. Some courses may not be eligible for CR/NCR -- check with the course Calendar or the relevant division.

**Students must choose this mode of assessment no later than the last date to cancel the relevant course. Once the deadline has passed, students may not reverse this decision.** Students may add or remove the CR/NCR option on ACORN ([www.acorn.utoronto.ca](http://www.acorn.utoronto.ca)). See the Faculty's website for full details of the CR/NCR option: [www.artsci.utoronto.ca/current/forms-services/crnrcr](http://www.artsci.utoronto.ca/current/forms-services/crnrcr)

To achieve a status of CR (Credit), a student must achieve a final mark of at least 50%. Marks below that will be assessed as NCR (No Credit). Courses with a final status of CR will count as degree credits but will have no effect on the student's GPA. They will count as Distribution Requirements, Breadth Requirements, and degree credits, but **cannot be used to satisfy program requirements or the 12.0 different FCE requirement between programs for a student's degree unless explicitly permitted by the program.**

Courses with a final status of NCR will not count as degree credits but will not count as failures, and will also not be included in the GPA calculation.

Students may exercise this option to a total of 2.0 full-course equivalents throughout their degree studies. The choice is not restricted as to year or level of course.

Students taking a course on a CR/NCR basis will not be identified individually to the instructor teaching that course; they will be assessed in the same way as all other students in the course, i.e. will have the same assignments and tests and will be evaluated with the same expectations.

This option is not available to Arts & Science non-degree students or to students from other faculties/divisions of the University of Toronto, except for undergraduate degree students in the John H. Daniels Faculty of Architecture, Landscape and Design.

**Note to graduating students:** The CR/NCR option is only open to degree students. Once students have graduated, they become non-degree students and they may not complete courses on a CR/NCR basis, even if they enrolled in the course before their graduation. This means if a student is graduating in June and they select a summer course as CR/NCR or if a student is graduating in November and they enroll in a fall or winter course as CR/NCR, the CR/NCR option will be removed and a percentage grade will appear on the student's record.

Students opting to do courses on a CR/NCR basis should be aware that their underlying percentage/letter grade will not be released or reported in any way. If a specific grade may be required in a course for professional/graduate school applications or for other reasons in the future, students should NOT choose the CR/NCR option.

Students who transfer to the Faculty of Arts & Science from the John H. Daniels Faculty of Architecture, Landscape and Design, University of Toronto at Mississauga (UTM) or University of Toronto at Scarborough (UTSC) will have all Daniels Faculty/UTM/UTSC CR/NCR options (if any) included in their Arts & Science academic record. These CR/NCR options are counted towards the 2.0 FCE maximum.

The CR/NCR option cannot be used for a course in which the student has committed an academic offence. If a student has specified the CR/NCR option in a course in which he or she commits an academic offence, the CR/NCR option will be revoked and the percentage grade will stand as the course grade.

The following courses are not eligible to be taken as CR/NCR: courses where an individual student works on independent study or individual research supervised by a professor; First Year Seminars (199s)/Research Opportunity Program (299s)/Research Excursions (399s); Foundational Year Program courses (College Ones, Munk One); Rotman Commerce (RSM) courses; field courses; courses evaluated on a Pass/Fail basis.

## Late Withdrawal – LWD

The Faculty of Arts & Science has a mechanism to assist students, in conjunction with their college registrars, to remedy situations, particularly in their early years at university, where personal or other circumstances mean they are irretrievably behind in a course.

Degree students in the Faculty of Arts & Science may request to withdraw without petition from a total of no more than 3.0 FCEs, provided such a request is made by the last day of classes in the relevant term. Non-degree students may also request LWD, provided they do not exceed the 3.0 FCE maximum throughout their combined degree and non-degree studies.

Students will make such requests to their college registrar, who has the authority to approve such requests if the circumstances warrant approval

# Rules & Regulations

of an exception to the normal Drop deadlines.

Withdrawals approved under this procedure will be noted on the academic record by the course status LWD (Late Withdrawal). This course status will have no effect on the GPA or other elements of the academic record.

Students who have fallen behind with assignments or are not at all prepared to write exams in one or more of courses will be expected to make use of this remedy, and should contact their college registrar's office immediately.

Students seeking to avail themselves of this remedy will be expected to work with their college registrarial advisor to analyze what led to their predicament, to discuss what steps they can take to prevent it from happening again, and to learn from their experiences.

Students who transfer to the Faculty of Arts & Science from University of Toronto at Mississauga (UTM) or University of Toronto at Scarborough (UTSC) will have all UTM/UTSC LWD requests (if any) included in their Arts & Science academic record. These LWD requests are counted towards the 3.0 FCE maximum.

Future petitions for Withdrawal, Deferred Exams, or Extensions for Term Work will be considered in light of the fact that the student has previously been granted such an opportunity.

Note that the option for Late Withdrawal is not available if an allegation of academic misconduct is under investigation. If LWD was previously granted in the course, it will be revoked and the percentage grade will stand as the course grade.

**Please note:** Students who have not achieved final standing (e.g. a final grade or CR/NCR) in at least one course in the Faculty previously must re-apply for admission through the Ontario Universities Application Centre if they wish to return in the future. Late Withdrawal (LWD) does not constitute final standing in a course.

## “Extra” Courses: 100-level, Repeating and Excluded Courses

"Extra" courses are ones that do not count for degree credit. Such courses appear on a student's permanent academic record with the final course mark, and are noted as "EXT", but do not count as accumulated degree credits and are not included in calculating a student's Grade Point Average. However, Extra courses may count in other respects, such as to satisfy program requirements or breadth/distribution requirements.

Each course with a passing mark or CR counts for credit towards a degree unless:

- the course is a 100-level course and the maximum of six 100-level courses (6.0 FCEs) allowable for degree credit has already been completed (see 1. below), or
- the course repeats work previously taken, either the same course taken over again (see 2. below) or the course lists as an exclusion another that has already been completed (see 3. below)

### 1. 100-level Limit and Chronological Principle

Students may complete a maximum of 6.0 100-level FCEs towards their degree. Additional 100-level courses taken beyond 6.0 will be designated "extra" and will not count for degree credit. Courses are credited towards a degree chronologically. For example, if a student has already passed 6.0 100-level courses and then enrolls in and passes further 100-level courses, the more recent courses are designated "extra". In other words, all subsequent 100-level courses beyond 6.0 FCEs are made extra. An exception to this rule occurs

when a student who has completed 5.5 100-level courses enrolls in and passes a full course at the 100-level in a subsequent session. In this case, providing it does not result in a retroactive change in academic standing, the most recently passed half-course may be designated as "extra".

### 2. Repeating Passed Courses

Students (both degree and non-degree) may not repeat any course in which they have already obtained credit (i.e., a mark of 50% or higher or CR) with two exceptions:

i) When students need to achieve a minimum mark in a course for entry to a limited-enrolment program or for meeting a prerequisite to take another course in their program, they may repeat such a course once. The repeated course will be designated "extra": it will appear on the academic record but it will not be included in GPA calculations or in the degree credit count.

ii) Students may repeat up to 1.0 FCE in which they have already obtained credit for reasons other than to meet a minimum mark for entry to a limited-enrolment program or for course prerequisite purposes. The repeated course will be designated "extra": it will appear on the academic record but it will not be included in GPA calculations or in the degree credit count. Students may not use this one-time-only allowance to subsequently repeat a passed course again after having repeated the same course for reasons noted in i) above, i.e., they may repeat a specific passed course only once. Students requesting to repeat a course must do so at their college registrar's office, where they will receive appropriate advising and will be enrolled, provided there is space available, only after other degree students have had an opportunity to enroll.

### 3. Exclusions

Students may not enroll in a course that lists as an exclusion a course they are currently taking or a course they have already passed. If they enrol in such a course, they may be removed at any time during the enrolment period, or during the session at the discretion of the department, or the course will be designated "extra": it will appear on the academic record but it will not be included in GPA calculations or in the degree credit count.

## Grading Regulations

### Grades Review Procedure

The Faculty of Arts & Science implements the Grading Regulations, reviews course grades submitted by Departments and posts the official grades. Official grades are communicated to the students via the Student Web Service.

Each Department has an appointed faculty member (e.g. a Chair, Program Director, Vice Principal) who is responsible for reviewing grades submitted by instructors. This appointed faculty member may ask for clarification of any anomalous results or distributions, or disparity between sections of the same courses. Both the appointed faculty member and the Dean have the right, in consultation with the instructor of the course, to adjust marks where there is an obvious and unexplained discrepancy between the marks submitted and the perceived standards of the Faculty. Final marks are official, and may be communicated to the students only after the review procedure has taken place. Grades, as an expression of the instructor's best judgment of each student's overall performance, will not be determined by any system of quotas.

### GPA Equivalency Chart

Percentage	Letter Grade	Grade Point Value *	Grade Definition
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## Rules & Regulations

90-100	A+	4.0	Excellent	Strong evidence of original thinking; good organization; capacity to analyze and synthesize; superior grasp of subject matter with sound critical evaluations; evidence of extensive knowledge base.
85-89	A	4.0	80-84	A-
3.7	77-79	B+	3.3	Good
Evidence of grasp of subject matter, some evidence of critical capacity and analytic ability; reasonable understanding of relevant issues; evidence of familiarity with literature.	73-76	B	3.0	70-72
B-	2.7	67-69	C+	2.3
Adequate	Student who is profiting from his/her university experience; understanding of the subject matter; ability to develop solutions to simple problems in the material.	63-66	C	2.0
60-62	C-	1.7	57-59	D+

1.3	Marginal	Some evidence of familiarity with subject matter and some evidence that critical and analytic skills have been developed.	53-56	D
1.0	50-52	D-	0.7	0-49

\* The grade point values above apply to marks earned in **individual courses**; grade point averages (SGPAs/AGPAs/CGPAs) are weighted sums of the grade points earned (see below), and thus do not necessarily correspond exactly to the scale above.

Note:

In order to "obtain standing" in a course, a student must receive at least a passing grade (50%) in that course. A Grade of "F" is a failure. There are no supplemental examination privileges in the Faculty.

**Other notations**, which have no grade point values, and which may be authorized only by petition, are:

AEG - Aegrotat Standing on the basis of term work and medical evidence

CR/NCR - Credit/No Credit; see above

EXT or XTR or X - Extra course, not for degree credit; course has no effect on status or grade point average.

GWR - Grade withheld pending Review

IPR - (Course) In Progress

LWD - Late withdrawal without academic penalty

NGA - No grade available

P/FL - Pass/Failure. In cases where the FL grade is used in calculating grade point averages, the symbol "FL %" is used and a grade point value of 0.0 is assigned

SDF - Standing Deferred granted by petition

WDR - Late Withdrawal without academic penalty after the relevant deadline. Removal of a grade for incomplete work when withdrawal before the end of the course has been caused by circumstances beyond the student's control, arising after the last date for course cancellation. Changes to the record will be authorized by petition only in exceptional circumstances.

## Grade Point Average

The Grade Point Average (GPA) is the weighted sum (a full course is weighted as 1, a half-course as 0.5) of the grade points earned, divided by the number of courses in which grade points were earned.

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Courses that are not included in the GPA are: courses noted with the "AEG" standing, transfer credits, courses taken elsewhere on a Letter of Permission or as part of an exchange program, courses designated as "extra", and courses taken as CR/NCR.

Courses evaluated on a Pass/Fail basis: if a grade of Pass (P) is achieved, the course is not included in the GPA; if a grade of Fail (FL) is achieved, a grade point value of 0.0 is assigned and the course is included in the GPA.

Courses taken as Non-degree students and Non-degree visiting students are included in the GPA.

Four types of grade point averages are used:

1. The Sessional GPA is based on courses taken in a single term or session (Fall, Winter or Summer);
2. The Annual GPA is based on courses taken in the Fall/Winter Session;
3. The Cumulative GPA takes into account all courses taken in the Faculty, except those marked "extra" or taken as CR/NCR;
4. The Concurrent Teacher Education Program (CTEP) GPA takes into account all B.Ed. courses. This GPA is only used for CTEP students.

A Sessional, Annual, and Cumulative GPA is also calculated for all Non-degree and Non-degree visiting students. For Non-degree students who have completed a degree in the Faculty, the Cumulative GPA includes all courses taken both as a degree student and as a non-degree student.

## Academic Standing

There are four kinds of academic standing: In Good Standing; On Probation; On Suspension; Refused Further Registration. Academic standing is assessed for the first time at the end of the session in which a student achieves final standing in at least 0.5 credit (excluding Credit/No Credit, Pass/Fail, and courses marked extra) in the Faculty.

**Academic standing is assessed twice a year:**

1. At the end of the Fall/Winter Session; the GPAs used for this status assessment are the annual and the cumulative GPAs.
2. At the end of the Summer Session; the GPAs used for this status assessment are the sessional and the cumulative GPAs.

**In Good Standing:**

Students are described as In Good Standing if they are neither On Probation, Suspended nor Refused Further Registration; these terms are explained below. For students with particularly noteworthy academic results, there are three specific forms of recognition, which are described in the "Student Services & Resources" section.

**Probation; Suspension; Refused Further Registration**

1. A student shall be on academic probation who
  - a) has a cumulative GPA of less than 1.50 or
  - b) returns from suspension.
2. A student who, at the end of the Fall/Winter or Summer Session during which he or she is on probation
  - a) has a cumulative GPA of 1.50 or more shall be in good standing
  - b) has a cumulative GPA of less than 1.50 but an annual GPA of 1.70 or more (Fall/Winter Session)/sessional GPA of 1.70 or more (Summer Session) shall continue on probation.
  - c) has a cumulative GPA of less than 1.50 and an annual GPA of less than 1.70 (Fall/Winter Session)/sessional GPA of less than 1.70

(Summer Session) shall be suspended for one calendar year unless he or she has been so suspended previously, in which case he or she shall be suspended for three years.

3. A student who, having been suspended for three years, is again liable for suspension shall be refused further registration in the Faculty.

This image shows how Academic Standing is determined.

**NOTE: Students "On Academic Probation" may take no more than five courses in each of the Fall and Winter terms, and no more than two courses in each of the Summer terms.**

## Appeals and Petitions

Students are responsible for observing sessional dates, course prerequisites, and exclusions, satisfying the degree requirements and following the rules and regulations in the Calendar and the Registration Instructions. Failure to follow regulations, requirements and deadlines may result in academic and/or financial consequences or penalties, and failure to inform oneself about these will not be accepted as sufficient excuse to avoid these consequences. Students should always consult their College Registrar immediately for guidance if anything happens that interferes with continuing or completing their courses, or that appears to be contrary to rules, regulations and deadlines.

**Departmental Appeals**

Academic appeals concern issues arising within a course that relate to the pedagogical relationship of the instructor and the student, such as the organization of a course, grading practices, or conduct of instructors. These fall within the authority of the department or college sponsoring the course and are not the subject of petitions. Students are encouraged to discuss any issues regarding the academic aspects of a course first with the instructor. It is recommended that such discussions should be documented in writing where appropriate. The successive stages of appeal after the course instructor must be documented in writing. These successive stages are: the Undergraduate Coordinator or Associate Chair; the Chair of the Department or the College Program Director; then the Office of the Dean, Faculty of Arts & Science. An appeal must have been reviewed at the departmental level before being referred to the Dean's Office; appeals to the Dean's Office must be in writing.

**Petitions to the Faculty**

Petitions concern issues relating to degree requirements, academic regulations, examinations, and administrative rules. These may be petitioned to the Faculty, provided this is done prior to the specified deadlines. The Faculty recognizes that an exception may be required in the face of unpredictable, exceptional circumstances. In submitting a petition to have regulations waived or varied, students must present compelling reasons and relevant documentation, and must demonstrate that they have acted responsibly and with good judgment in attempting to observe Faculty regulations. Students are requested to present their entire case from the outset so their circumstances may be reviewed adequately for an equitable decision. The Committee on Standing routinely denies petitions that in its view do not present a valid reason for an exception to the regulations. Students are encouraged to seek advice on all such matters from the office of their College Registrar.

Petitions must 1) state the student's request; 2) provide the reasons why an exception should be made in a clear and concise manner; and 3) be accompanied by relevant supporting documentation. A petition is considered in confidence by the Committee on Standing, which is charged with interpreting and administering the regulations of the Faculty. The Committee has the authority to grant exceptions and to attach conditions to its decisions.

It is the responsibility of the student to provide a valid UofT email address to which a petition decision may be sent. Only UofT email will be used to reply to petitions. Non-receipt of a decision due to incorrect email address is not grounds for reconsideration.

## Deadlines to File Petitions

The deadlines for petitions are strictly enforced. If there are compelling reasons why a petition is being filed after the deadline, a covering letter explaining the reasons and requesting late consideration must accompany the petition. The issue of lateness must be satisfactorily resolved before the substance of the petition may be considered. Late petitions without sufficient reason for lateness will not be considered, no matter how compelling.

## Petitions for Term Work

- **Deadline:** The last day of the examination period.

## Petitions for Examinations

- **Deadline:** Within one week of the end of the examination period; end of first week of classes in January for the December examination period
- **UTM/UTSC courses:** **Deadline:** Within 72 hours of a missed examination, students must file a petition with their St. George Campus college registrar, with the required supporting documentation.

## Petitions for Withdrawal (see also Late Withdrawal above)

- **Fall-Winter Session courses:** **Deadline:** the following 15 November
- **Summer Session courses:** **Deadline:** the following 28/29 February

All documentation supporting petitions must be submitted as soon as possible, and no later than three weeks after the date the student initiates the petition.

Late petitions and petitions with late documentation will not be considered (as above).

## Documentation in Support of Petitions

The Faculty seeks documentation that provides pertinent evidence for decisions determining whether or not an exception should be made to regulations that are designed to ensure equitable treatment for all students. Acceptable forms of documentation are of two types:

### 1) Medical:

- The **only** medical documentation acceptable at the University of Toronto is the University's Verification of Illness or Injury Form (original document only, no faxed or scanned copies will be accepted), which may **only** be completed by Physicians/Surgeons, Nurse Practitioners, Dentists or Clinical Psychologists  
[www.illnessverification.utoronto.ca/](http://www.illnessverification.utoronto.ca/)

### 2) Non-Medical:

- College Registrar's Letter (appropriate in certain circumstances)
- Accessibility Services Letter (required for accessibility-related petitions)
- In some situations, other non-medical supporting documentation may be relevant. The Faculty has provided guidelines and a form that may be useful to those providing such documentation.  
[www.artsci.utoronto.ca/current/petitions/pdfs/supplemental\\_petition\\_documentation.pdf](http://www.artsci.utoronto.ca/current/petitions/pdfs/supplemental_petition_documentation.pdf)

## Medical Documentation:

If illness is being presented as the reason for the request for an exception or an accommodation, the claim of illness itself is not necessarily sufficient grounds to guarantee approval of the request. All cases are examined in their entirety before a decision is made: an illness

or injury's duration and resulting incapacitation are taken into account along with other relevant factors in the context of the course at issue. Note that the physician's report must establish that the patient was examined and diagnosed at the time of illness, not after the fact. The Faculty will not accept a statement that merely confirms a later report of illness made by the student to a physician.

## Petitions Regarding Courses in Other Divisions—see above.

## Petitions Regarding Term Work (see also Term Work)

Matters concerning term work normally fall within the authority of the instructor. Students unable to comply with given deadlines must contact their instructor prior to the deadline if an extension to the deadline is being requested. Students should expect no consideration if an issue is raised after the assignment deadline.

Normally, all term work must be submitted by the last day of classes, unless an earlier date has been specified by the instructor. Instructors may grant extensions beyond their own deadlines or beyond the last day of classes up until the last day of the examination period provided that a student presents legitimate reasons, e.g. illness, with appropriate documentation as determined by the instructor.

Extensions beyond the last day of the examination period can be approved only through a petition. Such petitions for an extension of time for term work must be initiated before the last day of the relevant examination period. Late requests will not be accepted. Students must file the petition after consultation with the instructor regarding a suitable extension date. The Committee on Standing consults the department concerned for information about the status of the course work, and the steps, if any, that must be taken to complete the course. Students seeking an extension of time for term work are expected to have been in contact with their instructor before the initial deadline and must continue working on the outstanding assignments while they await a decision.

## Petitions Regarding Examinations (see also Examinations)

Students are expected to write their examinations as scheduled. Only in cases of documented debilitating illness or legitimate conflict should a student request a deferral of a final examination. Students who are too ill and/or incapacitated at the time of the examinations should petition to defer the examination they are unable to attend due to their medical condition. Petitions based on travel, employment, or personal plans will not be considered as students are expected to make themselves available during the published Examination Period to write final examinations.

In response to a petition for a deferred examination, a student may be granted the opportunity to write a special examination at a subsequent examination period or the regular examination in the next offering of the course. Satisfactory documentation must be provided to corroborate illness (see above). Students with chronic illnesses must provide medical documentation for the specific date on which the illness was acute, or a letter from Accessibility Services for those registered for such a disability (indicating they were seen at the time of flare up, etc.).

Students who have missed an examination and are requesting a deferral must submit a petition no later than one week after the end of the examination period through their college registrar. There is a fee of \$70.00 per deferred examination (maximum \$140.00 for multiple deferral requests in the same petition).

In the petition decision students are notified of the examination period in which the deferred examination will take place, and if the examination will be a regular or special examination. They must register to take the deferred examination and pay the fee by the deadline given, in order that arrangements can be made. The Faculty will notify those who do not

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register by the deadline that they have lost their privilege of a deferred examination and will revert the grade to one that includes a “0” for the final examination. No further consideration will be given.

The Faculty posts personal deferred examination schedules online for students who have paid the deferred examination fee as soon as possible after the regular examinations have been scheduled. We use the table below as a guideline. N.B. exams may occur outside of this timeline.

Final Examination	Deferred Examination
April	<ul style="list-style-type: none"><li>• June examination period, if course is offered May to June</li><li>• Usually August examination period for all others; could be December or April the following year</li></ul>
June	<ul style="list-style-type: none"><li>• August examination period, if course offered July to August</li><li>• December examination period, if course offered in Fall Session</li><li>• Usually August examination periods for all others; could be April the following year.</li></ul>
August	<ul style="list-style-type: none"><li>• Usually December examination period; could be February/April the following year.</li></ul>
December	<ul style="list-style-type: none"><li>• April examination period, if course offered in Winter Session</li><li>• Usually Reading Week for all others; could be December the following year.</li></ul>

Students who must write a deferred examination in a course that serves as a prerequisite for subsequent courses may enrol in those courses provided they obtain the approval of the department concerned and provided the term mark in the prerequisite (deferred) course is at least 60%. If students are enrolling in courses for which the deferred examination is a prerequisite, they are advised to consult the department sponsoring the upcoming course: as they do not have the stated prerequisite, they may be removed during a pre-requisite check and reinstatement may not be possible if the course is full.

## Special Accommodations Fee

Students who request permission to write an examination outside the normal examination arrangements, e.g. at an Outside Centre, must submit a petition making their request at least three weeks prior to the beginning of the examination period. Late requests cannot be accommodated. A non-refundable fee of \$30.00 for each examination is charged at the time of application. Students who have been granted permission to write a deferred examination will pay this fee in addition to the deferred examination fee of \$70.00 per examination. These fees do not apply for accommodations resulting from conflicts with religious obligations or from arrangements made through Accessibility Services.

If permission has been granted for the examination to be written at an “Outside Centre,” students are also responsible for all costs for invigilation, postage, etc. charged by the Outside Centres involved. Students are advised to determine the total cost before petitioning. Such permission is granted only in the most extreme circumstances.

## Notes:

1. Students who are granted Deferred Standing (i.e., the notation of “SDF”, for an extension of time for term work or for a deferred examination) and who have earned a Cumulative Grade Point Average of less than 1.50, will not be permitted to enrol in any further courses until the outstanding course work has been completed and final cumulative and sessional GPAs and status for the session have been assessed.
2. A second deferral of an examination is generally not permitted. In the unusual instance where a second deferral is granted, the student may not enrol in further courses until the deferred examination has been written and the course has been completed. In such instances, pending the second deferred examination a grade of “0” for the examination will be included in the calculation of the course grade and the “SDF” notation will be replaced by the resulting grade. Students are charged a further fee for each subsequent deferred examination.
3. Students who are not feeling well at the time of an examination must decide whether they are too ill to write. If unsure, they should seek medical advice. Students who become ill during an examination and cannot complete the examination must notify the Presiding Officer at the examination about their situation before they leave the exam hall and should seek immediate medical attention. Students who simply leave the examination hall will be assumed to have completed the examination.
4. If students decide to write an examination which does not go well, they may not petition for a rewrite or late withdrawal. Arguments after the fact claiming an inability to function at full potential or to exhibit full knowledge of the subject matter will not be accepted as grounds for consideration of a petition concerning poor performance on an examination.
5. Students who choose to write an examination against medical advice should do so knowing that they will not be given consideration after the examination has been written. Students must not only take responsibility for making appropriate judgments about their fitness to attend examinations, but also must accept the outcome of their choices.

## Appeals Against Petition Decisions

Appeals against petition decisions progress as follows:

1. First, petition to the Committee on Standing by appropriate deadline submitted through College Registrar (see Deadlines to File Petitions);
2. Appeal to the Committee on Standing within ninety days of the first decision; second petition submitted through the College Registrar;
3. Appeal to the Faculty Academic Appeals Board within ninety days of the second decision; written request for a hearing submitted through the College Registrar;
4. Appeal to the Academic Appeals Committee of Governing Council within ninety days of the decision of the Faculty Academic Appeals Board; written request for a hearing submitted directly to the Governing Council Office in Simcoe Hall, through the Appeals, Discipline and Faculty Grievances Office.

# Reassessment of Marks

## REQUESTING A RECHECK OR REREAD

If a student believes an error has been made in the calculation of marks or in the marking of a Faculty final examination, there are two procedures which can be followed to request a review of marks.

### Recheck of Course Mark

If a student believes that there has been an arithmetical error in calculating the course mark, he/she may request a “recheck.” This can be done with or without requesting a photocopy or viewing of the final

examination. The student must fill out a "Request for Recheck of Course Mark" form and submit it to the Office of the Faculty Registrar within six months of the final examination (see list of deadlines below). Whenever possible, the student should indicate precisely where he/she thinks the error has occurred. The Department concerned will check that the examination marks have been added correctly; the examination will not be reread. The Department will also check that all term work marks have been correctly calculated. There is no fee for this procedure. If the mark is changed as a result of this review, the \$15.00 exam photocopy fee (if paid) will be refunded.

## Reread of Faculty Final Examination

If a student believes that a final examination has been incorrectly marked in its substance, or that a portion of an examination has not been marked, he/she may request a "reread." The student must first purchase a photocopy or request a supervised viewing of the exam. The student must then fill out a "Request for Reread of Final Examination" form and submit it to the Office of the Faculty Registrar within six months of the final examination (see list of deadlines below). The student must demonstrate that his/her answers are substantially correct by citing specific instances of disagreement, supported by such documentary evidence as course handouts, textbooks, lecture notes, etc. The student must do more than simply assert that "I disagree with the marking," or that "I believe I deserve more marks." The Department concerned will reread the examination in light of the arguments presented. There is a \$36.00 fee for this procedure, which is in addition to the fee of \$15.00 charged for a photocopy of the final examination. If the mark is changed as a result of this review, both the photocopy fee (if paid) and the reread fee will be refunded. It should be noted that when a course is failed, the examination must be reread before the mark is reported.

NOTE: A recheck or reread may result in a raised mark, a lowered mark, or no change. By requesting a reread or recheck a student agrees to abide by the outcome.

For some examinations, particularly those with multiple-choice questions and/or designed to be read mechanically, there may be an answer key that is essential to the understanding of the marking of the examination. In such cases, an answer key should be included with your photocopy. If it is not, you may contact the relevant department to see if one is available.

Forms are available at the Office of the Faculty Registrar, or on the web at [www.artsci.utoronto.ca/current/exams/rr](http://www.artsci.utoronto.ca/current/exams/rr)

Deadlines for requesting a recheck or a reread:

- February examinations - the following August 31
- April examinations - the following October 31
- June examinations - the following January 15
- August examinations - the following February 28/29
- December examinations - the following June 30

## Student Records

The University's Policy on Access to Student Academic Records can be found on the Governing Council web site at <http://www.governingcouncil.utoronto.ca/policies>.

### Mailing Address

Address information (mailing and permanent) must be viewed and updated on ACORN at [www.acorn.utoronto.ca](http://www.acorn.utoronto.ca) or in your College Registrar's Office. It is the student's responsibility to ensure that the mailing address is kept up-to-date on ACORN.

### E-Mail Address

As a student at the University of Toronto, you have automatic access to the Information Commons, which is your passport to e-mail, the library and the Internet. Once you have your TCard, you must activate your University of Toronto e-mail account. Setting up a UTMail+ account is mandatory; see "University Policy on Official Correspondence with Students" at: <http://www.governingcouncil.utoronto.ca/policies.htm>.

### TCard

The TCard is the official University of Toronto student ID card, bearing student information including name, student number, and image. It serves various functions, including library card, meal plan card & access card (if applicable). It is used for identification purposes within the University, such as Faculty examinations, student activities, and Athletic Association privileges. In order to get your first TCard you will be required to present documentation to validate your identity and citizenship status. The loss of the card must be reported promptly to the College Registrar or TCard office, the Library, and Meal Plan provider (if applicable). There is a fee for the replacement of lost cards. For more information on TCard issuance and services, visit <http://sites.utoronto.ca/tcard/>

### Statement of Results

The Faculty of Arts & Science does not mail Statements of Results to students in good standing. Students are able to check their course results, grade point averages, and academic status by accessing their academic record online through ACORN. Final course results will be available for viewing on ACORN as soon as possible after they are received and posted by the Office of the Faculty Registrar. Note that academic status is only assessed in May (for the Fall/Winter session) and in August (for the Summer session).

Students not in good standing (i.e. on probation, or suspended, or refused further registration) will receive notification by email to their UTMail+ account and in writing by surface mail to their mailing address listed on ACORN.

### Transcripts

The transcript of a student's record reports their complete registration history at the university including courses in progress and the standing in all courses attempted along with course average, information about the student's academic status including records of suspension and refusal of further registration, current academic sanctions, and completion of degree requirements and of program(s).

Marks are posted and a sessional GPA is calculated at the end of each session. An annual GPA is calculated only at the end of the Winter session and includes only the results earned in the Fall and Winter sessions. Academic standing is assessed at the end of the Fall/Winter session and at the end of the Summer session.

The University of Toronto issues consolidated transcripts, including a student's total academic record at the University. However, graduate students (who were previously enrolled at the University of Toronto as an undergraduate) may request that only the graduate portion of their record be issued. Students may request their transcript online at [www.acorn.utoronto.ca](http://www.acorn.utoronto.ca). Requests may also be made in person or by mail to:

University of Toronto Transcript Centre  
Room 1006, Sidney Smith Hall  
100 St. George Street  
Toronto, ON M5S 3G3  
Email: [transcripts@utoronto.ca](mailto:transcripts@utoronto.ca)

Further information can be obtained at [www.transcripts.utoronto.ca](http://www.transcripts.utoronto.ca).

A fee of \$12.00 (subject to change), which includes PST is charged for

# Rules & Regulations

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each transcript. Cheques and money orders should be made payable to the University of Toronto.

**The University of Toronto cannot be responsible for transcripts lost or delayed in the mail. Transcripts are not issued for students who have outstanding financial obligations with the University.**

## Course descriptions

Copies of course descriptions are issued at the student's request. The cost is \$5.00/session (with an unlimited number of courses within each session). Requests listing all courses/sessions needed may be made in person or by mail to:

University of Toronto Transcript Centre  
Room 1006, Sidney Smith Hall  
100 St. George Street  
Toronto, ON M5S 3G3  
Email: [transcripts@utoronto.ca](mailto:transcripts@utoronto.ca)

Request forms can be obtained online at [www.transcripts.utoronto.ca](http://www.transcripts.utoronto.ca).

Each request should also include the student's surname and given names (or previous surname, if applicable), student ID, address of where to mail the course descriptions, daytime/cell phone number and email address.

## University of Toronto Regulations and Policies

As members of the University of Toronto community, students assume certain responsibilities and are guaranteed certain rights and freedoms.

The University has several policies that are approved by the Governing Council and which apply to all students. Each student must become familiar with the policies. The University will assume that he or she has done so. The rules and regulations of the Faculty are listed in this calendar. In applying to the Faculty, the student assumes certain responsibilities to the University and the Faculty and, if admitted and registered, shall be subject to all rules, regulations and policies cited in the calendar, as amended from time to time.

All University policies can be found at:  
[http://www.governingcouncil.utoronto.ca/Governing\\_Council/policies.htm](http://www.governingcouncil.utoronto.ca/Governing_Council/policies.htm)

Those which are of particular importance to students are:

- Code of Behaviour on Academic Matters
- Code of Student Conduct
- Policy on University Assessment and Grading Practices (updated in 2012)
- Policy on Official Correspondence with Students
- Policy on Access to Student Academic Records
- Policy on Academic Transcripts (updated in 2012)
- Policy on Academic Continuity (updated in 2012)

More information about students' rights and responsibilities can be found at <http://life.utoronto.ca/get-help/rights-responsibilities.htm>.

### History of the University and the Faculty

Following are significant dates for the University and the Faculty. For a description of their governing structures, and details of the Colleges in the Faculty, please see below.

- 1827 Royal Charter granted to establish King's College at York (Toronto), the state university of the Province of Upper Canada.
- 1836 Upper Canada Academy founded at Cobourg, Ontario. It became Victoria College in 1841.
- 1843 Official opening of King's College, located in former Parliament Buildings of the Province of Upper Canada. First degrees granted in 1844.
- 1849 King's College became University of Toronto; connection with the Church of England terminated.
- 1851 University of Trinity College established by Church of England.
- 1852 St. Michael's College established by the Basilian Order.
- 1853 University College established, assuming responsibility for all teaching in Arts in the University; the University became an examining and degree-granting body.
- 1856 Construction of present University College building started. Completed in 1859.
- 1881 St. Michael's College affiliated with the University. Full federation in 1910.
- 1887 Instruction begun in fields other than arts and the sciences. University College became purely an Arts College.
- 1890 East section of University College building, including University Library, gutted by fire. It was immediately reconstructed.
- 1892 Victoria College moved from Cobourg and federated with the University of Toronto.
- 1892 University Library opened; enlarged in 1909 and in 1954. (Now Sigmund Samuel Library)
- 1904 Trinity College federated with the University of Toronto.
- 1905 Part-time courses leading to the B.A. degree established.
- 1906 University of Toronto Act laid foundation for constitution of the University.
- 1920 Degree of Bachelor of Commerce established.
- 1925 Trinity College moved to present buildings from old Queen Street site.
- 1931 Ontario Upper School (Grade XIII) standing required for admission.
- 1960 Name of Faculty of Arts changed to "Faculty of Arts and Science."
- 1961 Degree of Bachelor of Science established.
- 1962 New College established.
- 1964 Innis College established.
- 1965 Scarborough College established.
- 1967 Erindale College established.
- 1971 University of Toronto Act 1971 established current governance of the University by a Governing Council. Scarborough College became separate Arts and Science division in the University.
- 1973 John P. Robarts Research Library opened.
- 1974 Woodsworth College established.
- 2003 University of Toronto Mississauga became separate Arts and Science division in the University.

### Officers of the University of Toronto

A list of officials of the University of Toronto can be found at <http://www.utoronto.ca/about-uoft/university-governance-and-administration>

### Governing Council of the

### University

The overall governance of the University rests with the Governing Council which directs university policies. The Governing Council is composed of the Chancellor and the President who are ex-officio members; 2 members appointed by the President, 16 members appointed by the Lieutenant-Governor-in-Council; 12 members elected by the teaching staff from among the teaching staff; 8 members, 4 of whom are elected by and from among the full-time undergraduate students, and 2 of whom are elected by and from among the graduate students, and 2 of whom are elected by and from among the part-time undergraduate students; 2 members elected by the administrative staff from among the administrative staff; and 8 members who are not students or members of the teaching or administrative staff elected by the alumni from among the alumni.

### Officers of the Faculty of Arts & Science

A list of officials of the Faculty of Arts & Science can be found at [www.artsci.utoronto.ca/main/administration/officeofthedean/index\\_html](http://www.artsci.utoronto.ca/main/administration/officeofthedean/index_html)

### Governing Structure of the Faculty

#### The Arts & Science Council

The Arts & Science Council is the governing body in the Faculty of Arts & Science. The Council is composed of elected members from the Faculty's undergraduate and graduate students, teaching staff, administrative and technical staff, and normally meets eight times per year. It approves policy for the Faculty in the areas of admissions, curriculum development, evaluation and academic standing, among others, and determines the Faculty's rules and regulations. Budgetary and administrative matters are not within the purview of Council; those responsibilities lie with the Dean of the Faculty.

The Council has a number of Standing Committees charged with specific responsibilities to formulate policy and to apply it in specific cases. Those committees are: Undergraduate Curriculum Committees, Committee on Standing (petitions), Academic Appeals Board, and the Committee on Admissions. Approval of graduate curriculum in the Faculty is delegated to a Three Campus Curriculum Committee and reported to Council for information only.

Details on the Council and its sub-committees, along with the Constitution and By-Laws, rules for elections, meeting dates and agendas can be found on the Faculty's Governance web site at <http://www.artsci.utoronto.ca/main/governance>.

#### Elections to Council and its Committees

Elections to fill the positions on the Arts & Science Council and its committees are held in the Spring for the following year's Council and committees. The exception is the election of First-Year representatives, held early in the Fall Term. Notification of the nomination and election dates, as well as nomination forms, will be available on the Faculty's Governance web site and from the Office of the Faculty Registrar. Students will be notified by email sent to their U of T email account.

# The Colleges

## Innis College

- Principal: C. Keil, PhD
- Vice-Principal: R. Riendeau, MA
- Assistant Principal and Registrar: D. Boere, MA
- Associate Registrar—Academic: C. Li Tang, Hon BA
- Associate Registrar—Administrative: D. Pirraglia, Hon BA
- Associate Registrar—Recruitment and Transition: D. Gray, M Ed
- Dean of Students and Residence: T. Worgan, M Ed
- Chief Administrative Officer: C. Clairmont, BSc, BBA

Innis College offers its 1,950 students high academic standards, a dedicated faculty and staff, and a vibrant undergraduate community within the University of Toronto. Innis is home to the Cinema Studies Institute and contributes two interdisciplinary programs to the Faculty of Arts & Science, listed under “Innis College” in the Calendar: Urban Studies and Writing and Rhetoric. The College academic services provided by the library and the writing centre are designed to ease the transition to university and support Innis students throughout their university careers.

Founded in 1964 and named in honour of the late Harold Innis, political economist and pioneer in communication studies, Innis College is housed in a unique three-story building that blends old and new styles by incorporating a substantial Victorian home into a functional modern structure. At the core is the Town Hall, a forum-style auditorium. Classrooms and offices for the 25 professors associated with the College, its programs, and the Cinema Studies Institute occupy the second and third floors. A library, a café with an outdoor patio, a rooftop garden, and study, lounge and student union space complete the facilities. Across the street, the Innis Residence is a modern apartment-style complex featuring 327 single rooms in four- or five-bedroom suites. The residence houses a diverse community of Innis students and students from professional faculties.

Innis is the only undergraduate college at U of T that ensures equal representation of faculty and staff and students in its decision-making process. With its parity governance structure, innovative academic programming, independent community living, civic outreach, and informed activism, Innis College has created a community in which students can flourish academically and socially.

E-mail: registrar.innis@utoronto.ca

Website: <http://innis.utoronto.ca/>

## New College

- Principal: Y. Roberge, Ph D
- Vice-Principal: D. Knott, MA, MTS
- Assistant Principal and Registrar: K. Huffman, BA, MEd
- Associate Registrar (Administrative): D.M. Chang, BA
- Associate Registrar (Student Services): P.W. Russell, B Ed, MA
- Assistant Registrar: S. Brown, BEd, MA
- Director of Residence and Student Life: L. McCormack-Smith, HBA, MEd
- Director, Business Services: R. Vander Kraats, MAsc, MBA, P Eng
- Director, Writing Centre: D. Knott, MA, MTS
- Senior Development Officer: A. Liddell, BSc
- Alumni Development Officer: B.A. Registe, BA, MEd
- Librarian: J. Newman, BA, MIST
- Academic Director, International Foundation Program: Bruce Russell, M.Ed., B.A. (Hons), B. Mus.

- Director of Administration, International Programs: Hong Si, BA

New College, established in 1962, is open to students of all Faculties and Schools in the University. Approximately 4,700 of its students are in the Faculty of Arts and Science, and 300 in other divisions. Members of the College, whether in humanities, social science, science or professional programs, may broaden their university experience by meeting others from different fields and subject areas.

Arts and Science students have the full range of the Faculty curriculum open to them. The College takes part in their instruction through University courses taught by cross-appointed staff; and also through interdisciplinary programs in African Studies, Buddhism, Psychology & Mental Health, Caribbean Studies and Equity Studies. Individual tutoring is offered in Mathematics and Statistics, and the Writing Centre provides instruction for written assignments and reports. The College Registrar's Office provides academic, financial, and personal counselling.

The College's three modern, conveniently-located buildings provide academic, library, computing, dining and social facilities for all members, and also house the College residences. This creates an atmosphere of community, promoting contacts among students and staff and encouraging non-residents to become involved in college life. The residences accommodate approximately 800 students and welcome applicants from the Toronto area as well as from out-of-town. Further information about residence may be obtained from the Office of Residence and Student Life, New College. For further information about the College, please contact the Registrar, New College, 300 Huron Street, Toronto, Ontario, M5S 3J6.

E-mail: [newcollege.registrar@utoronto.ca](mailto:newcollege.registrar@utoronto.ca)

Website: [www.newcollege.utoronto.ca](http://www.newcollege.utoronto.ca)

## St. Michael's College

### St. Michael's College

- Chancellor: His Eminence Thomas Cardinal Collins, Archbishop of Toronto, SSL, STD, DD
- President & Vice-Chancellor: D. Mulroney, BA
- Principal and Program Director: TBA
- Registrar and Assistant Principal (Student Services): D. Chevrier, BA
- Associate Registrar (Administrative): M. Memari, BA
- Associate Registrar (Transition and Scholarships): S. Freeman-Attwood, BA
- Assistant Registrar (Academic Advising): TBA
- Assistant Registrar (Academic Advising): M. Taylor, BA
- Dean of Students: D. Rendle, BA, MIR
- Bursar: E. Slapnicar, BA, MBA
- Chief Librarian: S. Hook, BA, MA, MLS

St. Michael's College is rooted in a rich intellectual and Catholic tradition. At the same time, it welcomes students, staff and faculty from every faith and background. It actively seeks to build a community in which cultural and other differences are appreciated and celebrated.

Building on its distinguished tradition of academic excellence, the College is committed to developing the academic and personal growth of its students. Facilities include the John M. Kelly Library, the Students Centre, the Research and Academic Skills Centre and the Chaplaincy. Its students are also involved in a wide range of clubs and sports.

The academic programs sponsored by St. Michael's College are Book and Media Studies, Celtic Studies, Christianity and Culture, and Medieval Studies. First-year students can participate in SMC One (Cornerstone), which provides experiential learning in social justice. Issues addressed in Cornerstone speak to the heart of the mission of St. Michael's College as expressed in the motto of its Catholic founders: “to teach goodness,



discipline, and knowledge.”

## Trinity College

- Chancellor: The Hon. W. C. Graham, BA, LLB, Doctorat de l'Universite de Paris, C.M.
- Provost and Vice-Chancellor: M. Moran, BA, B.Ed., LL.B., LL.M., S.J.D.
- Vice-Provost and Dean of Arts: M.J.H. Ratcliffe, B.Sc., Ph D
- Assistant Provost: J. Steels, BSc., PhD
- Registrar: N. De Melo, BA, M.Ed.
- Associate Registrar: J. Chang, BA, MA
- Dean of Students: K. Moore, BA, M.Ed.
- Bursar: G.B. Seaborn, BA, MBA
- Librarian: J. Papadopoulos, JD, MIST

Trinity College opened its doors as a university on Queen St. West in 1852, graduating students in Arts, Music, Medicine and Divinity; in 1904 it federated with the University of Toronto, building a near-replica of its original building when it opened on this campus in 1925. The College enrolls approximately 1,800 students in Arts, Science and Commerce.

The College sponsors three cutting-edge interdisciplinary programs: Ethics, Society and Law; International Relations; and Immunology. It also offers the Trinity One Program in five streams (Public Policy; Ethics; International Relations; Biomedical Health; and Health Science and Society) and several seminar courses specially designed for first-year students.

The fact that Trinity is a small college means its close-knit community offers students a supportive, personalized and engaging academic and social environment. There are many opportunities for Trinity students to interact with each other and with staff and College Fellows and Associates, who are faculty members drawn from many Arts and Science departments as well as from other Faculties.

Trinity's unique student government, which operates as a direct democracy, provides leadership opportunities and ensures that the student voice is heard. Anchored by a strong student government, student debating, and athletic, drama and volunteering societies, Trinity provides a rich and engaging community for all students.

The College is home to campus landmarks including Strachan Hall, St. Hilda's College, the John W. Graham Library and the Quad. The Graham Library houses 200,000 volumes (with particular strengths in its program areas as well as in English, History and Philosophy), convenient technological resources and comfortable study spaces. The College campus also includes a dining hall, common rooms, sports facilities and the Trinity College Chapel. The Gerald Larkin Academic Building, on Devonshire Place, includes the George Ignatieff Theatre, the Centre for Ethics, lecture rooms, offices of many of the teaching staff, and the Buttery, which provides eating, lounge and study space that is ideal for group discussions. The Buttery also houses the Non-Resident Affairs Office and is often seen as the centre of commuting student life. Trinity has two traditional-style residence buildings that house approximately 425 first-year and upper-year students, most of whom are Trinity Arts & Science students.

Trinity's students are greatly supported by academic and personal advising provided by the Registrar's Office and the Dean of Students' Office, as well as from staff from the Graham Library and Writing and Math Aid Centres, the Learning Strategist, International Student Advising and Career Educator. The College recently enhanced its student support services with the inclusion of on-site mental health counselling and other health and wellness programs. Trinity is also the only college that appoints Academic Dons (graduate students or professional faculty

students living in residence) to provide academic and community support for all Trinity students, both resident and non-resident. For further information about the College contact the Registrar's Office.

E-mail address: registrar@trinity.utoronto.ca

Web site: <http://www.trinity.utoronto.ca>

## University College

- Principal: Donald C. Ainslie, BSc, MA, Ph D
- Vice-Principal: J. W. Marshall, BA, MA, Ph D
- Registrar: S. Cornack, BA
- Associate Registrar: L. Nauman, BA, M Ed
- Associate Registrar: M. Van, Hon BSc
- Assistant Registrar: J. Rodriguez
- Dean of Students: M. Scott, BA, M Ed
- Chief Administrative Officer: C. Yvonne MacNeil
- Director of Advancement: Naomi Handley, CFRE
- Librarian: M. Fulford, BA, MLS
- Writing Centre Director: J. Plotnick, MA, M Sc

University College was established in 1853 as the Provincial Arts College (the successor to King's College, founded in 1827); it still occupies its original building at the centre of the St. George Campus. The College's students may enrol in any of the courses offered by the Faculty of Arts and Science. In addition, University College offers courses in the interdisciplinary programs it sponsors: Canadian Studies, Cognitive Science, and Health Studies. The College also offers UC One, a foundational year program for first-year students and is affiliated with two interdisciplinary centres: The Mark S. Bonham Centre for Sexual Diversity Studies and the Centre for Drama, Theatre and Performance Studies. Course listings in the Calendar can be found under the above program names with the exception of UC One courses which are listed under University College.

University College offers residence accommodation for 720 undergraduates in both single and double rooms in its three co-educational residences, the Sir Daniel Wilson Residence, Whitney Hall, and Morrison Hall. Enquiries should be addressed to the Residence Office, 15 King's College Circle, D-Wing, Toronto, Ontario, M5S 3H7 416 978-2530; uc.residences@utoronto.ca. University College offers study and social space for off-campus students at the University College Commuter Centre. The College also runs a Writing Centre and hosts embedded advisors from the Centre for International Experience, the Career Centre and Health and Well Being through the UC sUccess Centre. Other amenities include the University College Library, which comprises a circulating collection supporting UC programs and a spacious reading room; the University of Toronto Art Centre (UTAC); the UC Union (common rooms); the Helen Gardiner Phelan Playhouse, a theatre for student productions; the Junior Common Room; and the University College Literary and Athletic Society, Canada's oldest student government, which sponsors a great variety of athletic, intellectual and social activities.

## Victoria College

- Chancellor: W.M. Cecil, BA, LLD
- President and Vice-Chancellor: W. Robins, MPhil, PhD
- Principal: A. Esterhammer, BA, PhD
- Academic Program Director: A. Urbancic, BEd, MA, PhD
- Associate Director, Office of the Principal: P. Kutasi, BA, MPhil
- Registrar: S.C. McDonald, BA
- Associate Registrar: E. Melo, BA
- Associate Registrar, Student Awards, Financial Aid and Ceremonies:

# The Colleges

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- A. Prediger
- Assistant Registrar: V. Ferrier, BA
- Assistant Registrar: A. Kot, BA, M I St
- Executive Director of Alumni Affairs and Advancement: L.D. Davies, BA
- Bursar: R. de Souza, BA, AIST
- Dean of Students: K. Castle, BA
- Librarian: L.J. Sherlock, BA, MLS, MA

Victoria College, founded in 1836 as Upper Canada Academy, was granted a university charter in 1841 and federated with the University of Toronto in 1892. It offers the intellectual and social community of a small liberal arts college within a large research university. From its renowned "Vic One" first-year curriculum to upper-year programs in Creative Expression and Society, Literature and Critical Theory, Material Culture, Renaissance Studies, Science and Society, Semiotics and Communication Studies, and Education and Society, Victoria offers a personalized and diverse university experience inside and outside the classroom.

The College is located on a 15-acre site at the north-east corner of Queen's Park opposite the Royal Ontario Museum. It offers many facilities to its students, including the E.J. Pratt Library with its 220,000 volumes and the new Goldring Student Centre. The Victoria College building, opened in 1892, contains classrooms, faculty and administrative offices, the Chapel and Alumni Hall. Northrop Frye Hall, completed in 1966, provides office space for teaching and administrative staff and contains classrooms as well as a large auditorium. The Isabel Bader Theatre, opened in 2001, offers a 500-seat state-of-the-art lecture theatre with excellent facilities for the performing arts. In addition to the academic advising and support provided by the Registrar's Office, the College has a Writing Centre and tutorial services in a range of subjects.

Residence accommodation for approximately 800 students is available on campus. Annesley Hall, Margaret Addison Hall and Burwash Hall provide accommodation in single and double rooms chiefly for undergraduate students. The Lower Houses of Burwash Hall and Rowell Jackman Hall, an apartment-style residence, house upper-year undergraduate and graduate students. All residence students take their meals in Burwash Dining Hall. Non-residence students may purchase meal tickets for Burwash or take light meals at Ned's Café in the Goldring Student Centre. Further information about residences may be obtained by writing to the Dean of Students, Victoria College, Toronto, Ontario, M5S 1K7.

E-mail: vic.registrar@utoronto.ca  
Web site: www.vic.utoronto.ca

## Woodsworth College

- Principal: J.R. Desloges, MSc, Ph D
- Vice-Principal: W.B. MacDonald, BA, MA
- Assistant Principal & Registrar: C. Shook, BA, MA, CTESL
- Associate Registrar: J.N. Guyatt, BA, M Ed
- Associate Registrar: A.M. Blackett, BA
- Manager, Access Programs, Frontline Services & Registrarial Communications: C. Norman, BA, M Ed
- Learning Strategist: S. Moffat, MA, Ph D
- Dean of Students: L. Nassim, BA
- Associate Director (Acting), Academic Writing Centre: T. Moritz, MA, Ph D
- Director (Academic), Millie Rotman Shime Academic Bridging Program: T. Socknat, MA, Ph D
- Director, Professional & International Programs: S. Witol, MA, MBA, CMA

- Executive Director: Advancement, Alumni & Communications: B. Track, BA, CFRE
- Chief Administrative Officer: R. Bulgin, BA, MBA, CMA

Woodsworth College is named in honour of James Shaver Woodsworth (1874-1942), minister, pacifist, social activist and Member of Parliament, who was strongly committed to broadening educational opportunities for all. The College traces its roots to 1905, when a part-time program leading to the Bachelor of Arts degree was established at the University of Toronto. In 1920 the Department of University Extension was organized to offer credit and non-credit courses. Woodsworth College was formally constituted in 1974 to offer credit courses primarily for part-time students in a number of faculties. In 1999 the College opened its doors to students proceeding directly from high school to full-time studies. Woodsworth College is now home to nearly 6000 students who enrol in the full range of Arts and Science courses and programs leading to Bachelor of Arts, Science or Commerce degrees.

A special feature of Woodsworth College is the outstanding academic support it provides to students. These services include academic counseling, financial aid, study skills seminars, mentoring programs, the Academic Writing and Math Aid Centres, and a Learning Strategist. The College offers an exceptional range of programs for current students as well as for those seeking post-graduate opportunities.

Woodsworth College is conveniently situated just south of Bloor Street West on St. George Street and boasts a beautiful courtyard, smart classrooms, a large computer lab, the Kruger Hall Commons event and student interaction space, student association and club space, and individual and group study areas. The Woodsworth Residence is connected to the College via the Alex Waugh Courtyard. It accommodates 371 students in air-conditioned suites with private single bedrooms and offers students an exceptional residential experience located close to classrooms, libraries, athletic facilities and the subway.

In 2013 the Woodsworth College undergraduate programs in Criminology and Employment Relations were integrated with the graduate programs at the Centre for Criminology and Sociolegal Studies and the Centre for Industrial Relations and Human Resources respectively. The continuing close relationship between the Centres and Woodsworth College fosters ongoing academic excellence for program students thanks to the rich academic support services and facilities available at the College.

In June 2014, 123 St. George Street became part of the Woodsworth College community. The addition of the 'Woodsworth College Annex' supports the growing needs of the Woodsworth One and Academic Bridging Programs.

For more information please visit these links:

**Woodsworth College:** <http://wdw.utoronto.ca>

### Access Programs:

- Academic Bridging Program
- Diploma to Degree

### First-year Experience:

- Woodsworth ONE
- First-Year Seminars (199s)

### International Experience:

- Summer Abroad
- International Summer Program

### Popular Culture

### **Post-baccalaureate Programs:**

- Teaching English to Speakers of Other Languages
- THE500 (Teaching in Higher Education)

### **Centres affiliated with Woodsworth College:**

- Centre for Criminology and Sociolegal Studies ([click here for program information](#))
- Centre for Industrial Relations and Human Resources ([click here for program information](#))