



OFFICE OF THE CAMPUS COUNCIL

University of Toronto Scarborough Campus Council

**ACADEMIC AFFAIRS COMMITTEE**

**Tuesday, February 10, 2015**

**4:00 p.m.**

**UTSC Council Chamber, Arts and Administration Building, Room AA 160**

**1265 Military Trail**

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**AGENDA**

- 1. Chair's Remarks**
- 2. Assessors' Reports**
- 3. Curricular Items- Undergraduate**

**A. New Undergraduate Courses submitted by all Academic Units *\*(for approval)***

Be It Resolved,

THAT all new courses submitted by UTSC undergraduate academic units, as described in the package dated January 21, 2015 and recommended by the Dean and Vice-Principal (Academic), Professor Rick Halpern, be approved effective April 1, 2015 for the academic year 2015-16.

**B. Major Modification B introducing a freestanding Minor in Migration and Ethnic Diversity *\*(for approval)***

Be It Resolved,

THAT the proposed freestanding Minor in Migration and Ethnic Diversity, as described in the package dated January 13, 2015 and recommended by the Dean and Vice-Principal (Academic), Professor Rick Halpern, be approved effective April 1, 2015 for the academic year 2015-16.

**C. Major Modification B introducing a freestanding Minor in Culture, Creativity, and Cities *\*(for approval)***

UTSC Academic Affairs Committee- Tuesday, February 10, 2015

Be It Resolved,

THAT the proposed freestanding Minor in Culture, Creativity, and Cities, as described in the package dated January 13, 2015 and recommended by the Dean and Vice-Principal (Academic), Professor Rick Halpern, be approved to be effective April 1, 2015 for the academic year 2015-16.

**D. Major Modification B introducing a freestanding Minor in Urban Public Policy and Governance** \* *(for approval)*

Be It Resolved,

THAT the proposed freestanding Minor in Urban Public Policy and Governance, as described in the package dated January 8, 2015 and recommended by the Dean and Vice-Principal (Academic), Professor Rick Halpern, be approved effective April 1, 2015 for the academic year 2015-16.

**E. Major Modification A to close the Design-Your-Own streams of the Specialist and Specialist Co-op programs in Mathematics (B.Sc.)** \* *(for approval)*

Be It Resolved,

THAT the Design-Your-Own stream of the Specialist in Mathematics (B.Sc.), as described in the package dated January 7, 2015 and recommended by the Dean and Vice-Principal (Academic), Professor Rick Halpern, be approved effective April 1, 2015 for the academic year 2015-16; and

THAT the Design-Your-Own stream of the Specialist (Co-operative) in Mathematics (B.Sc.), as described in the package dated January 7, 2015 and recommended by the Dean and Vice-Principal (Academic), Professor Rick Halpern, be approved effective April 1, 2015 for the academic year 2015-16.

**F. Changes to UTSC Academic Regulations** \**(for approval)*

1. Propaedeutic Rule
2. Combinations of Programs and Degree Conferred
3. Major Co-op Programs must be combined with another Major Program

Be It Resolved,

THAT the proposed changes to academic regulations, as described in the package dated January 21, 2015 and recommended by the Dean and Vice-Principal (Academic), Professor Rick Halpern, be approved to be effective April 1, 2015 for the academic year 2015-16.

UTSC Academic Affairs Committee- Tuesday, February 10, 2015

**G. Minor Modifications to Undergraduate Curriculum Requiring Approval- All UTSC Academic Units\*(for approval)**

Be It Resolved,

THAT all Minor Modifications to programs and courses submitted by UTSC undergraduate academic units, as described in the package dated January 28, 2015 and recommended by the Dean and Vice-Principal (Academic), Professor Rick Halpern, be approved effective April 1, 2015 for the academic year 2015-16.

**4. Curricular Items- Graduate**

**Minor Modifications to Graduate Programs requiring approval submitted by the Graduate Department of Psychological Clinical Science \*(for approval)**

Be It Resolved,

THAT all minor modifications to programs and courses submitted by the Graduate Department of Psychological Clinical Science, as described in the documentation dated January 20, 2015 and recommended by the Dean and Vice-Principal (Academic), Professor Rick Halpern, be approved effective April 1, 2015 for the academic year 2015-16.

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**CONSENT AGENDA\*\***

- 5. Minor Curricular Modifications to Undergraduate Programs and Courses that do not Require Governance Approval- All UTSC Academic Units\* (for information)**
- 6. Editorial Changes to Undergraduate Programs and Courses-All UTSC Academic Units \* (for information)**
- 7. Editorial Changes to Courses submitted by the Graduate Department of Psychological Clinical Science \*(for information)**
- 8. Report of the Previous Meeting: Report 9 – Thursday, January 8, 2015\*(for approval)**
- 9. Business Arising from the Report of the Previous Meeting**
- 10. Date of the Next Meeting –Tuesday, March 24, 2015, 4:00 p.m. - 6:00 p.m.**

UTSC Academic Affairs Committee- Tuesday, February 10, 2015

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**11. Other Business**



OFFICE OF THE CAMPUS COUNCIL

**FOR APPROVAL**

**PUBLIC**

**OPEN SESSION**

**TO:** UTSC Academic Affairs Committee

**SPONSOR:** Dean and Vice-Principal (Academic), Rick Halpern

**CONTACT INFO:** 416-208-7027, vpdean@utsc.utoronto.ca

**PRESENTER:** Vice-Dean, Undergraduate, Mark Schmuckler

**CONTACT INFO:** 416-208-2978, vicedean@utsc.utoronto.ca

**DATE:** Tuesday, February 10, 2015

**AGENDA ITEM:** 3 (a)

**ITEM IDENTIFICATION:**

New Undergraduate Courses submitted by all Academic Units

**JURISDICTIONAL INFORMATION:**

University of Toronto Scarborough Academic Affairs Committee (AAC) “is concerned with matters affecting the teaching, learning and research functions of the Campus (AAC *Terms of Reference, Section 4*.)” Under section 5.6 of its terms of reference, the Committee is responsible for approval of “Major and minor modifications to existing degree programs.” The AAC has responsibility for the approval of Major and Minor modifications to existing programs as defined by the University of Toronto Quality Assurance Process. (*UTQAP, Section 3.1*)

**GOVERNANCE PATH:**

1. UTSC Academic Affairs Committee [For Approval] (February 10, 2015)

**PREVIOUS ACTION TAKEN:**

No previous action in governance has been taken on this item.

**HIGHLIGHTS:**

This package includes all proposals for new courses submitted by UTSC undergraduate academic units to be introduced effective the 2015-16 academic year. A total of 55 new courses are being proposed across all units: 5 – Department of Anthropology; 13 – Department of Arts, Culture and Media; 1 – Department of Biological Sciences; 1- Department of Computer and Mathematical Sciences; 1 – Centre for Critical

*2015-16 New Undergraduate Courses –for approval*

Development Studies; 4 – Department of English; 6 – Centre for French and Linguistics; 7 – Department of Historical and Cultural Studies; 3 – Department of Human Geography; 1- Department of Management; 5- Department of Physical and Environmental Sciences; 2 – Department of Philosophy; 3 – Department of Political Science; 1 – Department of Psychology; and 2 – Department of Sociology.

**FINANCIAL IMPLICATIONS:**

There are no net financial implications to the campus operating budget.

**RECOMMENDATION:**

Be It Resolved,

THAT all new courses submitted by UTSC undergraduate academic units, as described in the package dated January 21, 2015 and recommended by the Dean and Vice-Principal (Academic), Professor Rick Halpern, be approved effective April 1, 2015 for the academic year 2015-16.

**DOCUMENTATION PROVIDED:**

1. 2015-16 Curriculum Cycle: New Course Report, dated January 21, 2015



**2015-16 Curriculum Cycle**  
**New Course Report (for UTSC Academic Affairs Committee)**  
 January 21, 2015

**Department of Anthropology**

**ANTC69H3 Ideas That Matter: Key Themes and Thinkers in Anthropology**

This course explores key themes, theories, and thinkers that have shaped anthropological thought, past and present. In any given year we will focus on the work of a particular important thinker or a school of thought. As we examine trends and approaches that have been influential to the field, we consider the debates these have generated, the ethnographic innovations they have inspired, and their relevance for core debates in anthropology. Topics and readings will be chosen annually by the instructor.

Prerequisite: ANTB19H3 and ANTB20H3

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

Note: Priority will be given to students enrolled in the specialist program in Anthropology. Additional students will be admitted as space permits.

*Rationale:*

This course will teach students how anthropological thought develops by focusing closely on the work of particular thinkers, situated in their particular milieu. It responds to the Anthropology Department's 2013 curriculum review, which suggested that a C-level course be added that covers Anthropological theory in some depth, with attention to the history of Anthropology, and it should build interest in the D-level seminar ANTD24H3 The History of Anthropological Thought.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

**ANTD10H3 The Anthropology of 'Life' Itself**

This course will-examine cultural understandings of 'life' – What is life? What is a life? How do humans value (or alternatively not value) life in different social and cultural settings? What constitutes a 'good life'? To what degree are cultural understandings of 'life' entangled with those of 'death'.

Prerequisite: [ANTB19H3 and ANTB20H3] and [at least 1.0 credit at the C-level in socio-cultural anthropology courses]

Exclusion: (ANTC11H3)

Enrolment Limits: 25

Breadth Requirement: Social & Behavioral Sciences

*Rationale:*

This course will replace ANTC11H3, which is being deleted from our curriculum. Although it will cover some of the same topics that were formerly dealt with in C11, this course is more inclusive. Because it deals with the theme of ‘life’, the course will be of interest to students in both socio-cultural and evolutionary anthropology, as well as students enrolled in the Health Studies program. A version of this course has been offered previously as a “special topics” course in Anthropology and engendered a great deal of interest on the part of students.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean’s Office.

**HLTD21H3 Special Topics in Health**

The topics presented in this course will represent a range of contemporary issues in health research. Topics will vary by instructor and term.

Prerequisite: Completion of at least 6.0 credits from the requirements of the Major/Major Co-operative programs in Health Studies; and a minimum CGPA of 2.7 in HLT courses; and permission of the instructor.

Enrolment Limits: 30

Breadth Requirement: Social & Behavioural Sciences

*Rationale:*

This advanced seminar offers students an opportunity to examine in-depth a selected topic in health studies and will build on the knowledge and skills acquired in core courses. Topics will vary by instructor and term.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean’s Office.

**HLTD22H3 Special Topics in Health**

The topics presented in this course will represent a range of contemporary issues in health research. Topics will vary by instructor and term.

Prerequisite: Completion of at least 6.0 credits from the requirements of the Major/Major Co-operative programs in Health Studies; and a minimum CGPA of 2.7 in HLT courses; and permission of the instructor.

Enrolment Limits: 30

Breadth Requirement: Social & Behavioural Sciences

*Rationale:*

This advanced seminar offers students an opportunity to examine in-depth a selected topic in health studies and will build on the knowledge and skills acquired in core courses. Topics will vary by instructor and term.



*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

## **Department of Arts, Culture and Media**

### **JOUC62H3 Media and the World of Work**

The course explores the relationships between journalism and the labour movement in Canada's present media environment. It examines how labour is perceived as a media issue and how labour stories are framed in mainstream media - what is reported, how it is reported, what isn't reported, and why. It also examines significant issues in Canadian labour history within a media studies context.

Same as MDSC62H3

Prerequisite: [MDSA01H3 and MDSB05H3] or [JOUA01H3 and JOUA02H3]

Exclusion: MDSC62H3

Breadth Requirement: Arts, Literature & Language

*Rationale:*

This course is being double-numbered with the existing course MDSC62H3. Media Studies and Journalism have curriculum similarities and interests that allow for a natural sharing of course codes. Journalism students have requested that they be offered a broader range of courses in their program.

*Consultation:*

Approved by the Departmental Curriculum Committee. Consultation with Centennial College. Reviewed by the Dean's Office.

### **JOUC63H3 Media Ethics**

Introduces students to ethical issues in media. Students learn theoretical aspects of ethics and apply them to media industries and practices in the context of advertising, public relations, journalism, mass media entertainment, and online culture.

Same as MDSC63H3

Prerequisite: [MDSA01H3 and MDSB05H3] or [JOUA01H3 and JOUA02H3]

Exclusion: MDSC63H3

Breadth Requirement: History, Philosophy & Cultural Studies

*Rationale:*

This course is being double-numbered with the existing course MDSC63H3. Media Studies and Journalism have curriculum similarities and interests that allow for a natural sharing of course codes. Journalism students have requested that they be offered a broader range of courses in their program.

*Consultation:*

Approved by the Departmental Curriculum Committee. Consultation with Centennial College.  
Reviewed by the Dean's Office.

**MDSB10H3 Technology, Culture and Society**

This course considers technology as an everyday social practice. It challenges deterministic ideas of technology as a cause of social change and examines theories that understand technology and culture as mutually constituted. Perspectives include actor-network theory, critical theory of technology, feminist technology studies, media archaeology, and cyber-, post- and transhumanism.

Prerequisite: MDSA01H3 and MDSA02H3

Breadth Requirement: History, Philosophy & Cultural Studies

*Rationale:*

The course fills a gap at the B-level in the current curriculum. Media Studies has identified seven areas of emphasis within the Major as it currently exists, and our strategy in bringing forward new courses is to ensure that each has a 3-course sequence as a core upon which we can build. Technology Studies is one of these identified areas. Students take MDSA02H3 History of Media and Technology during their first year (required), which also serves as a broad introduction to technology studies. At the C-level, students may choose MDSC64H3 Old Media/New: Film and Technology, a specialized topic course. However, we do not offer a course directly related to technology studies at the B-level, and the addition of the proposed course will provide a more theoretically sophisticated introduction, build on the work students do in MDSA02H3, and create a 3-course progression.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

**MDSC61H3 Alternative Media**

This course examines the history, organization and social role of a range of independent, progressive, and oppositional media practices. It emphasizes the ways alternative media practices, including the digital, are the product of and contribute to political movements and perspectives that challenge the status quo of mainstream consumerist ideologies.

Prerequisite: [2.0 credits at the B-level in MDS courses] or [2.0 credits at the B-level in JOU courses]

Breadth Requirement: History, Philosophy & Cultural Studies

*Rationale:*

The Media Studies curriculum currently has no course that examines Alternative Media, an important site of research for contemporary Media Studies scholarship.

A long-term goal of ACM is to foster development of programs that work across ACM, and Alternative Media is an important foundational course in achieving this goal as it will appeal to students in Arts Management, Joint Program in Journalism, Joint Program in New Media Studies, and Studio. It is a theory-based and a practice-based course that analyzes Alternative Media

through four interconnected lines—alternative content and perspectives; alternative organizational & structural models; alternative practices; and alternative technological configurations. Within this framework, students study alternative media, including “traditional” alternative media such as pirate and community radio and so-called “ethnic” media and ’zine production. They also study how the concept of Alternative Media has come to be applied in contemporary new media, including alternative digital practices such as tactical media, open source media, glitch culture, and self-publication.

Learning about and gaining practice in Alternative Media is an increasingly crucial area for ACM students, many of whom will find career paths in Alternative Media given the current and ongoing destabilization of the economic model of contemporary mass media.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean’s Office.

**MDSC71H3 Media and Religion**

The advancement of religious concepts and movements has consistently been facilitated—and contested—by contemporaneous media forms, and this course considers the role of media in the creation, development, and transmission of religion(s), as well as the challenges posed to modern religiosities in a digital era.

Prerequisite: 2.0 credits at the B-level in MDS courses

Breadth Requirement Category: History, Philosophy & Cultural Studies

*Rationale:*

Media and religion are both ubiquitous and deeply intertwined. From the earliest human grave goods and petroglyphs of the Middle and Upper Paleolithic eras, to the spread of the Protestant Reformation via the advent of the printing press, the advancement of religious concepts and movements has consistently been facilitated— and contested—by contemporaneous media forms. In the present, where one can chat online with “Facebook God,” convert to the internet parody-religion “Pastafarianism”, or even confess one’s sins and have them forgiven by text message, the concurrence of religion and media remains as palpable and challenging as ever. However, there are no courses in ACM or at UTSC that bring together these two intimately related and pervasive aspects of human existence, and the course is a timely and necessary addition to the Media Studies curriculum. It extends current offerings in media theory and the history of media, as well as strengthening the “Media and Society” component of the current curriculum.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean’s Office.

**MDSC85H3 Movies, Music and Meaning**

This course examines the synergistic relationship between the moving image and music and how these synergies result in processes of meaning-making and communication. Drawing on readings in cultural theory, cultural studies, musicology and film studies, the course considers examples from the feature film, the Hollywood musical, and the animated cartoon.

Same as VPMC85H3

Prerequisite: [2.0 credits at the B-level in MDS courses] or [2.0 credits at the B-level in VPM courses]

Exclusion: VPMC85H3

Enrolment Limits: 50

Breadth Requirement: Arts, Literature & Language

Note: No specialist knowledge in musicology or film studies required.

*Rationale:*

One of ACM's long-term goals is to enhance interdisciplinary offerings that work between, among and within individual programs, and we have identified academic and artistic examination of Sound as a locus of interest that maps across several programs. The proposed course follows and builds on MDSB63H3 Sound and Visual Media, which was added to the curriculum academic year 2014-15. The new course adds to ACM Sound offerings and is an important first step in building curricular connections between Media Studies and Music & Culture. The addition of the course allows for a 2-course sequence and a base upon which to build future MDS/VPM courses on the conjunctions of media, music and sound.

This course is double-numbered with the new course VPMC85H3.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

**VPMA66H3 String Orchestra Ia**

The practical study of instrumental ensemble performance in the String Orchestra setting. Audition/interview required. Students are normally expected to complete both Fall and Winter sessions (a and b) in the same ensemble.

Exclusion: VPMA73H3-LEC02

Breadth Requirement: Arts, Literature & Language

Note: Priority will be given to students enrolled in the Major and Minor programs in Music and Culture. Additional students will be admitted as space permits.

*Rationale:*

VPMA66H3 is one of six proposed new courses that will contribute to the creation of a full sequence of String Orchestra courses from the A- to the C-level. These new courses carry on a former stream of courses and in their new form complement our other large ensemble offerings. This sequence addresses important structural and pedagogical needs within the Music programs. Further, this course provides the opportunity for the study of a vast amount of music that is of great musicological importance and which is not covered in such detail in any other of UTSC's course offerings.

VPMA66H3 introduces students to foundational aspects of music study and performance through the lens of large string ensembles, wherein there are multiple players per part. While the course takes performance as its starting point, there is a concerted effort to place large ensemble performance within the context of the university study of music. Accordingly, the course is unique in its integration of the development of critical thinking, musicianship, technical skills, and musical and cultural awareness. Please see the table provided in Section 3 for specific

examples of course activities and student knowledge development for VPMA66H3, and how they are consistent with specific course learning outcomes and A-level program learning outcomes.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

**VPMA67H3 String Orchestra Ib**

The practical study of instrumental ensemble performance in the String Orchestra setting. Audition/interview required. Students are normally expected to complete both Fall and Winter sessions (a and b) in the same ensemble.

Prerequisite: VPMA66H3

Exclusion: VPMA74H3-LEC02

Breadth Requirement: Arts, Literature & Language

Note: Priority will be given to students enrolled in the Major and Minor programs in Music and Culture. Additional students will be admitted as space permits.

*Rationale:*

VPMA67H3 is one of six proposed new courses that will contribute to the creation of a full sequence of String Orchestra courses from the A- to the C-level. These new courses carry on a former stream of courses and in their new form complement our other large ensemble offerings. This sequence addresses important structural and pedagogical needs within the Music programs. Further, this course provides the opportunity for the study of a vast amount of music that is of great musicological importance and which is not covered in such detail in any other of UTSC's course offerings.

VPMA67H3 further supports foundational aspects of music study and performance through the lens of large string ensembles, wherein there are multiple players per part. While the course takes performance as its starting point, there is a concerted effort to place large ensemble performance within the context of the university study of music. Accordingly, this course as a part of the larger sequence, is unique in its integration of the development of critical thinking, musicianship, technical skills, and musical and cultural awareness. Please see the table provided in Section 3 for specific examples of course activities and student knowledge development for VPMA67H3, and how they are consistent with specific course learning outcomes and A-level program learning outcomes.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

**VPMB66H3 String Orchestra IIa**

The practical study of instrumental ensemble performance in the String Orchestra setting. Audition/interview required. Students are normally expected to complete both Fall and Winter sessions (a and b) in the same ensemble.

Prerequisite: VPMA67H3

Exclusion: VPMB73H3-LEC02

Breadth Requirement: Arts, Literature & Language

Note: Priority will be given to students enrolled in the Major and Minor programs in Music and Culture. Additional students will be admitted as space permits.

*Rationale:*

VPMB66H3 is one of six proposed new courses that will contribute to the creation of a full sequence of String Orchestra courses from the A- to the C-level. These new courses carry on a former stream of courses and in their new form complement our other large ensemble offerings. This sequence addresses important structural and pedagogical needs within the Music programs. Further, this course provides the opportunity for the study of a vast amount of music that is of great musicological importance and which is not covered in such detail in any other of UTSC's course offerings.

VPMB66H3 introduces students to intermediate-level aspects of music study and performance through the lens of large string ensembles, wherein there are multiple players per part. While the course takes performance as its starting point, there is a concerted effort to place large ensemble performance within the context of the university study of music. Accordingly, this course as a part of the larger sequence, is unique in its integration of the development of critical thinking, musicianship, technical skills, and musical and cultural awareness. Please see the table provided in Section 3 for specific examples of course activities and student knowledge development for VPMB66H3, and how they are consistent with specific course learning outcomes and B-level program learning outcomes.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

**VPMB67H3 String Orchestra IIb**

The practical study of instrumental ensemble performance in the String Orchestra setting. Audition/interview required. Students are normally expected to complete both Fall and Winter sessions (a and b) in the same ensemble.

Prerequisite: VPMB66H3

Exclusion: VPMB74H3-LEC02

Breadth Requirement: Arts, Literature & Language

Note: Priority will be given to students enrolled in the Major and Minor programs in Music and Culture. Additional students will be admitted as space permits.

*Rationale:*

VPMB67H3 is one of six proposed new courses that will contribute to the creation of a full sequence of String Orchestra courses from the A- to the C-level. These new courses carry on a former stream of courses and in their new form complement our other large ensemble offerings. This sequence addresses important structural and pedagogical needs within the Music programs. Further, this course provides the opportunity for the study of a vast amount of music that is of great musicological importance and which is not covered in such detail in any other of UTSC's course offerings.

VPMB67H3 confirms intermediate-level aspects of music study and performance to students through the lens of large string ensembles, wherein there are multiple players per part. While the

course takes performance as its starting point, there is a concerted effort to place large ensemble performance within the context of the university study of music. Accordingly, this course as a part of the larger sequence, is unique in its integration of the development of critical thinking, musicianship, technical skills, and musical and cultural awareness. Please see the table provided in Section 3 for specific examples of course activities and student knowledge development for VPMB67H3, and how they are consistent with specific course learning outcomes and B-level program learning outcomes.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

**VPMC66H3 String Orchestra IIIa**

The practical study of instrumental ensemble performance in the String Orchestra setting. Audition/interview required. Students are normally expected to complete both Fall and Winter sessions (a and b) in the same ensemble.

Prerequisite: VPMB67H3

Exclusion: VPMC73H3-LEC02

Breadth Requirement: Arts, Literature & Language

Note: Priority will be given to students enrolled in the Major and Minor programs in Music and Culture. Additional students will be admitted as space permits.

*Rationale:*

VPMC66H3 is one of six proposed new courses that will contribute to the creation of a full sequence of String Orchestra courses from the A- to the C-level. These new courses carry on a former stream of courses and in their new form complement our other large ensemble offerings. This sequence addresses important structural and pedagogical needs within the Music programs. Further, this course provides the opportunity for the study of a vast amount of music that is of great musicological importance and which is not covered in such detail in any other of UTSC's course offerings.

VPMC66H3 introduces students to more advanced aspects of music study and performance through the lens of large string ensembles, wherein there are multiple players per part. While the course takes performance as its starting point, there is a concerted effort to place large ensemble performance within the context of the university study of music. Accordingly, this course as a part of the larger sequence, is unique in its integration of the development of critical thinking, musicianship, technical skills, and musical and cultural awareness. Please see the table provided in Section 3 for specific examples of course activities and student knowledge development for VPMC66H3, and how they are consistent with specific course learning outcomes and C-level program learning outcomes.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

### **VPMC67H3 String Orchestra IIIb**

The practical study of instrumental ensemble performance in the String Orchestra setting. Audition/interview required. Students are normally expected to complete both Fall and Winter sessions (a and b) in the same ensemble.

Prerequisite: VPMC66H3

Exclusion: VPMC74H3-LEC02

Breadth Requirement: Arts, Literature & Language

Note: Priority will be given to students enrolled in the Major and Minor programs in Music and Culture. Additional students will be admitted as space permits.

*Rationale:*

VPMC67H3 is one of six proposed new courses that will contribute to the creation of a full sequence of String Orchestra courses from the A- to the C-level. These new courses carry on a former stream of courses and in their new form complement our other large ensemble offerings. This sequence addresses important structural and pedagogical needs within the Music programs. Further, this course provides the opportunity for the study of a vast amount of music that is of great musicological importance and which is not covered in such detail in any other of UTSC's course offerings.

VPMC67H3 introduces students to more advanced aspects of music study and performance through the lens of large string ensembles, wherein there are multiple players per part. While the course takes performance as its starting point, there is a concerted effort to place large ensemble performance within the context of the university study of music. Accordingly, this course as a part of the larger sequence, is unique in its integration of the development of critical thinking, musicianship, technical skills, and musical and cultural awareness. Please see the table provided in Section 3 for specific examples of course activities and student knowledge development for VPMC67H3, and how they are consistent with specific course learning outcomes and C-level program learning outcomes.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

### **VPMC85H3 Movies, Music and Meaning**

This course examines the synergistic relationship between the moving image and music and how these synergies result in processes of meaning-making and communication. Drawing on readings in cultural theory, cultural studies, musicology and film studies, the course considers examples from the feature film, the Hollywood musical, and the animated cartoon.

Same as MDSC85H3

Prerequisite: [2.0 credits at the B-level in MDS courses] or [2.0 credits at the B-level in VPM courses]

Exclusion: MDSC85H3

Enrolment Limits: 50

Breadth Requirement: Arts, Literature & Language

Note: No specialist knowledge in musicology or film studies required.



*Rationale:*

One of ACM's long-term goals is to enhance interdisciplinary offerings that work between, among and within individual programs, and we have identified academic and artistic examination of Sound as a locus of interest that maps across several programs. The proposed course follows and builds on MDSB63H3 Sound and Visual Media, which was added to the curriculum academic year 2014-15. The new course adds to ACM Sound offerings and is an important first step in building curricular connections between Media Studies and Music & Culture. The addition of the course allows for a 2-course sequence and a base upon which to build future MDS/VPM courses on the conjunctions of media, music and sound.

This course is double-numbered with the new course MDSC85H3.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

## **Department of Biological Sciences**

### **BIOD08H3 Theoretical Neuroscience**

A seminar covering topics in the theory of neural information processing, focused on perception, movement, learning and memory. Through reading, discussion and working with computer models students will learn fundamental concepts underlying current theories of brain function including information theory, spike-time/rate coding, population codes, liquid state-machines and Bayesian optimality.

Same as NROD08H3

Prerequisite: [NROC34H3 or NROC64H3 or NROC69H3] and [MATA30H3 or MATA31H3] and [PSYB07H3 or STAB22H3]

Exclusion: NROD08H3

Breadth Requirement: Natural Sciences

*Rationale:*

This advanced Neuroscience course will provide students with the chance to wrestle with the most fundamental questions in neuroscience (e.g. what is information, and how do neurons encode information?) that can also be the most conceptually difficult. To achieve this, the class will be a hands-on seminar where half of the class time is spent discussing primary research papers, and the other half is spent attempting to model the ideas presented in the papers in Matlab. This will make it possible for students to take on conceptually difficult ideas and truly understand them.

The course fills a gap in the biology and neuroscience curricula. The course will be added to the Specialist Programs in Integrative Biology and Neuroscience as well as the Major Programs in Human Biology and Neuroscience. It has some limited overlap with PSYD51 and slightly more overlap with the classes PSL432 and CSC321 (although not to the point of requiring exclusions) offered on the St. George Campus. It is innovative in combining a discussion based seminar with

some basic, in-class computer modelling, which will provide students with a unique experience that will have applications in their studies/careers outside of neuroscience.

This course is double-numbered with the new course NROD08H3.

*Consultation:*

Approved by the Departmental Curriculum Committee. Consultation with the Department of Psychology. Reviewed by the Dean's Office.

## **Department of Computer and Mathematical Sciences**

### **MATA67H3 Discrete Mathematics**

Introduction to discrete mathematics: Elementary combinatorics; discrete probability including conditional probability and independence; graph theory including trees, planar graphs, searches and traversals, colouring. The course emphasizes topics of relevance to computer science, and exercises problem-solving skills and proof techniques such as well ordering, induction, contradiction, and counterexample.

Same as CSCA67H3

Prerequisite: Grade 12 Calculus and Vectors and one other Grade 12 mathematics course

Exclusion: CSCA67H3, (CSCA65H3), CSC165H, CSC240H, MAT102H

Recommended Preparation: CSCA08H3 or CSCA20H3

Breadth Requirement: Quantitative Reasoning

*Rationale:*

This course is being double-numbered with the existing course CSCA67H3.

CSCA67H3 is a pre-requisite for MATA37H3. Students in Mathematics programs find the Computer Science nomenclature to be confusing and assume that, because the course has a CSC designator, it is not for them. Since students in Mathematics programs greatly benefit from CSCA67H3 we have decided to double-number it with an MAT designator to reduce student confusion.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

## **Centre for Critical Development Studies**

### **IDSC02H3 Environmental Science and Evidence-Based Policy**

The role science plays in informing environmental policy is sometimes unclear. Students in this interdisciplinary class will examine key elements associated with generating scientific environmental knowledge, and learn how this understanding can be used to inform and critique environmental policy. Discussions of contemporary domestic and international examples are used to highlight concepts and applications.

Prerequisite: 8.0 credits including EESA01H3

Recommended Preparation: IDSB02H3

Enrolment Limits: 50

Breadth Requirement: Natural Sciences

*Rationale:*

The course allows students with a keen interest in both science and development policy to refine their understanding of how rigorous scientific knowledge is generated, and how this scientific evidence informs policy. It will be an optional course for students in the IDS Specialist co-op (Arts), IDS Specialist (Arts), IDS Specialist co-op (Science), IDS Specialist (Science), IDS Major program, and Environmental Studies Major.

The course will expand upon applications of environmental sciences provided by EESA01H3, and will also build on the interface between development and environment provided by IDSB02H3. It will explicitly examine the processes by which academic or other reputable research institutions generate rigorous scientific evidence. Course material will be rooted in understanding what constitutes scientific evidence across environmental fields, through discussions on key topics including: formulation of research questions and hypotheses; principles of statistical power and inference; scientific reproducibility and repeatability; reliability of data; the peer-review process; and publication biases in science.

*Consultation:*

Approved by the Departmental Curriculum Committee. Consultation with the Department of Physical and Environmental Sciences. Reviewed by the Dean's Office.

## **Department of English**

### **ENGD53H3 Studies in Popular Genres**

Advanced study of a genre or genres not typically categorized as “literature”, including different theoretical approaches and/or the historical development of a genre. Possible topics might include science fiction, fantasy, gothic, horror, romance, children’s or young adult fiction, or comics and graphic novels.

Prerequisite: 2 C-level courses in English

Enrolment Limits: 22

Breadth Requirement: Arts, Literature & Language

*Rationale:*

Currently, there is no D-level course in English that focuses explicitly on popular literature forms or genre fiction. As a consequence, students can take any or all of the following: ENGB31H3 (Romance: In Quest of the Marvelous), ENGB35H3 (Children’s Literature), ENGB37H3 (Selling Pleasure: Popular Literature & Mass Culture), ENGB38H3 (The Graphic Novel), ENGC11H3 (Poetry & Popular Culture), ENGC23H3 (Fantasy & The Fantastic), ENGC69H3 (Gothic Literature), ENGC78H3 (Dystopian Visions in Fiction & Film), but then have no “next step” if they would like to take their interest in popular art forms deeper. While all of the above courses will necessarily touch on the divide between “high” and “low” culture and the perceived

distinction between “literature” and “fiction,” the proposed D-level course will explore these concepts with a more rigorous theoretical framework, and/or give more attention to the historical evolution of a genre or of mass market readership itself.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean’s Office.

**ENGD54H3 Comparative Approaches to Literature and Culture**

An in-depth examination of a theme or topic through literary texts, films, and/or popular culture. This seminar course will be organized around a particular topic and will include texts from a variety of traditions. Topics might include, for example, “Disability and Narrative” or “Technology in Literature and Popular Culture.”

Prerequisite: 2 C-level courses in English

Breadth Requirement: Arts, Literature & Language

*Rationale:*

Currently, our D-level seminars are organized either by national literatures (e.g., “Topics in Canadian Literature;” “Topics in American Prose”) or by literary historical period (“Topics in the Victorian Period”; “Topics in Early Modern Literature”). This structure does not always accommodate the types of research and subject areas with which our faculty is engaged. A number of our faculty members’ research has broadened to be cross-cultural and interdisciplinary, and/or to range over different historical periods. This new topics course will allow us to teach texts from a variety of different areas and/or periods – so, for example, a course on “disability and narrative” might include British, American, and Canadian texts, and/or texts from different time periods to show shifts in the definition or understanding of “disability.” We also feel that a course like this will be very attractive to students, as it will allow us to teach literature in the context of topical issues -- political, theoretical, and social – with which they will relate.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean’s Office.

**ENGD55H3 Literature, Politics, Revolution**

This advanced seminar will focus on a selected writer or a small group of writers whose literary work engages with themes of politics, revolution and/or resistance. The course will pursue the development of a single author's work over their entire career, or the development of a small group of thematically or historically related writers, and may include film and other media. Topics will vary year to year.

Prerequisite: 2 C-level courses in English

Enrollment Limit: 22

Breadth Requirement: Arts, Literature & Language

*Rationale:*

The purpose of this D-level course is to provide upper-year English students an opportunity to explore the political beliefs and political impact of a writer or a select group of writers in a

seminar-type setting. The focus will be on writers whose literary output distinguishes them, not only within the field of English literature, but also in the popular and political consciousness. The overarching goal is to illuminate the profound impact that literary writers can have on society at large.

This new course is designed to fill a niche within the English department's D-level course offerings that is currently underserved. No other D-level course directly addresses the political impact of literary writers, the way their work has been incorporated into political thinking, inspired social movements and, in some cases, become cemented into the political lexicon. These are the writers who have "made a difference," who have engaged directly with politics and the potential for social revolution, who have fomented (or tried to foment) real change in the world around them.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

**ENGD95H3 Creative Writing as a Profession**

A practical introduction to the tools, skills and knowledge-base required to publish in the digital age and to sustain a professional creative writing career. Topics include: the publishing landscape, pitching creative work, and employment avenues for creative writers. Will also include a workshop component (open to all genres).

Prerequisite: 2 C-level courses in Creative Writing

Recommended Preparation: Students should have developed a significant body of creative works before enrolling in this course.

Enrolment Limit: 20 students

Breadth Requirement: Arts, Literature & Language

*Rationale:*

The purpose of this undergraduate-level creative writing course is two-fold: practical and creative. First, it will provide students with the tools, skills and knowledge-base they will need to sustain a career as a professional creative writer once they graduate. It will expose students to the traditional and emerging publishing landscapes, teach them how to pitch and place creative work in the digital age, and explore the many employment avenues available to accomplished writers, in industries such as publishing, editorial, communications, public relations, technical writing, marketing and advertising. Second (but no less crucially), this course will include a workshop component, in which students will continue developing their creative voices by submitting original work (in whichever genre they practice) for constructive feedback from their peers.

The Department of English launched the Minor in Creative Writing in Fall 2013, and our cohort of active creative writers continues to grow each year. This course will provide vital practical instruction, found nowhere else in our existing curriculum, that will enable our emergent community of writers to a) publish their work more regularly, and b) to apply the creative skills they are developing in studio to employment settings in a variety of fields. Importantly, this course will also include a creative workshop component, ensuring that the practical skills necessary for becoming a professional creative writer are always being taught with an eye towards each individual student's creative development. Looking ahead, the department has also

begun exploring the possibility of launching a Major Program in Creative Writing, of which one of the distinguishing features will be a strong focus on the professionalization of our students' creative writing skills. This course will provide the practical foundation for this distinction.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

## **Centre for French and Linguistics**

### **FREC57H3 French Fiction of the 19<sup>th</sup> Century**

This course will examine themes and literary techniques in various forms of narrative prose from across the 19th century. Attention will also be paid to the historical and sociocultural context in which these works were produced.

Prerequisite: [FREB01H3 and FREB02H3] and [FREB50H3 or equivalent]

Exclusion: (FREC56H3)

Breadth Requirement: Arts, Literature & Language

*Rationale:*

FREC57H3 will replace FREC56H3, which is being deleted. It focuses on 19<sup>th</sup> century French literature more generally, and is more accessible to students.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

### **FREC64H3 Fiction French Fiction of the 20<sup>th</sup> and 21<sup>st</sup> Centuries**

This course will examine French texts, such as comic writing, women's writing, postmodern and postcolonial works, autobiographical works, and fantasy.

Prerequisite: FREB50H3 or equivalent

Exclusion: (FREC61H3)

Breadth Requirement: Arts, Literature & Language

*Rationale:*

FREC64H3 will replace FREC61H3 which is being deleted. The content of this new course is focused more generally on French literature in the 20<sup>th</sup> and 21<sup>st</sup> centuries, allowing for instruction by a number of faculty. In addition, we anticipate it will have a broader appeal for our students.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

### **FRED13H3 Advanced Topics in French Literature**

Topics will vary from year to year. This seminar provides intensive study of a specific aspect of French literature from France. Emphasis may be placed on the importance of a particular movement or theme that will be explored in a variety of genres (novels, short stories, essays,

autobiographies) and different authors. This course will require student participation and will involve a major paper.

Prerequisite: FREB50H3 and at least 0.5 credit at the C-level in FRE literature courses

Breadth Requirement: Arts, Literature and Language

*Rationale:*

The French division of the CFL currently offers only one D-level literature course focusing on Québec's literature. Therefore, it is necessary to broaden the students' options with another D-level course. Additionally, this new course is designed to provide students in the French Specialist and the French Major with a progression in French literature from France, as we already offer B- and C- level courses in this particular stream. Indeed, this new D-level course will be offered as a seminar and will introduce new skills and knowledge required from students who wish to further their studies in literature at the graduate level.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

**FRED14H3 Advanced Topics in the Literature of Québec**

The focus of this seminar will vary from year to year and may examine one specific advanced aspect of Québec's literature by studying a variety of genres (novels, short stories, essays, autobiographies). The course will include questions of identity, the Self, migration, etc. It may also explore literatures from culturally-diverse communities based in Québec.

Prerequisite: FREB50H3 and [0.5 credit in Québec literature and 0.5 credit in French literature, one of which must be at the C-level]

Exclusion: (FRED12H3)

Breadth Requirement: Arts, Literature & Language

*Rationale:*

This course will replace FRED12H3, which is being deleted. This new D-level seminar is more general in terms of content and description. It will give several instructors the opportunity to teach a D-level course while giving them the freedom to change the focus of the course based on personal interest and research efforts. This will allow the CFL to offer the course on a more regular basis, which will help students to complete their programs in more a timely manner. This change will benefit the students' learning experience and time to completion.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

**LINC61H3 Structure of a Language**

An introduction to the phonetics, phonology, word-formation rules, syntax, and script of a featured language other than English or French. Students will use the tools of linguistic analysis learned in prior courses to examine the structural properties of this language. No prior knowledge of the language is necessary.

Prerequisite: LINB04H3 and LINB06H3

Exclusion: LIN409H1

Breadth Requirement: Arts, Literature & Language

*Rationale:*

Most North American linguistics departments offer advanced undergraduate courses in which students apply their knowledge of theoretical linguistics (phonetics, phonology, morphology, syntax and semantics) to the study of a language that is genetically different from the ones in which they are conducting their studies.

The proposed course encourages students to extend their analytical linguistic skills to a language other than English or French. While students are exposed to data from various languages in lower level courses at UTSC, they are not offered the opportunity to examine data from a single language in a systematic and intensive manner. In most undergraduate courses (e.g., Morphology, Syntax), students are provided only small snapshots of linguistic structures from many distinct languages. It is highly instructive, however, to investigate a single language in depth, from its sound system to its sentence structure, to fully appreciate how the distinct subparts of a language work together. Moreover, the greater the cross-linguistic breadth and depth that students gain, the better appreciation they will have for the complexities and nuances of human language.

This course differs from LIND46H3 ‘Field Methods in Linguistics’, where students learn methods for eliciting linguistic data “in the field”. Instead, the focus will be more purely on the structural aspects of the language. Furthermore, this is not a language course where students gain conversational knowledge but rather a linguistics course, where students gain declarative knowledge of the structural properties of the language.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean’s Office.

**PLIC75H3 Language and the Brain**

An introduction to neurolinguistics, emphasizing aphasia and healthy individuals. We will introduce recent results understanding how the brain supports language comprehension and production. Students will be equipped with necessary tools to critically evaluate the primary literature. No prior knowledge of brain imaging is necessary.

Prerequisite: PLIC55H3

Breadth Requirement: Social & Behavioural Sciences

*Rationale:*

In the past thirty years, the advent of cutting-edge techniques to measure the brain in living humans while we carry out everyday tasks has opened the possibility to studying the mind in a way never before possible. Now, it is feasible to see what the brain is doing as we do what we do. The promise this holds for understanding what makes us human is immense, and there is arguably no more potential than in understanding how the brain supports our most uniquely human skill: language. In this time, imaging techniques such as functional magnetic resonance imaging (fMRI) and electroencephalography (EEG) have greatly informed our understanding of both the cognitive mechanisms underlying language comprehension, production and acquisition and also how the brain accomplishes these complex tasks. The goal of this course is to equip students with the tools necessary to evaluate claims in the literature, discern theoretically



interesting research questions and provide the opportunity for hands-on training designing an EEG study.

This course differs from PLIC55H3 ‘Psycholinguistics’, where students learn about advances in how listeners perceive, produce and acquire language with an emphasis on gains made using behavioural measures and methodologies. While PLIC55H3 is a prerequisite, the proposed course emphasizes understanding and recording from the brain and how these results inform our theories of both the brain and cognition and critically builds on core concepts covered in PLIC55H3.

Finally, one goal of the Centre for French and Linguistics at UTSC is to continue its emphasis on psycholinguistic research and training and with the recent hiring in 2013 of a specialist in neurolinguistics, create a research environment on language that stresses integrating brain measurements with psycholinguistic and linguistic models. This course will provide the training and opportunity to foster this community.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean’s Office.

## **Department of Historical and Cultural Studies**

### **HISB23H3 Latin America and the World**

This class will examine Latin America’s social and cultural history from the ancient Aztecs and Incas to the twentieth-century populist revolutions of Emiliano Zapata and Evita Perón. It will also focus on Latin America’s connections to the wider world through trade, migration, and cuisine.

Exclusion: HIS290H, HIS291H, HIS292H

Enrolment Limits: 75

Breadth Requirement: History, Philosophy & Cultural Studies

*Rationale:*

This course is intended to develop the Latin American regional offerings of the History program. This class is distinct from offerings at UTSG and UTM because of its focus on Latin America in world history. The UTSC program has not offered a course of this type before.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean’s Office.

### **HISB93H3 Modern Europe I: The Nineteenth Century**

Europe from the French Revolution to the First World War. Major topics include revolution, industrialization, nationalism, imperialism, science, technology, art and literature.

European Area

Exclusion: HIS241H, (HISB90H3), (HISB92H3)

Breadth Requirement: History, Philosophy & Cultural Studies

*Rationale:*

This B-level course will be taught as a lecture-course introduction to nineteenth-century European History. Having a B-level lecture course on this topic prepares students for upper-level History courses and it helps provide them with the historical background to get the most out of the study of contemporary Europe in courses taught by other departments.

Along with a new B-level lecture course proposed on twentieth-century European History, it will replace HISB92H, which covered modern European History since the French Revolution. HISB92H proved very difficult to teach in a satisfactory manner because there was too much material for the space of only one term. The students found it very difficult to cover so much material and move through events and chronology so quickly. This left them feeling overwhelmed and it reduced the amount of course time that could be spent engaged in discussions of interpretation and cultivating their critical thinking. The Teaching Assistant leading tutorials found it very difficult to lead meaningful discussions when so much material was being covered in the course. The professor lecturing found the condensing of material to be thoroughly unsatisfactory. Breaking up HISB92 into two courses will bring the teaching of Modern European History back in-line with the norm at North American universities, where introductions to European History in the nineteenth century and the twentieth century are taught separately in their own semester long lecture courses.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

**HISC05H3 Feeding the City, from Babylon to Brampton**

This course puts urban foods in world historical perspective using case studies from around the world and throughout time. Topics include provisioning, food preparation and sale, and cultures of consumption in courts, restaurants, street vendors, and domestic settings. Students will practice historical and geographical methodologies to map and interpret foodways.

Prerequisite: 1.0 credit in HIS courses

Enrolment Limits: 50

Breadth Requirement: History, Philosophy & Cultural Studies

*Rationale:*

This course is intended to develop the food history offerings within the department. Food history is becoming an increasingly important field of study. The course also supports offerings in pre-modern history, which have been limited in the department. It offers interdisciplinary approaches.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

**HISC09H3 Pirates of the Caribbean**

This course examines early modern globalization through that cosmopolitan actor, the pirate. Beginning in the Caribbean, we will explore networks of capitalism, migration, empire, and nascent nationalism. By studying global phenomena through marginalized participants—pirates, maroons, rebels, and criminals—we seek alternate narratives on the modern world’s origins.

Prerequisite: 1.0 credit in HIS courses

Enrolment Limits: 50

Breadth Requirement: History, Philosophy & Cultural Studies

*Rationale:*

This course is intended to develop the Latin American regional and global offerings of the History program. The department has not traditionally had many offerings in Latin American history. The focus on early modern global empire will also forge ties to the offerings of other faculty in the department.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean’s Office.

**HISC96H3 Language and Society in the Arab World**

An examination of the relationship between language, society and identity in North Africa and the Arabic-speaking Middle East from the dawn of Islam to the contemporary period. Topics include processes of Arabization and Islamization, the role of Arabic in pan-Arab identity; language conflict in the colonial and postcolonial periods; ideologies of gender and language among others.

Same as AFSC30H3

Prerequisite: Any B-level course in African Studies, Linguistics, History, or Women’s and Gender Studies

Exclusion: AFSC30H3

Enrolment Limits: 50

Breadth Requirement: Arts, Literature & Language

*Rationale:*

This new course is being double-numbered with an existing course in African Studies – AFSC30H3, which provides a window into the history of the Arab world from the prism of language. Since there are currently no dedicated history courses on the Arab world, HISC96H3 fills a gap in course offerings in History.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean’s Office.

**HISD72H3 History of Beer and Brewing**

This research seminar examines the history of beer, including production techniques, gender roles, and drinking cultures, from ancient times to contemporary microbrewing. Students will

produce a major paper or digital project on a chosen case study. Class will include a practicum on historical technologies of malting, mashing, and fermenting.

Prerequisite: Any 8.0 credits in AFS, CLA, GAS, HCS, HIS, RLG, and/or WST courses

Enrolment Limits: 15

Breadth Requirement: History, Philosophy & Cultural Studies

*Rationale:*

This course seeks to expand the research seminar offerings and the food history offerings of the History program. This class is particularly useful for its emphasis on technological change and the experiential learning component of doing historical experiments.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

**WSTC24H3 Gender in the Kitchen**

Across cultures, women are the main preparers and servers of food in domestic settings; in commercial food production and in restaurants, and especially in elite dining establishments, males dominate. Using agricultural histories, recipes, cookbooks, memoirs, and restaurant reviews and through exploration of students' own domestic culinary knowledge, students will analyze the origins, practices, and consequences of such deeply gendered patterns of food labour and consumption.

Prerequisite: 1.0 credit in WST courses

Breadth Requirement: History, Philosophy & Cultural Studies

*Rationale:*

Given the importance of women as food producers and preparers cross-culturally, and the shift from female to male labour as food preparation moves from the domestic, or "home" kitchen into the public/commercial sphere, a course focused on the gendered labour, ideologies and practices of food production and consumption constitutes a key contribution of the Women's and Gender Studies program and to the development of food studies at UTSC.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

**Department of Human Geography**

**CITC06H3 City Studies Workshop II**

City Studies Workshop I provides training in a range of career-oriented research, consulting, and professional skills. Through a series of 4-week modules, students will develop professional practice oriented skills, such as conducting public consultations, participating in design charrettes, making public presentations, writing policy briefing notes, conducting stakeholder interviews, working with community partner organizations, organizing and running public

debates, and participant observation of council meetings and policy processes at Toronto City Hall.

Prerequisite: 8.0 credits including [CITB02H3 and 1.0 credit at the B-level in CIT courses]

Enrolment Limits: 25

Breadth Requirement: Social & Behavioural Sciences

NOTE: This course is designed for third and fourth year students. Priority will be given to students enrolled in the Major/Major Co-op programs in City Studies.

*Rationale:*

City Studies Workshop I (existing) and City Studies Workshop II will be a paired set of courses for students in the Major and Major Co-op programs in City Studies to provide training in a range of career-oriented research, consulting, and professional skills. CITC05H3 Workshop I will run each Spring term for students in the 3<sup>rd</sup> year of the program. CITC06H3 Workshop II will run each Fall term for students in their 4<sup>th</sup> year of the program. Each Workshop course will consist of three 4-week modules. Workshop courses will be housed in the Cities Lab (AC260), and will be capped at an enrolment of 25 students. Modules will focus on practice oriented learning outcomes and skills, such as conducting public consultations, soliciting public feedback, managing projects, participating in design charrettes, making public presentations, grant writing and fundraising, writing policy briefing notes, conducting stakeholder interviews, working with community partner organizations, organizing and running public debates, and participant observation of council meetings and policy processes at Toronto City Hall.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

**GGRB03H3 Writing Geography: From Good to Great**

This course aims to develop critical reading and writing skills of human geography students. Through a variety of analytical, reflexive, and descriptive writing assignments, students will practice how to draft, revise, and edit their writing on spatial concepts. Students will learn how to conduct research for literature reviews, organize materials, and produce scholarly papers. They will also learn to cultivate their writing voice by engaging in a range of writing styles and forms such as blog posts, critical commentaries, travelogues, field notes, and research briefs. The course emphasizes writing clearly, succinctly, and logically.

Prerequisite: Any 4.0 credits

Breadth Requirement: Arts, Literature & Language

Note: Priority will be given to students enrolled in the Major program in Human Geography.

Additional students will be admitted as space permits.

*Rationale:*

This course aims to develop the critical reading and writing skills of human geography students. We have found that many students face challenges when courses require them to critically read and analyze academic material and structure essays in a logical and clear way. By focusing on reading and writing geography we therefore aim to develop geographically articulate students well versed in putting spatial concepts into writing. We believe that the most appropriate level for this course is the B level. This is a time when students transition from large lecture-based courses into smaller seminar courses, and the balance of assignments changes toward essay writing. The

course will be designed to be of value to the best students, as well as students who struggle with basic essay assignments.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

**GGRC12H3 Transportation Geography**

Transportation systems play a fundamental role in shaping social, economic and environmental outcomes in a region. This course explores geographical perspectives on the development and functioning of transportation systems, interactions between transportation and land use, and costs and benefits associated with transportation systems including: mobility, accessibility, congestion, pollution, and livability.

Area of focus: Urban Geography

Prerequisite: Any 8.0 credits including GGRA30H3 and [GGRB05H3 or CITB02H3]

Exclusion: GGR370H5, GGR424H1

Recommended Preparation: GGRB30H3

Enrolment Limit: 60

Breadth Requirement: Social & Behavioural Sciences

*Rationale:*

This course closes a gap in our Human Geography curriculum by giving focused attention to the quickly growing subfield of transportation geography. The course builds on background courses in urban geography and quantitative methods in order to demonstrate the integrated role transportation systems play in daily life, society, economics, and the environment. It also provides students with hands-on experience in quantitative analysis of transport systems using data analysis, GIS and network analysis. Such experience is increasingly being demanded of our graduates by the labour market. There are currently similar courses taught by the geography departments at UTM and UTSG campuses, and a related, but complimentary, course being offered as part of the Cities Studies program here at UTSC with a much stronger emphasis on policy analysis.

This course will contribute to the Urban Geography area of Focus for the Major Degree in Human Geography, and to the City Studies "City Building" area of Focus. The course will also contribute directly to the new Minor Program in GIS, where it will be an option for Program Requirement 4. An understanding and appreciation of Transportation Geography, planning and analysis is a crucial skill for anyone working in urban planning, urban administration, and public policy at all levels of government today. We expect significant interest in this course.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

**Department of Management**

**MGFD15H3 Private Equity**

This course explores the private equity asset class and the private equity acquisition process. It covers both the academic and practical components of private equity investing, including: deal sourcing, financial modelling and valuations, transaction structuring, financing, diligence, negotiations, post transaction corporate strategy and governance.

Prerequisite: MGAB02H3/(MGTB06H3) **and** MGFC10H3/(MGTC09H3)

Enrolment Limits: 40

Breadth Requirement: Social & Behavioural Sciences

*Rationale:*

Private Equity is an asset class that is no longer considered “non-traditional” by investors. Over the past 10 years private equity has rapidly grown to approximately \$3 trillion worth of investments. As such, students who are pursuing their studies in finance should understand the theoretical aspects and practical nuances of private equity.

In addition to having strong academic underpinnings, this course will have a practical component that will provide students with a distinct competitive advantage in the job market. UTSC Management students will develop a strong understanding of advanced transaction valuation theory as well as the advanced financial and cost accounting, and corporate strategy aspects most relevant to private equity. In addition, through a strong focus on class participation and case-based learning, the students will hone their critical thinking, negotiation and research skills, while expanding on their ability to use technical, software and database tools to conduct financial analysis.

This will be an advanced level finance course that can only be taken once a student has completed introductory and intermediate finance and accounting prerequisites. The course builds upon the finance curriculum which is currently underrepresented by courses in the private markets.

*Consultation:*

Approved by the Departmental Curriculum Committee. Consultation with the Management Co-op Office. Reviewed by the Dean’s Office.

## **Department of Physical and Environmental Sciences**

### **EESB20H3 Sedimentology and Stratigraphy**

Sedimentary basins hold the bulk of Earth’s rock record and are fundamental in the study of past environments, tectonic evolution, climates, and biosphere. This course will explore different basin types and the nature of their infills. The course will also emphasize the economic resources within sedimentary basins and paleoenvironmental significance.

Prerequisite: EESA01H3 and EESA06H3

Exclusion: ESS331H1, ESS332H1, ERS313H5

Breadth Requirement: Natural Sciences

Note: Priority will be given to students enrolled in the Specialist Program in Environmental Geoscience (Co-op and non-Co-op). Additional students will be admitted as space permits.

*Rationale:*

This course will prepare students for an advanced course in Glacial Geology (EESC31H3), and is a requirement of the Association of Professional Geoscientists of Ontario (APGO) for obtaining Professional Geoscientist (P.Geo) Certification. It is designed to fit into the Specialist Program in Environmental Geoscience.

Sedimentology and stratigraphy is a well-established course in the study of geosciences in which students first learn to view the world as a geoscientist making careful observations and linking them to geologic processes, and taking incomplete data and creating a consistent interpretation of the geologic setting. It is within this context that the course is distinctive in the program. There are no similar courses at UTSC; the Department of Earth Sciences at U of T, and Earth Science at UTM also offer courses in sedimentology.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

**ESTC35H3 Environmental Science and Technology in Society**

In this course students will engage critically, practically and creatively with environmental controversies and urgent environmental issues from the standpoint of the sociology of science and technology (STS). This course will contribute to a better understanding of the social and political construction of environmental science and technology.

Prerequisite: ESTB01H3

Enrolment Limits: 60

Breadth Requirement: Social & Behavioral Sciences

Note: Priority will be given to students enrolled in the Environmental Studies Program.

Additional students will be admitted as space permits.

*Rationale:*

To build a distinct Environmental Studies program at UTSC we need to offer environmental studies courses in all three components of the program: Core courses, Foundations & Skills courses, and Capstone & Applications courses. This course will provide students with the necessary knowledge and skills for environmental practice and decision-making, namely a better understanding of the role of science and technology in solving environmental problems. This course also provides a strong bridge between the environmental sciences and political science, and provides students with knowledge and skills in science studies (also known as the sociology of science).

Interest in the field of science and technology studies is growing, as the role of science and technology in society is being questioned, contested and increasingly explicitly politicized. This interdisciplinary course will be attractive to a wide range of students including but not restricted to environmental studies.



*Consultation:*

Approved by the Departmental Curriculum Committee. Consultation with the Department of Political Science. Reviewed by the Dean's Office.

**ESTC36H3 Knowledge, Ethics and Environmental Decision-Making**

Most environmental issues have many sides including scientific, social, cultural, ethical, political, and economic. Current national, regional and local problems will be discussed in class to help students critically analyze the roots of the problems and possible approaches to decision-making in a context of pluralism and complexity.

Prerequisite: ESTB01H3

Enrolment limit: 60 students

Breadth Requirement: Social & Behavioural Sciences

Note: Priority will be given to students enrolled in the Environmental Studies Program.

Additional students will be admitted as space permits.

*Rationale:*

To build a distinct Environmental Studies Program at UTSC we need to offer environmental studies courses in all three components of the program: Core courses, Foundations & Skills courses, and Capstone & Applications courses. Through a mix of lecturing, discussion and reporting, students will consider a number of books and articles that introduce useful concepts or provide useful content. Students will learn about multiple stakeholder approaches to environmental problem solving, including participatory and deliberative fora, citizen panels, consultation mechanisms, adaptive management processes, etc. Many of these techniques seek broad societal consensus in decision-making on complex environmental issues. Using fair procedures, scientific information and facilitated dialogue can go a long way towards achieving agreed-upon terms of reference for dealing with environmental issues. But sometimes conflicts of interest, values and beliefs are not amenable to consensus building and environmental problem solving must be structured to allow for the persistence of radically different perspectives.

*Consultation:*

Approved by the Departmental Curriculum Committee. Consultation with the Department of Political Science. Reviewed by the Dean's Office.

**PHYD26H3 Planetary Geophysics**

A course introducing some of the key physical processing governing the evolution of planets and moons. Topics covered will include: planetary heat sources and thermal evolution, effects of high temperature and pressure in planetary interiors, planetary structure and global shape; gravity, rotation, composition and elasticity.

Prerequisite: Completion of at least 1.0 credit at the C-level in PHY or AST courses

Breadth Requirement: Natural Sciences

Note: No previous knowledge of Earth Sciences or Astrophysics is assumed.

*Rationale:*

This course will increase the number of fourth year Physics course offerings at UTSC. It will be an optional course for students enrolled in the Physics and Astrophysics programs as well as the Environmental Physics Specialist program.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

**PSCD50H3 Advanced Topics in Quantum Mechanics**

This course provides exposure to a variety of theoretical concepts and practical methods for treating various problems in quantum mechanics. Topics include perturbation theory, variational approach, adiabatic approximation, mean field approximation, Hamiltonian symmetry implementation, light-matter interaction, second quantization.

Prerequisite: Any one of the following courses [PHYC56H3 or CHMC20H3 or CHMC25H3]

Exclusion: PHY456H1, CHM423H, CHM421H, JCP421H5

Breadth Requirement: Natural Sciences

*Rationale:*

Many phenomena that are important from both fundamental and practical perspectives, have an inherently quantum nature: human vision, spectroscopy, photosynthesis, etc. To understand the quantum world we need approaches developed using the framework of quantum physics. Currently, at UTSC only courses covering the basics of quantum mechanics are offered, with little discussion of the practical methods used in actual research. The proposed course aims to educate science students by introducing modern quantum physics research methods. This should provide understanding of a range of tools currently employed by scientists, including modelling, the computational cost of various approaches, their accuracy and underlying physical paradigms.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

**Department of Philosophy**

**PHLC09H3 Topics in Continental Philosophy**

This course is a reading and discussion intensive course in 20<sup>th</sup> century German and French European Philosophy. Among the movements we shall study will be phenomenology, existentialism, and structuralism. We will look at the writings of Martin Heidegger, Jean-Paul Sartre, Maurice Merleau-Ponty, Michel Foucault, Gilles Deleuze, among others.

Prerequisite: 5.0 full credits, and an additional 1.5 credits in Philosophy

Breadth Requirement: History, Philosophy & Cultural Studies

*Rationale:*

UTSC does not currently offer any advanced courses in continental philosophy, a standard offering of most philosophy departments. (Currently there is only a B-level course, narrowly focused on Existentialism alone.) This is a gap in the curriculum that is worth addressing. There was also clear student interest in continental philosophy, whenever it has been offered either as an independent study or as topic of the Philosophy Proseminar (C99).

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

**PHLD78H3 Advanced Seminar in Political Philosophy**

This advanced seminar will delve more deeply into an issue in political philosophy. Topics will vary from year to year, but some examples include: distributive justice, human rights, and the political morality of freedom. Students will be required to present material to the class at least once during the semester.

Prerequisite: 3.5 credits in Philosophy, including at least 1.0 credit at the C-level

Breadth Requirement: History, Philosophy & Cultural Studies

*Rationale:*

This course complements the existing offerings in the Philosophy Department at UTSC. The department offers an introductory B-level course in political philosophy, but there is no D-level upper level seminar course for students to take in the field. The closest course in Philosophy is the upper level ethics seminar, which does not cover the same material.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

**Department of Political Science**

**POLB72H3 Introduction to Political Theory**

This course presents a general introduction to political theory and investigates central concepts in political theory, such as liberty, equality, democracy, and the state. Course readings will include classic texts such as Plato, Aristotle, Hobbes, Rousseau, and Marx, as well as contemporary readings.

Area of Focus: Political Theory

Prerequisite: Any 4.0 credits

Exclusion: PHLB17H3

Breadth Requirement: History, Philosophy & Cultural Studies

*Rationale:*

This course has been designed to meet the goal in the Political Science Major and Specialist programs of introducing students to the key concepts, and their philosophical proponents, in Political Theory. It will replace the existing two single-semester required courses in Political Theory (POLB70H and POLB71H) that are organized as courses focusing on texts that can be inaccessible and easily turn students off the study of political theory. POLB72H3 is organized

around major concepts in political theory, and will use the study of concepts as the point of departure to study classic texts. For example, the concept of liberty will be used as a starting point to discuss contrasting theories of political liberty, such as Cicero, Machiavelli, and Hobbes, as well as contemporary readings by Skinner or Berlin.

*Consultation:*

Approved by the Departmental Curriculum Committee. Consultation with the Department of Philosophy. Reviewed by the Dean's Office.

**POLC72H3 Liberty**

The course investigates the concept of political liberty in various traditions of political thought, especially liberalism, republicanism, and Marxism. The course will investigate key studies by such theorists as Berlin, Taylor, Skinner, Pettit, and Cohen, as well as historical texts by Cicero, Machiavelli, Hobbes, Hegel, Constant, Marx, and Mill.

Area of Focus: Political Theory

Prerequisite: POLB72H3 or (POLB70H3) or (POLB71H3)

Breadth Requirement: History, Philosophy & Cultural Studies

*Rationale:*

This course investigates one of the central concepts of political thought, and invites students to engage in conceptual and normative analysis. The course is intended to sharpen students' analytical skills and emphasizes the use of texts, both contemporary and historical, in support of this task.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

**POLD09H3 International Relations of Ethnic Conflict**

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 the use of sanctions and international interventions. The class involves discussions, problem-solving exercises, and teamwork.

Area of Focus: International Relations

Prerequisite: [POLB80H3 and POLB81H3] and [1.5 credits at the C-level in POL or IDS courses]

Exclusion: POL466H

Recommended Preparation: POLC09H3

Enrolment Limits: 25

Breadth Requirement: Social & Behavioural Sciences

*Rationale:*

This course explores the internationalization of ethnic conflict and the international drivers of civil war. The study of transnational ethnic conflict addresses some of the most cutting edge

questions in the study of International Security, bridging both the Comparative Politics and International Relations sub-fields. This course covers diaspora politics, contagion and demonstration effects, regional security complexes, separatism and irredentism, and the use of sanctions and international interventions. There are no comparable courses offered in the Political Science department at UTSC, nor are there any other D-level courses offered in the department on any topics in International Security. Given that International Security is a major subfield in IR, this course helps to fill this gap.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

## **Department of Psychology**

### **NROD08H3 Theoretical Neuroscience**

A seminar covering topics in the theory of neural information processing, focused on perception, movement, learning and memory. Through reading, discussion and working with computer models students will learn fundamental concepts underlying current theories of brain function including information theory, spike-time/rate coding, population codes, liquid state-machines and Bayesian optimality.

Same as BIOD08H3

Prerequisite: [NROC34H3 or NROC64H3 or NROC69H3] and [MATA30H3 or MATA31H3] and [PSYB07H3 or STAB22H3]

Exclusion: BIOD08H3

Breadth Requirement: Natural Sciences

*Rationale:*

This advanced Neuroscience course will provide students with the chance to wrestle with the most fundamental questions in neuroscience (e.g. what is information, and how do neurons encode information?) that can also be the most conceptually difficult. To achieve this, the class will be a hands-on seminar where half of the class time is spent discussing primary research papers, and the other half is spent attempting to model the ideas presented in the papers in Matlab. This will make it possible for students to take on conceptually difficult ideas and truly understand them.

The course fills a gap in the biology and neuroscience curricula. The course will be added to the Specialist Programs in Integrative Biology and Neuroscience as well as the Major Programs in Human Biology and Neuroscience. It has some limited overlap with PSYD51 and slightly more overlap with the classes PSL432 and CSC321 (although not to the point of requiring exclusions) offered on the St. George Campus. It is innovative in combining a discussion based seminar with some basic, in-class computer modelling, which will provide students with a unique experience that will have applications in their studies/careers outside of neuroscience.

This course is double-numbered with the new course BIOD08H3.

*Consultation:*

Approved by the Departmental Curriculum Committee. Consultation with the Department of Biological Sciences. Reviewed by the Dean's Office.

## **Department of Sociology**

### **SOCB60H3 Issues in Migration & Ethnic Diversity**

The course examines the cultural, demographic, and political causes and consequences of migration; laws and government policies shaping migration and refugee flows; demographic, social, cultural, and legal dimensions of migration; and issues of integration and ethnic diversity from historical and contemporary perspectives.

Prerequisite: Completion of 1.0 credit from the following courses [SOCA01H3, SOCA02H3, ANTA02H3, GGRA02H3, GASA01H3/HISA06H3, GASA02H3, HISA04H3, HISA05H3]

Breadth Requirement: Social & Behavioural Sciences

Note: Priority will be given to students enrolled in the Minor in Migration & Ethnic Diversity. Additional students will be admitted as space permits.

*Rationale:*

SOCB60H3 will act as a gateway course for the new freestanding Minor in Migration & Ethnic Diversity. It will provide an overview of key themes and topics, and introduce students to a data driven approach to the topic. Tutorials housed in the Cities Lab will give students hands-on experience in line with the department's data-driven and digital approach. It will introduce students to the curricular framework of the Minor program and train them to locate, analyze, and interpret qualitative and quantitative data. It will take an experiential approach to learning around the topic of migration and ethnicity by offering students opportunities to leverage their knowledge and skills in "real world" local and global contexts.

*Consultation:*

Approved by the Departmental Curriculum Committee. Consultation with the Departments of Anthropology, Historical and Cultural Studies, Human Geography, and Political Science. Reviewed by the Dean's Office.

### **SOCD51H3 Capstone Seminar in Culture, Creativity and Cities**

This course provides a hands-on learning experience with data collection, analysis, and dissemination on topics discussed in the Culture, Creativity, and Cities Minor program. It involves substantial group and individual-based learning, and may cover topics as diverse as the role of cultural fairs and festivals in the city of Toronto, the efficacy of arts organizations, current trends in local cultural labour markets, artistic markets inside and outside of the downtown core, food culture, and analysis of governmental datasets on arts participation in the city.

Prerequisite: 15.0 credits completed, including [[SOCB58H3 and SOCC26H3] or [SOCA01H3 and SOCA02H3 and SOCB05H3]] and [1.0 credit from the following: SOCB42H3, SOCB43H3, SOCB30H3, SOCB47H3]

Enrolment Limits: 20

Breadth Requirement: Social & Behavioural Sciences

NOTE: Priority will be given to students enrolled in the Minor in Culture, Creativity, and Cities followed by Specialist and Major programs in Sociology. Additional students will be admitted as space permits.

*Rationale:*

This course will function as the capstone course for new Minor program in Culture, Creativity, and Cities. It is designed to complement the department's current strengths, while still offering novel curricular material at their intersection. The course is distinctive and innovative in that it provides a hands-on experience with data collection and analysis on rotating topics to conclude the Culture, Creativity, and Cities sequence.

*Consultation:*

Approved by the Departmental Curriculum Committee. Consultation with the Department of Human Geography. Reviewed by the Dean's Office.



OFFICE OF THE CAMPUS COUNCIL

**FOR APPROVAL**

**PUBLIC**

**OPEN SESSION**

**TO:** UTSC Academic Affairs Committee

**SPONSOR:** Dean and Vice-Principal (Academic), Rick Halpern

**CONTACT INFO:** 416-208-7027, vpdean@utsc.utoronto.ca

**PRESENTER:** Vice-Dean, Undergraduate, Mark Schmuckler

**CONTACT INFO:** 416-208-2978, vicedean@utsc.utoronto.ca

**DATE:** Tuesday, February 10, 2015

**AGENDA ITEM:** 3 (b)

**ITEM IDENTIFICATION:**

Major Modification B introducing a freestanding Minor in Migration and Ethnic Diversity

**JURISDICTIONAL INFORMATION:**

University of Toronto Scarborough Academic Affairs Committee (AAC) “is concerned with matters affecting the teaching, learning and research functions of the Campus (AAC *Terms of Reference, Section 4*.” Under section 5.6 of its terms of reference, the Committee is responsible for approval of “Major and minor modifications to existing degree programs.” The AAC has responsibility for the approval of Major and Minor modifications to existing programs as defined by the University of Toronto Quality Assurance Process. (*UTQAP, Section 3.1*)

**GOVERNANCE PATH:**

1. **UTSC Academic Affairs Committee [For Approval] (February 10, 2015)**

**PREVIOUS ACTION TAKEN:**

No previous action in governance has been taken on this item.

**HIGHLIGHTS:**

The Department of Sociology is proposing to introduce a new freestanding Minor program in Migration and Ethnic Diversity.

This is a proposal to introduce a new freestanding Minor program in Migration and



*Freestanding Minor in Migration and Ethnic Diversity – for approval*

Ethnic Diversity, which will provide leading-edge curriculum and skills-based training in an in-demand, high-growth area of social science inquiry.

Although there is significant student interest in migration and ethnic diversity, currently there are no undergraduate programs in the area of Migration Studies and/or Ethnic Diversity at UTSC or across the tri-campus University of Toronto. A previous survey and consultation with students found that students want to be able to pursue post-graduate degrees but also want opportunities that provide clear signals and bridges to the labour market and the skills to secure employment. The proposed Minor is designed with this dual and complementary agenda in mind.

There is also strong evidence of societal demand for a Minor in Migration and Ethnic Diversity. The magnitude and complexity of international migration makes it an important force in contemporary and historical global, national and local social transformations. Migration is linked to global issues such as development, inequality and human rights, it underpins economic growth and nation-state formation, and it represents challenges to existing national, ethno-linguistic and religious identities, resource allocations and institutional arrangements. Migration and the social transformations it engenders is a central and defining feature of Canadian society.

We anticipate that the proposed Minor will be popular among students in Sociology and Historical and Cultural Studies disciplines with enrolment also expected from students in International Development Studies, Health Studies, Human Geography, and Political Science. Concrete training and experience in research and data analysis, and knowledge of migration and ethnic diversity grounded in material conditions will give graduates a comparative advantage in the labour and graduate school market.

The proposed Minor draws principally from already-existing faculty complement, course offerings, and campus strengths, infusing them with new focus, intention, and momentum.

There is one new course associated with this proposed program – SOCB60H3 Issues in Migration & Ethnic Diversity.

This proposal has been approved by the Sociology Departmental Curriculum Committee. It has been reviewed by the Dean's Office, the Decanal Undergraduate Curriculum Committee and the Provost's Office.

**FINANCIAL IMPLICATIONS:**

Any new/additional financial obligations resulting from this proposal will be met by the Department of Sociology and the Office of the Dean. There are no net financial implications for the campus operating budget.

*Freestanding Minor in Migration and Ethnic Diversity – for approval*

**RECOMMENDATION:**

Be It Resolved,

THAT the proposed freestanding Minor in Migration and Ethnic Diversity, as described in the package dated January 13, 2015 and recommended by the Dean and Vice-Principal (Academic), Professor Rick Halpern, be approved effective April 1, 2015 for the academic year 2015-16.

**DOCUMENTATION PROVIDED:**

1. Major Modification Type B: freestanding Minor in Migration and Ethnic Diversity, dated January 13, 2015.



## University of Toronto Major Modification Proposal – Type B: New Freestanding Minor where there is no Existing Specialist or Major

<b>What is being proposed:</b>	New Freestanding Minor program in Migration and Ethnic Diversity
<b>Department / Unit where the program will be housed:</b>	Department of Sociology
<b>Faculty / Academic Division:</b>	University of Toronto Scarborough
<b>Faculty / Academic Division Contact:</b>	Annette Knott, Academic Programs Officer <a href="mailto:aknott@utsc.utoronto.ca">aknott@utsc.utoronto.ca</a>
<b>Department/Unit Contact:</b>	Patricia Landolt, Chair – <a href="mailto:landolt@utsc.utoronto.ca">landolt@utsc.utoronto.ca</a> Janet Roopnarinesingh – <a href="mailto:janetr@utsc.utoronto.ca">janetr@utsc.utoronto.ca</a>
<b>Start date of the program:</b>	April 1, 2015
<b>Date of this version of the proposal:</b>	January 13, 2015

## 1 Executive Summary

This is a proposal to introduce a new freestanding Minor program in Migration and Ethnic Diversity, which will provide leading-edge curriculum and skills-based training in an in-demand, high-growth area of social science inquiry.

There is significant student interest as demonstrated by the volume of students enrolled in thematically relevant courses in sociology (325 per year) and the positive reception to pilot D-level courses in the field. Currently, there are no undergraduate programs in the area of Migration Studies and/or Ethnic Diversity at UTSC or across the tri-campus University of Toronto. A previous survey and consultation with students found that students want to be able to pursue post-graduate degrees but also want opportunities that provide clear signals and bridges to the labour market and the skills to secure employment. The proposed Minor is designed with this dual and complementary agenda in mind.

There is also strong evidence of societal demand for a Minor in Migration and Ethnic Diversity. The magnitude and complexity of international migration makes it an important force in contemporary and historical global, national and local social transformations. Migration is linked to global issues such as development, inequality and human rights, it underpins economic growth and nation-state formation, and it represents challenges to existing national, ethno-linguistic and religious identities, resource allocations and institutional arrangements. Migration and the social transformations it engenders is a central and defining feature of Canadian society.

The proposed program reflects a new direction in the academic plan of the Department of Sociology at UTSC. The department seeks to complement existing strength in the discipline with interdisciplinary programs that focus on two distinguishing characteristics: first, a data-driven approach that will train students to locate, analyze, interpret and produce qualitative and quantitative data; and second, significant experiential learning opportunities for students to leverage their skills in “real world” local and global contexts. In the case of the proposed Minor in Migration and Ethnic Diversity, students will analyze cultural, demographic, and political causes and consequences of migration; laws and government policies shaping migration and refugee flows; demographic, social, cultural, and legal dimensions of migration; and issues of integration and ethnic diversity from historical and contemporary perspectives. The distinctive features of the program thus include: strong foundations in social science logic of social inquiry; experiential learning in and out of the classroom; intentionally bridging students learning and skills into “real world” contexts; and labour market opportunities.

The program does not pose significant negative impacts on other programs. It does offer opportunities to complement students existing areas of interest. We anticipate that the proposed Minor will be popular among students in Sociology and Historical and Cultural Studies disciplines with enrolment also expected from students in International Development Studies, Health Studies, Human Geography, and Political Science. Concrete training and experience in

research and data analysis, and knowledge of migration and ethnic diversity grounded in material conditions will give graduates a comparative advantage in the labour and graduate school market.

The proposed Minor draws principally from already-existing faculty complement, course offerings, and campus strengths, infusing them with new focus, intention, and momentum.

There is one new course associated with this proposed program – SOCB60H3 Issues in Migration & Ethnic Diversity.

## 2 Program Rationale

This is a proposal to introduce a new freestanding Minor program in Migration and Ethnic Diversity. We anticipate the program will resonate with societal interest and concerns, as reflected in media coverage and political agendas in Canada, Europe and globally. The program is at the forefront of a university wide effort to re-imagine undergraduate education, and is consistent with, and extends, the Department of Sociology’s academic priorities.

### Societal Context

The magnitude and complexity of international migration makes it an important force in contemporary and historical global, national and local social transformations. Migration is linked to global issues such as development, inequality and human rights, it underpins economic growth and nation-state formation, and it represents challenges to existing national, ethno-linguistic and religious identities, resource allocations and institutional arrangements.

We are proposing this Minor program at a crucial moment in local, national and global engagement with border-crossing population movements and their social, economic, political and cultural dimensions. Migration studies is an interdisciplinary field with a rich scholarly trajectory, sustained by academic journals, world-renowned research institutes at all top-ranked North American and European universities and a rich global community of scholars. Migration and ethnic diversity are core concerns of national and international policy discussions and intersect with a diversity of issues ranging from labour markets and workers rights, citizenship and multiculturalism policy and associated arenas (schooling, healthcare, etc.), differential inclusion of non-citizens, development issues such as remittances, the brain drain and transnational politics.

### University Strategic Priorities

The proposed Minor draws on existing resources and re-imagines the undergraduate curriculum in ways that resonate with President Gertler’s three priorities: leveraging our location more fully, strengthening our international partnerships, and reinventing undergraduate education.

It will build community partnerships in and around Scarborough for both in- and out-of classroom-engagement, and channel students into a growing field with direct labour market

application. It will also build, and enable students to transfer, competencies and skills developed in the program to local, national, and global job opportunities in government, industry, NGOs, and academia.

The proposed Minor gives added purpose to existing scholarly and curricular strength at UTSC. Over the past fifteen years, UTSC has made significant investment in the field by hiring faculty with expertise in migration and ethnic diversity across its various social science departments. The proposed Minor provides a clearly defined analytical and curricular framework to give added purpose, and to generate interdisciplinary collaboration within the existing faculty complement.

#### Department Norm

The Minor fits within and enriches Department of Sociology norms. Department curriculum focuses on strategic pedagogical development in writing-intensive and research-intensive skills. The former is realized through a focus on writing skills development in B-level tutorials and a suite of C-level electives designated “writing intensive”. The latter is realized through a course sequence (SOCC05H3, SOCC23H3, SOCC31H3, SOCD50H3) that takes students from an introduction to the logic of social inquiry, to research exposure, to applications of quantitative and qualitative research methods, culminating in hands on experience conducting independent research. The Minor follows and extends this focus on methods, research exposure in multiple methods and hands on research experience.

#### Distinctiveness

Three features make the program distinctive:

- First, there is an explicit focus on the use of topic-relevant quantitative and qualitative data sources. The program will collect and make good use of “research modules” that offer instructors and students ready-made quantitative and qualitative data sets for use in the Migration and Ethnic Diversity curriculum. Housed online, it will be possible for curriculum modules to be accessed for pedagogical and research use by the entire UTSC community.
- Second, the proposed program incorporates experiential learning into curriculum. The Minor critically leverages and interrogates students’ own migration histories and experiences of ethnic identity formation and racialization. It also makes intentional connections between social science knowledge and out-of-classroom learning experiences through fieldwork courses in Scarborough and through the establishment of community partnerships. There are two migration-related courses in place in the Department of Sociology that serve as a base line and model for this pedagogical approach. SOCC34H3 (Migrations & Transnationalism) requires students to conduct an interview with an immigrant and write a life history narrative. SOCD21H3 (Immigrant Scarborough) is organized around a community partnership and involves fieldwork in Scarborough. We expect to promote and expand this pedagogical approach to other courses in Sociology and potentially in Historical and Cultural Studies, which is receptive to the idea. In order to expand this approach, we plan to draw on the expertise and community contacts of the UTSC Manager, Community Development and Engagement and the Centre for Community Partnerships. We have already established working relations with both of these

individuals/offices.

- The focus on experiential learning empowers students to experience “big ideas”: i.e., the assignments and curriculum that knit our Minor together require students to go beyond the consumption of knowledge to producing original research that can be showcased to assist students with their own professional and scholarly goals. Existing courses (SOCD21H3, SOCC34H3) and the gateway B-level course (SOCB60H3 Introduction to Migration & Ethnic Diversity) will require students to work with secondary data and collect primary data, thus carrying out original research.
- Third, the proposed Minor will encourage the development of key relationships, partnerships, and collaborations. Our faculty affiliates are united in interdisciplinary commitment to make purposeful use of qualitative and/or quantitative data in both new and existing courses for the proposed Minor. In addition, the students in the proposed Minor will work in close partnership with the Library’s Digital Scholarship Unit to create the aforementioned innovative research modules for classroom use. Consultation with the Digital Scholarship Unit will also guide our best practices in digital archiving, public presentation, and the development of web space to collect and showcase student work. Finally, the Cities Lab offers a key site for shared resources and collaboration. The gateway B-level course (SOCB60H3 Introduction to Migration & Ethnic Diversity) will feature tutorials housed in the Cities Lab to give students hands-on experience in line with our data-driven and digital approach.

### 3 Need and Demand

#### Direct application to the labour market and post-graduate study

One of the challenges of building interdisciplinary programs is their often ambiguous relationship to post-graduation employment. As designed, the proposed Minor is interdisciplinary with clear pathways to a robust, attractive sector of the labour market. Our data-driven approach takes seriously what employers want from graduates. The program provides exposure to, and hands on experience with, a variety of data sources that guide local, provincial, national and global policies on migration and ethnic diversity. Instructor-led experiences require students to develop hands-on skills in research, internal/external communication, team facilitation, and community outreach. Students will graduate from the Minor with familiarity with the work done by a variety of sectors and actors that overlap with the fields of migration and ethnic diversity and equity including in government, industry, social service and community agencies, NGOs, and research think tanks.

While there are several graduate programs in the field of migration and ethnic diversity in Ontario, there remains no undergraduate program in this key area. Given our faculty strength, expertise and both institutional and individual reputation, we are confident that, in combination with a discipline-specific Major, the proposed Minor will prepare our undergraduates for admission into prestigious graduate programs in Migration Studies at Ontario universities. Examples include the University of Western Ontario’s Graduate Program in Migration and Ethnic Relations and Ryerson University’s Graduate Program in Immigration and

Settlement Studies.

An innovative Minor in its institutional context

There is a strategic opportunity for UTSC to fill the knowledge and skills gap on issues of migration and diversity in the GTA. Outside of Ontario, two leading Canadian Sociology departments and social science divisions have introduced undergraduate Minor programs: Canadian Ethnic and Racial Studies at McGill and Migration Studies at the University of British Columbia.

No other department across the University of Toronto tri-campus system offers a program like the one being proposed. The tri-campus undergraduate program in Diaspora and Transnational Studies frames global migration as one among many types of cross-border flows, does not consider the relationship between migration and settlement outcomes (i.e. differential social inclusion, social inequality and/or ethnic diversity) and offers strength in inter-textual analysis but does not focus on skills development in quantitative and qualitative social science methods. The FAS offers a graduate program – Collaborative Program in Ethnic and Pluralism Studies – that focuses on the study of ethnic diversity and interethnic group relations in Canadian society in a comparative context.

Our proposed Minor addresses a programmatic gap in Ontario and at the University of Toronto, and we anticipate it will assist UTSC in its ongoing efforts to recruit a competitive and talented undergraduate body.

Student Demand

Our research confirms high levels of interest in an interdisciplinary Minor in the study of migration. There are currently fourteen thematically relevant C- and D-level courses across different social science programs. Enrolment in these courses has been consistently strong over the last five years. On average, every year the Department of Sociology teaches more than 300 students in courses in migration, race and ethnicity related courses. Starting in 2013-14, pilot D-levels (SOC15H3 Advanced Seminar in Migration and Ethnicity and SOC21H3 Immigrant Scarborough) that combine themes of migration and ethnicity, and have strong experiential learning components (fieldwork, community-engagement, formal community partnerships) have been very successful.



**Table 1: Undergraduate Enrolment Projections**

Level of study	Academic year 2015-16	Academic year 2016-17	Academic year 2017-18	Academic year 2018-19	Academic year 2019-20
1 <sup>st</sup> year					
2 <sup>nd</sup> year	20	30	40	50	60
3 <sup>rd</sup> year		20	30	40	50
4 <sup>th</sup> year			20	30	40
<b>Total enrolment</b>	20	50	90	120	150

Program will reach steady state in 2019-20

## 4 Admission / Eligibility Requirements

None

## 5 Program Requirements

Complete Program Description and Proposed Calendar copy:

### Minor Program in Migration and Ethnic Diversity (Arts)

*Program Advisor:* Janet Roopnarinesingh

[janetr@utsc.utoronto.camailto:janetr@utsc.utoronto.ca](mailto:janetr@utsc.utoronto.ca)

The Minor program in Migration and Ethnic Diversity offers students an understanding of the causes and consequences of international migration in sending, transit and receiving societies. Issues of ethnic diversity, pluralism, and social equity are highlighted. The Minor is interdisciplinary in content and method; through data-driven coursework and experiential learning, students will develop a suite of transferable skills in research design, quantitative and qualitative data analysis, and written, oral, and digital communication. Paired with a discipline-specific major graduates of the program will have a comparative advantage in the labour market and graduate school market due to concrete training and experience in research and data analysis, and knowledge of migration and ethnic diversity grounded in material conditions.

### Program Restrictions

Students in the Minor in Migration and Ethnic Diversity may count only 1.0 credit in Sociology courses, from the following list, towards completion of the program: SOCA01H3, SOCA02H3, SOCB05H3.

**Program Requirements**

The program in Migration and Ethnic Diversity requires completion of 4.0 full credits as follows:

**1. 1.0 credit from the following:**

ANTA02H3 Introduction to Anthropology: Society, Culture and Language  
 GASA01H3/HISA06H3 Introducing Global Asia and its Histories  
 GASA02H3 Introduction to Global Asia Studies  
 GGRA02H3 The Geography of Global Processes  
 HISA04H3 Themes in World History I  
 HISA05H3 Themes in World History II  
 HLTA02H3 Foundations in Health Studies I  
 HLTA03H3 Foundations in Health Studies II  
 POLA01H3 Critical Issues in Politics I  
 POLA02H3 Critical Issues in Politics II  
 SOCA01H3 Introduction to Sociology I  
 SOCA02H3 Introduction to Sociology II

**2. 0.5 credit as follows:**

SOCB60H3 Issues in Migration & Ethnic Diversity (new)

**3. 0.5 credit from the following:**

ANTB19H3 Ethnography and the Comparative Study of Human Societies  
 ANTB20H3 Culture, Politics and Globalization  
 GGRB02H3 The Logic of Geographical Thought  
 HISB03H3 Critical Writing and Research for Historians  
 HLTB15H3 Introduction to Health Research Methodology  
 SOCB05H3 Logic of Social Inquiry

**4. 0.5 credit from the following:**

SOCB53H3 Race and Ethnicity  
 GGRA35H3 The Great Scarborough Mashup: People, Place, Community, Experience  
 ANTB16H3 Canadian Cultural Identities  
 GASB53H3 Mughals and the World, 1500-1858 AD

**5. 1.0 credit from the following:**

ANTC34H3 The Anthropology of Transnationalism  
 CITC01H3 Urban Communities and Neighbourhoods Case Study: East Scarborough  
 GASC59H3 Being Tamil: Race, Culture, Nation  
 GASD01H3 Senior Seminar: Topics in Global Asian Cultures  
 GASD56H3 'Coolies' and Others: Asian Labouring Diasporas in the British Empire  
 GGRC56H3 Spaces of Travel: Unsettling Migration, Tourism, and Everyday Mobilities  
 GGRD19H3 Spaces of Multiraciality: Critical Mixed Race Theory  
 HISB14H3 Edible History: History of Global Foodways  
 HISC11H3 Multiculturalism and Cultural Identities in the Greek and Roman Worlds

HISC36H3 People in Motion: Immigrants and Migrants in U.S History  
 HISD31H3 Thinking of Diversity: Perspectives on American Pluralisms  
 HISD35H3 The Politics of American Immigration, 1865-present  
 HLTD06H3 Special Topics in Migration and Public Health  
 POLD52H3 Immigration and Canadian Political Development  
 SOCC25H3 Ethnicity, Race and Migration  
 SOCC34H3 Migrations & Transnationalisms  
 SOCC52H3 International Migration & Immigrant Incorporation  
 SOCC55H3 Special Topics in Race and Ethnicity

**6. 0.5 credit from the following:**

SOCD15H3 Advanced Seminar in Migration and Ethnicity  
 SOCD21H3 Immigrant Scarborough

Complete List of Courses\* Associated With the Program, Including Full Calendar Copy:

[\*course descriptions may not reflect minor changes submitted during the 2015-16 Curriculum Cycle]

**ANTA02H3 Introduction to Anthropology: Society, Culture and Language**

How does an anthropological perspective enable us to understand cultural difference in an interconnected world? In this course, students will learn about the key concepts of culture, society, and language. Drawing upon illustrations of family, economic, political, and religious systems from a variety of the world's cultures, this course will introduce students to the anthropological approach to studying and understanding human ways of life.

Exclusion: ANT100Y1, ANT102H1

Breadth Requirement: Social & Behavioural Sciences

**ANTB16H3 Canadian Cultural Identities**

This course explores the creation or invention of a Canadian national identity in literature, myth and symbolism, mass media, and political culture. Ethnographic accounts that consider First Nations, regional, and immigrant identities are used to complicate the dominant story of national unity.

Area course

Prerequisite: [ANTA02H3](#)

Breadth Requirement: Social & Behavioural Sciences

**ANTB19H3 Ethnography and the Comparative Study of Human Societies**

This course introduces students to the theory and practice of ethnography, the intensive study of people's lives as shaped by social relations, cultural beliefs, and historical forces. Various topics, including religion, economics, politics, and kinship introduce students to key anthropological concepts and theoretical developments in the field.

Prerequisite: ANTA02H3

Exclusion: ANT204Y1

Breadth Requirement: Social & Behavioural Sciences

**ANTB20H3 Culture, Politics, and Globalization**

This course is a further examination of approaches to the study of human cultural diversity in an interconnected world. Through ethnographic accounts and documentary films, students examine the effects of globalization through the political dimensions of culture and the global flows of technology, religion, kinship networks, migration, capital and crime.

Prerequisite: ANTA02H3

Exclusion: ANT204Y1, ANT204H1

Breadth Requirement: Social & Behavioural Sciences

**ANTC34H3 The Anthropology of Transnationalism**

This course considers dimensions of transnationalism as a mode of human sociality and site for cultural production. Topics covered include transnational labour migration and labour circuits, return migration, the transnational dissemination of electronic imagery, the emergence of transnational consumer publics, and the transnational movements of refugees, kinship networks, informal traders and religions.

Prerequisite: ANTB19H3 and ANTB20H3

Breadth Requirement: Social & Behavioural Sciences

**CITC01H3 Urban Communities and Neighbourhoods Case Study: East Scarborough**

This course engages students in a case study of some of the issues facing urban communities and neighbourhoods today. Students will develop both community-based and academic research skills by conducting research projects in co-operation with local residents and businesses, non-profit organizations, and government actors and agencies.

Prerequisite: [At least 1.5 credits at the B-level in ONE of the following: City Studies or Human Geography or Political Science or Sociology] and permission of instructor

Enrolment Limits: 30

Breadth Requirement: Social & Behavioural Sciences

**GASA01H3 Introducing Global Asia and its Histories**

This course introduces Global Asia Studies through studying historical and political perspectives on Asia. Students will learn how to critically analyze major historical texts and events to better understand important cultural, political, and social phenomena involving Asia and the world. They will engage in intensive reading and writing for humanities.

Same as HISA06H3

Exclusion: HISA06H3

Breadth Requirement: History, Philosophy & Cultural Studies

**GASA02H3 Introduction to Global Asia Studies**

This course introduces Global Asia Studies through the study of cultural and social institutions in Asia. Students will critically study important elements of culture and society over different periods of history and in different parts of Asia. They will engage in intensive reading and writing for humanities.

Breadth Requirement: Arts, Literature & Language

**GASB53H3 Mughals and the World, 1500-1858 AD**

Why does Southern Asia’s pre-colonial history matter? Using materials that illustrate the connected worlds of Central Asia, South Asia and the Indian Ocean rim, we will query conventional histories of Asia in the time of European expansion.

Same as [HISB53H3](#)

0.5 pre-1800 credit

Africa & Asia Area

Exclusion: [HISB53H3](#)

Breadth Requirement: History, Philosophy & Cultural Studies

**GASC59H3 Being Tamil: Race, Culture, Nation**

This course explores the transnational history of Tamil nationalism in the modern world. How have ideas of race and culture created modern Tamil national identity? Themes include ethnic politics, self-determination, mass-mobilization and diaspora.

Same as [HISC59H3](#)

Africa and Asia Area

Prerequisite: [[GASA01H3/HISA06H3](#) or [GASA02H3](#) or [GASB57H3/HISB57H3](#)] and 1.0 additional credit in GAS or HIS courses

Exclusion: [HISC59H3](#), (GASB54H3), (HISB54H3)

Breadth Requirement: History, Philosophy & Cultural Studies

**GASD01H3 Senior Seminar: Topics in Global Asian Cultures**

This course offers an in-depth study of important cultural issues in historical and contemporary Asian and diasporic societies. Themes for study include music, art, cinema, media, literature, drama, and representations. It is conducted in seminar format with emphasis on discussion, critical reading, and writing of research papers.

Prerequisite: [GASA01H3 and GASA02H3] and one C-level course from the options in the Specialist or Major program requirement #2

Enrolment Limits: 15

Breadth Requirement: Social & Behavioural Sciences

**GASD56H3 'Coolies' and Others: Asian Labouring Diasporas in the British Empire**

'Coolie' labourers formed an imperial diaspora linking South Asia and China to the Caribbean, Africa, the Indian Ocean, South-east Asia, and North America. The long-lasting results of this history are evident in the cultural and ethnic diversity of today's Caribbean nations and Commonwealth countries such as Great Britain and Canada.

Africa and Asia Area

Same as [HISD56H3](#)

Prerequisite: 8.0 credits, at least 2.0 of which should be at the B- or C-level in Modern History

Exclusion: [HISD56H3](#)

Breadth Requirement: History, Philosophy & Cultural Studies

**GGRA02H3 The Geography of Global Processes**

Globalization from the perspective of human geography. The course examines how the economic, social, political, and environmental changes that flow from the increasingly global scale of human activities affect spatial patterns and relationships, the character of regions and places, and the quality of life of those who live in them.

Exclusion: GGR107H1, (GGR107Y1), GGR117Y1

Breadth Requirement: Social & Behavioural Sciences

**GGRA35H3 The Great Scarborough Mashup: People, Place, Community, Experience**

Scarborough is a place of rapidly changing social geographies, and now contains one of the world's most extraordinary mixes of people. What do these changes mean, how can we understand and interpret them? This course introduces Human Geography as the study of people, place, and community through field trips, interviews, and guest lectures.

Enrolment Limits: 30; Restricted to first year undergraduate students.

Breadth Requirement: Social & Behavioural Sciences

**GGRB02H3 The Logic of Geographical Thought**

Many of today's key debates - for instance, on globalization, the environment, and cities - draw heavily from geographical thinking and what some have called the "spatial turn" in the social sciences. This course introduces the most important methodological and theoretical aspects of contemporary geographical and spatial thought, and serves as a foundation for other upper level courses in Geography.

Prerequisite: Any 4 credits

Enrolment Limits: 150

Breadth Requirement: Social & Behavioural Sciences

**GGRC56H3 Spaces of Travel: Unsettling Migration, Tourism, and Everyday Mobilities**

Cultural Politics and political economy of travel and mobilities across time and space. Covers migration and immigration, tourism and travel encounters, diaspora and displacement, religious missions and pilgrimages, study abroad and working holiday, transportation and communication technologies, and narratives of time travel. Addresses how these extraordinary and everyday mobilities and immobilities inform geographies of race, gender, sexuality, and nation.

Prerequisite: [GGRB02H3](#) or [CITB02H3](#)

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

**GGRD19H3 Spaces of Multiraciality: Critical Mixed Race Theory**

From Tiger Woods to Mariah Carey, the popular mixed race phenomenon has captured the popular imagination and revealed the contradictory logic of categorization underpinning racial divisions. We will explore the complexities of racial identity formation to illuminate the experiences of those who fall outside the prevailing definitions of racial identities.

Prerequisite: ANTB16H3 or GGRB13H3 or IDSB01H3 or SOCA01H3 or WSTA01H3

Exclusion: (GGRC19H3)

Enrolment Limits: 25

Breadth Requirement: Social & Behavioural Sciences

**HISA04H3 Themes in World History I**

An introduction to history that focuses on a particular theme in world history, which will change from year to year. Themes may include migration; empires; cultural encounters; history and film; global cities.

Breadth Requirement: History, Philosophy & Cultural Studies

**HISA05H3 Themes in World History II**

An introduction to history that focuses on a particular theme in world history, which will change from year to year. Themes may include migration; empires; cultural encounters; history and film; global cities.

Breadth Requirement: History, Philosophy & Cultural Studies

**HISA06H3 Introducing Global Asia and its Histories**

This course introduces Global Asia Studies through studying historical and political perspectives on Asia. Students will learn how to critically analyze major historical texts and events to better understand important cultural, political, and social phenomena involving Asia and the world. They will engage in intensive reading and writing for humanities.

Same as [GASA01H3](#)

Exclusion: [GASA01H3](#)

Breadth Requirement: History, Philosophy & Cultural Studies

**HISB03H3 Critical Writing and Research for Historians**

Practical training in critical writing and research in History. Through lectures, discussion and workshops, students will learn writing skills (including essay organization, argumentation, documentation and bibliographic style), an introduction to methodologies in history and basic source finding techniques.

Exclusion: (HISB01H3)

Enrolment Limits: 25

Breadth Requirement: History, Philosophy & Cultural Studies

**HISB14H3 Edible History: History of Global Foodways**

An exploration of how eating traditions around the world have been affected by economic and social changes, including imperialism, migration, the rise of a global economy, and urbanization. Topics include: immigrant cuisines, commodity exchanges, and the rise of the restaurant. Lectures will be supplemented by cooking demonstrations.

Transnational Area

Exclusion: (HISC14H3)

Breadth Requirement: History, Philosophy & Cultural Studies

**HISC11H3 Multiculturalism and Cultural Identities in the Greek and Roman Worlds**

A critical examination of multiculturalism and cultural identities in the Greek and Roman

worlds. Special attention will be dedicated to the evidences through which these issues are documented and to their fundamental influence on the formation and evolution of ancient Mediterranean societies and cultures.

Same as [CLAC24H3](#)

0.5 pre-1800 credit

Ancient World Area

Prerequisite: One full credit in Classics or History

Exclusion: [CLAC24H3](#)

Recommended Preparation: [CLAB05H3](#) & [CLAB06H3](#)

Breadth Requirement: History, Philosophy & Cultural Studies

### **HISC36H3 People in Motion: Immigrants and Migrants in U.S. History**

Overview of the waves of immigration and internal migration that have shaped America from the colonial period to the present. Topics include colonization and westward migration, immigrants in the industrial and contemporary eras, nativism, stances towards pluralism and assimilation, and how migration experiences have varied by race, class, and gender. United States and Latin America Area

Prerequisite: [HISB30H3 & HISB31H3]

Breadth Requirement: History, Philosophy & Cultural Studies

### **HISD31H3 Thinking of Diversity: Perspectives on American Pluralisms**

A seminar exploring the evolution of American thinking about diversity -- ethnic, religious, and regional -- from colonial-era defenses of religious toleration to today's multiculturalism. Participants will consider pluralist thought in relation to competing ideologies, such as nativism, and compare American pluralisms to formulations arrived at elsewhere, including Canada.

Transnational Area

Prerequisite: [HISB30H3 & HISB31H3]

Enrolment Limits: 15

Breadth Requirement: History, Philosophy & Cultural Studies

### **HISD35H3 The Politics of American Immigration, 1865-present**

A seminar that puts contemporary U.S. debates over immigration in historical context, tracing the roots of such longstanding controversies as those over immigration restriction, naturalization and citizenship, immigrant political activism, bilingual education and "English-only" movements, and assimilation and multiculturalism. Extensive reading and student presentations are required.

United States and Latin America Area

Prerequisite: HISB30H3 & HISB31H3

Enrolment Limits: 15

Breadth Requirement: History, Philosophy & Cultural Studies

### **HLTA02H3 Foundations in Health Studies I**

This is the first part of a sequence of two courses designed to introduce theory, contemporary topics, and analytical techniques related to the study of health issues. Examples of topics



include: social determinants of health, basic anatomy, introduction to child development, introduction to the life course and aging, disease, health economics and policy, and applicable research methods.

Breadth Requirement: Social & Behavioural Sciences

**HLTA03H3 Foundations in Health Studies II**

This is the second part of a sequence of two courses designed to introduce theory, contemporary topics, and analytical techniques related to the study of health issues. Examples of topics include: social determinants of health, basic anatomy, introduction to child development, introduction to the life course and aging, disease, health economics and policy, and applicable research methods.

Prerequisite: HLTA02H3

Breadth Requirement: Social & Behavioural Sciences

**HLTB15H3 Introduction to Health Research Methodology**

The objective of this course is to introduce students to the main principles that are needed to undertake health-related research. Students will be introduced to the concepts and approaches to health research, the nature of scientific inquiry, the role of empirical research, and epidemiological research designs.

Exclusion: (HLTA10H3)

Recommended Preparation: [HLTA02H3](#) and [HLTA03H3](#) and any Statistics course.

Enrolment Limits: 150; Restricted to students in health studies and health science programs (e.g. Human Biology, Mental Health Studies, Paramedicine, Computer Science - Health Informatics stream, Specialist in Management - Health Management stream, Health Studies).

Breadth Requirement: Social & Behavioural Sciences

**HLTD06H3 Special Topics in Migration and Public Health**

The focus of this seminar is on public health as an institution and on the contemporary and historical practices related to migrants in Canada and globally. Practices include surveillance, screening, detention, and quarantine, among other forms of governance and regulation. Societal issues, social theory, and historic case studies drawn from literature, film and empirical research explore enduring questions and tensions related to the treatment of migrants by public health systems.

Prerequisite: 1.5 credits at the C-level in HLT courses and a minimum CGPA of 2.5

Recommended Preparation: Courses in the social sciences (ANT, HLT< IDS< CIT<GGR, POL, SOC)

Enrolment Limits: 30

Breadth Requirement: History, Philosophy & Cultural Studies

**POLA01H3 Critical Issues in Politics I**

An introduction to crucial political issues of the day (e.g. globalization, migration, political violence, corruption, democracy, global justice, climate change, human rights, revolution, terrorism) and key concepts in Political Science. Students will be introduced to and practice techniques of critical reading and analytic essay writing. Topics will vary by semester and professor.

Exclusion: POL101Y1, POL115H1, POL112H1, POL113H1, POL114H1

Breadth Requirement: Social & Behavioural Sciences

**POLA02H3 Critical Issues in Politics II**

An introduction to crucial political issues of the day (e.g. globalization, migration, political violence, corruption, democracy, global justice, climate change, human rights, revolution, terrorism) and key concepts in Political Science. Students will develop techniques of critical reading and analytic essay writing. Topics will vary by semester and professor.

Exclusion: POL101Y1, POL115H1, POL112H1, POL113H1, POL114H1

Breadth Requirement: Social & Behavioural Sciences

**POLD52H3 Immigration and Canadian Political Development**

Immigration has played a central role in Canada's development. This course explores how policies aimed at regulating migration have both reflected and helped construct conceptions of Canadian national identity.

We will pay particular attention to the politics of immigration policy-making, focusing on the role of the state and social actors.

Prerequisite: POLB50H3 and POLB52H3

Breadth Requirement: Social & Behavioural Sciences

**SOCA01H3 Introduction to Sociology I**

An introduction to the basic concepts, principles and methods of Sociology as a discipline for the study of society. Sociology I covers theory, methods, culture, social interaction and social stratification.

Exclusion: SOC101Y1

Breadth Requirement: Social & Behavioural Sciences

**SOCA02H3 Introduction to Sociology II**

Sociology II applies the ideas from Sociology I to social institutions and processes. Topics covered include race and ethnicity, gender, urbanisation, globalisation, population and deviant behaviour.

Prerequisite: SOCA01H3

Exclusion: SOC101Y1

Breadth Requirement: Social & Behavioural Sciences

**SOCB05H3 Logic of Social Inquiry**

This course introduces the logic of sociological research and surveys the major quantitative and qualitative methodologies. Students learn to evaluate the validity of research findings, develop research questions and select appropriate research designs.

Prerequisite: [SOCA01H3](#) and [SOCA02H3](#) and enrolment in a Sociology program

Exclusion: SOC200H, SOC200Y, (SOCB40H3), (SOCB41H3)

Enrolment Limits: 170

Breadth Requirement: Quantitative Reasoning

**SOCB60H3 Issues in Migration & Ethnic Diversity (NEW)**

The course examines the cultural, demographic, and political causes and consequences of migration; laws and government policies shaping migration and refugee flows; demographic, social, cultural, and legal dimensions of migration; and issues of integration and ethnic diversity from historical and contemporary perspectives.

Prerequisite: Any 1.0 credits completed from the following courses (SOCA01H3, SOCA02H3, ANTA02H3, GGRA02H3, GASA01H3/HISA06H3, GASA02H3, HISA04H3, HISA05H3)

Breadth Requirement: Social & Behavioural Sciences

Note: Priority will be given to students enrolled in the Minor in Migration & Ethnic Diversity.

Additional students will be admitted as space permits.

**SOCB53H3 Race and Ethnicity**

The course draws on a geographically varied set of case studies to consider both the historical development and contemporary state of the sociological field of race, racialization and ethnic relations.

Prerequisite: SOCA01H3 and SOCA02H3

Exclusion: SOC210Y

Enrolment Limits: 170

Breadth Requirement: Social & Behavioural Sciences

**SOCC25H3 Ethnicity, Race and Migration**

A theoretical and empirical examination of ethnic identity formation, race and racism, and their relationship to international migration.

Prerequisite: [SOCA01H3 and SOCA02H3] and [SOCB05H3 or [(SOCB40H3) and (SOCB41H3)]] and [1.0 credit from the following: (SOCB27H3), SOCB30H3, SOCB42H3, SOCB43H3, SOCB47H3]

Recommended Preparation: SOCB22H3 or SOCB49H3

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

**SOCC34H3 Migrations & Transnationalisms**

Examines the relationship between contemporary modes of international migration and the formation of transnational social relations and social formations. Considers the impact of transnationalisms on families, communities, nation-states, etc.

Prerequisite: SOCA01H3 & SOCA02H3 & [SOCB05H3 or [(SOCB40H3) & (SOCB41H3)]] & [(SOCB42H3 & SOCB43H3) or IDSB01H3]

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

**SOCC52H3 International Migration & and Immigrant Incorporation**

The course provides an overview of competing theories and concepts in the field of international migration and immigrant incorporation. Discussion puts the Canadian case in comparative perspective. Topics include global migration flows, refugeeship, citizenship and non-citizenship, economic incorporation, children of immigrants, and social exclusion.

Prerequisite: SOCA01H3 & SOCA02H3 & [SOCB05H3 or [(SOCB40H3) & (SOCB41H3)]]

& SOCB42H3 & SOCB43H3

Exclusion: (SOCB52H3) and SOC210Y

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

**SOCC55H3 Special Topics in Race and Ethnicity**

This course centers the experiences of youth within the study of migration, immigration incorporation, and racial and ethnic identity formation. Topics covered will include: contributions of immigration and minority youth to activism, social media, popular and underground cultures; non-citizenship and youth subjectivities; age-related issues in the labour market; and intergenerational family and community dynamics.

Prerequisite: SOCA01H3 and SOCA02H3 and SOCB05H3 and SOCB42H3 and SOCB43H3

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

**SOCD15H3 Advanced Seminar in Migration and Ethnicity**

This course offers an in-depth examination of selected topics in Migration and Ethnicity. Check the department website for details at: [www.utsct.utoronto.ca/sociology/programs](http://www.utsct.utoronto.ca/sociology/programs)

Prerequisite: SOCA01H3 and SOCA02H3 and SOCB05H3 and 1.0 of the following: [SOCB42H3, SOCB43H3, (SOCB27H3), SOCB30H3, SOCB47H3]

Breadth Requirement: Social and Behavioural

Enrolment Limit: 20

NOTE: Priority will be given to students enrolled in the specialist and major programs in Sociology. Additional students will be admitted as space permits.

**SOCD21H3 Immigrant Scarborough**

This course will teach students how to conduct in-depth, community-based research on the social, political, cultural and economic lives of immigrants. Students will learn how to conduct qualitative research including participant observation, semi-structured interviews and focus groups. Students will also gain valuable experience linking hands-on research to theoretical debates about migration, transnationalism and multicultural communities.

Prerequisite: SOCA01H3 and SOCA02H3 and SOCB05H3 and [SOCC23H3 or SOCC31H3]

Enrolment Limits: 30

Breadth Requirement: Social & Behavioural Sciences

## 6 Program Structure, Learning Outcomes, and Degree Level Expectations

<p><b>Degree Level Expectations</b></p>	<p><b>Program Learning Outcomes – e.g. what students will know or be able to do at the completion of the program</b></p> <p>[Clearly describe how the Program Learning Outcomes will support the degree level expectations]</p>	<p><b>How the program design / structure supports the degree level expectations</b></p> <p>[Clearly describe how the program design/structure will support the degree level expectations]</p>
<p><b>1. Depth and Breadth of Knowledge</b></p> <p>Depth of Knowledge: is attained through a progression of introductory, core and specialized courses. Specialized courses will normally be at the C and D levels.</p> <p>Breadth of Knowledge: students will gain an appreciation of the variety of modes of thinking, methods of inquiry and analysis, and ways of understanding the world that underpin different intellectual fields.</p>	<p>Depth and breadth of knowledge is understood in the Minor in Migration and Ethnic Diversity as a comprehensive, hands-on understanding of the full range of methodological and theoretical tools used by researchers and practitioners in migration and ethnic diversity.</p> <p>This is reflected in students who are able to: identify, define, and describe complex social issues in the migration and ethnic diversity area of study; construct and execute original research pathways that address these issues; and understand, evaluate, and develop a stance for her/himself within major academic and public policy debates about migration and ethnic diversity.</p>	<p>The program design and requirement elements that ensure these student outcomes for depth and breadth of knowledge are:</p> <p>Requirement 1 ensures that students will have a foundation in social science theory and methods.</p> <p>Requirement 2 ensures two outcomes:</p> <ol style="list-style-type: none"> <li>1. The Introductory course, SOCB60H3 Issues in Migration &amp; Ethnic Diversity, which includes a mandatory tutorial section (held in the Cities Lab) ensures students learn key conceptual debates and empirical trends to successfully advance in the minor program. Guest lectures by affiliated faculty will ensure that meet and learn from all migration and ethnic diversity faculty affiliates at least once through the duration of the semester-long course.</li> <li>2. Second: ANTB19H3, ANTB20H3, GGRB02H3, HISB03H3, HLTB15H3, and SOCB05H3 are all social science methods courses which will ensure exposure to a range of positivist and interpretivist research methods within the social sciences.</li> <li>3. Requirement 3 ensures that students gain additional hands-on experience through C-level courses cross-listed in migration and ethnic diversity. These courses emphasize the management and manipulation of qualitative and quantitative data sets while providing</li> </ol>

		<p>students with sustained exposure to key topics in migration and ethnic diversity.</p> <p>4. Requirement 2 and 6 ensure that students complete either a community partnership based or primary research based research project that showcases the theoretical and methodological understanding they have gained through the minor.</p>
<p><b>2. Knowledge of Methodologies</b></p> <p>Students have a working knowledge of different methodologies and approaches relevant to their area of study. They are able to evaluate the efficacy of different methodologies in addressing questions that arise in their area of study.</p>	<p>The program is designed to deliver concrete training and experience in research and data analysis through quantitative and qualitative methodologies.</p>	<p>SOCB60H3 Issues in Migration &amp; Ethnic Diversity and the D-level research capstone course SOCD15H3 Advanced Seminar in Migration and Ethnicity, are new courses that focus on experiential learning and lab assignments that center social scientific research design and both qualitative and quantitative methods.</p> <p>Already-existing courses offer students two core methodological experiences: 1) accessing, manipulating, and analyzing publically available data sets; 2) instructor-led opportunities to conduct their own original data collection.</p>
<p><b>3. Application of Knowledge</b></p> <p>Students are able to frame relevant questions for further inquiry. They are familiar with, or will be able to seek the tools with which, they can address such questions effectively.</p>	<p>The program’s emphasis on data-driven approaches to migration and ethnic diversity means that students are taught to frame their scholarly inquiries such that they can be answered using a suite of social scientific methodologies and theoretical frameworks.</p>	<p>As seen in the course listings and requirements, our curriculum unites various cognate disciplines through shared theoretical traditions/related topic areas. We make links across local, global, and transnational frameworks in content and methodological training. The sequence of courses is such that students encounter increasingly challenging material and methodologies, culminating in significant, sustained research at the D-level.</p>
<p><b>4. Awareness of Limits of Knowledge</b></p> <p>Students gain an understanding of the limits of their own knowledge and an appreciation of the uncertainty, ambiguity, and limits to our collective knowledge and how these might influence analyses and interpretations.</p>	<p>Courses at each level of the program include instruction on the limits of knowledge, challenges for the application of scholarly knowledge to the “real world” of migration and ethnic diversity policy, and issues of ambiguity, ethics, and best practices.</p>	<p>In their B-, C-, and D- level courses, instructors will equip and encourage students to develop a critical lens through which they can assess data sets, theoretical traditions, and various social scientific methodologies.</p>
<p><b>5. Communication Skills</b></p> <p>Students are able to communicate information, arguments, and analyses</p>	<p>In line with existing Department of Sociology strengths in developing students’ writing skills, the Minor in Migration and Ethnic Diversity builds on</p>	<p>A core value of this program is in instructors’ shared commitment to incorporate assignments that emphasize archiving and public presentation to collect and disseminate written, visual, audio, and digital student work. Reading and listening</p>

<p>accurately and reliably, both orally and in writing. They learn to read and to listen critically.</p>	<p>this core value by expanding students' writing into dynamic, digital space and developing crucial oral and visual communication skills.</p>	<p>skills will be developed in the courses listed in Requirement 1; Research and writing skills will be added through Requirement 2; and students' digital, oral, and visual communication skills are especially developed through Requirements 3 and 4.</p>
<p><b>6. Autonomy and Professional Capacity</b></p> <p>The education students receive achieves the following broad goals:</p> <ul style="list-style-type: none"> <li>• It gives students the skills and knowledge they need to become informed, independent and creative thinkers</li> <li>• It instils the awareness that knowledge and its applications are influenced by, and contribute to, society</li> <li>• It lays the foundation for learning as a life-long endeavour</li> </ul>	<p>Students will learn how to develop cogent, answerable research questions that address pressing social needs. They will acquire the skills necessary to manage data sets, methods for collecting and interpreting data, and a variety of techniques for presenting their findings.</p>	<p>The Minor program is defined by close contact with instructors and peers at the B- and C- levels to equip students toward progressively more autonomous and independent experiences facilitated at the D-level. Through this process, students will graduate with a comparative advantage in the labour and graduate school market due to 1) concrete training and experience in research and data analysis; 2) breadth and depth of knowledge of migration and ethnic diversity grounded in material, societal conditions; and 3) the ability, experience, and desire to carry out autonomous, self-sustained work.</p>

## 7 Assessment of Teaching and Learning

<ul style="list-style-type: none"> <li>• B-level courses are defined by the pedagogical use of small-group tutorials. Mid-semester and final exams are composed of multiple choice and short answer questions, and each B-level course also includes a short written assignment that gives students hands-on training in writing a “policy report.”</li> <li>• C-level courses are defined by the pedagogical use of large-scale qualitative and quantitative data sets drawn from a cross-section of sources (campus, local, provincial, national, international). Each C-level course requires students to complete autonomous research and writing and to complete an oral communication component (e.g., in-class debates, podcasts, etc.).</li> <li>• D-level courses are defined by the pedagogical use of intensive group work, which culminates in a “capstone” outcome (e.g., deliverables like online “ethnographic maps” of Scarborough with clickable audio and visual reporting; a full-scale migration and ethnic diversity research symposium at UTSC).</li> </ul>
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## 8 Consultation

Consultation with the Dean and Vice-Dean Academic has been ongoing during the 2013-14 and 2014-15 academic years. The following consultation appointments have been completed with faculty affiliates at UTSC: Anthropology (Cummings, Daswani), Health Studies (Bisaillon), Global Asia Studies (Sharma), Historical and Cultural Studies (Kale, Kazal, Raman), and Human Geography (Buckley, Mahtani), Political Science (Triadafilopoulos). At St. George consultation appointments have been completed with Professors Jeff Reitz and Monica Boyd (Sociology).

Consultation with faculty in Sociology, History, Human Geography and City Studies confirms substantial interest in the creation of the proposed Minor. Faculty want to incorporate shared migration and ethnic diversity designed teaching modules into their classroom and are enthusiastic about adjusting their teaching plans in the short and long term to build the minor.

Social science department chairs at UTSC have received notice and a copy of the proposal. Their feedback on specific courses has been received and incorporated into the proposal.

Sociology chairs at St. George and UTM have received notice of our plans and a copy of the proposal.

### Impacts

The suggestion to consult with Geography specifically does not seem appropriate. There is very little substantive overlap in the courses and migration is currently not an area of concentration in the department of geography.

The proposed Minor draws principally from already-existing faculty complement, course offerings, and campus strengths, infusing them with new focus, intention, and momentum. As such we only see positive impacts on existing programs and departments.

## 9 Resources

### 9.1 Faculty requirements

Three types of resource demands are envisioned as requirements for the program to be successful: teaching capacity, teaching assistant capacity, community engagement and outreach demand.

The primary role in delivering the core courses in the proposed program will be carried out by three Sociology faculty, two who are permanent tenure or tenure-stream, and a new tenure-stream faculty member slated to join department in 2015-16 (search ongoing). With 3 faculty retirements expected in the next 3-5 years within the Department of Sociology, we envision at least one new tenure-stream position tied to this Minor. Program delivery is expanded through



cross-listed contributions from faculty affiliates in cognate fields.

TA support will be required for the tutorials in our B-level Introduction to Migration & Ethnic Diversity course (SOCB60H3); these requirements will be within departmental norms. It is expected that student numbers will increase gradually. The goal is to have 150 program students by 2020.

The expectation is that the TA budget will increase with enrolments in the home department for the program, Sociology. Shortfalls for specific courses may require an OTO budget request. The number of courses offered for the program, which impacts TA resource demand, will also take into account TA resource capacity.

The community partnerships component of the program will require designated staff support. The program will need to work with the UTSC community engagement officer to build sustainable community partnerships. In future, to build and manage partnerships a shared department staff person may be required. This will be written into the 2014-15 academic plan and is not required to mount the program at this time.

**Table 2: Detailed List of Committed Faculty**

<b>Faculty name and rank</b>	<b>Home unit</b>	<b>Area(s) of Specialization</b>
Patricia Landolt, Associate Professor	Sociology	Migration, Social Inequality, Work, Non-citizenship
Jennifer Chun, Associate Professor	Sociology	Migration, Labour, Political Sociology
Gabaccia, Donna, Professor	Historical and Cultural Studies	Gender, Migration
Madhavi Kale, Associate Professor	Historical and Cultural Studies	Gender, Migration, Labour
Russell Kazal, Associate Professor	Historical and Cultural Studies	Migration, Race/Ethnicity, Nationalism
Jayeeta Sharma, Assistant Professor	Historical and Cultural Studies	Migration, Labour, Food
Phil Triaphilodopolous, Associate Professor	Political Science	Migration, Citizenship, Nationalism, Policy
Minelle Mahtani, Associate Professor	Human Geography	Race/Ethnicity, Critical Mixed Race Studies, Media
Michelle Buckley, Assistant Professor	Human Geography	Urbanization, Migration, Labour
Laura Bisailon, Assistant Professor	Anthropology/Health Studies	Public Health, Migration, Socio-legal Studies
Maggie Cummings, Lecturer	Anthropology/Health Studies	Gender, Transnationalism, Identity

Faculty name and rank	Home unit	Area(s) of Specialization
Girish Daswani, Associate Professor	Anthropology/Health Studies	Religion, Migration, Diaspora
Susannah Bunce, Assistant Professor	Geography / City Studies	Urban Planning, Community-based Planning

## 9.2 Space/Infrastructure

None. The Cities Lab will be used D-level courses.

## 10 Governance Process

Levels of Approval Required	Dates
Departmental Curriculum Committee	June 25, 2014
Decanal Sign-Off	January 13, 2015
DUCC (Undergraduate)	January 23, 2015
UTSC Academic Affairs Committee	
Submission to Provost's Office	
Report to AP&P	
Report to Ontario Quality Council	



OFFICE OF THE CAMPUS COUNCIL

**FOR APPROVAL**

**PUBLIC**

**OPEN SESSION**

**TO:** UTSC Academic Affairs Committee

**SPONSOR:** Dean and Vice-Principal (Academic), Rick Halpern

**CONTACT INFO:** 416-208-7027, vpdean@utsc.utoronto.ca

**PRESENTER:** Vice-Dean, Undergraduate, Mark Schmuckler

**CONTACT INFO:** 416-208-2978, vicedean@utsc.utoronto.ca

**DATE:** Tuesday, February 10, 2015

**AGENDA ITEM:** 3 (c)

**ITEM IDENTIFICATION:**

Major Modification B introducing a freestanding Minor in Culture, Creativity, and Cities

**JURISDICTIONAL INFORMATION:**

University of Toronto Scarborough Academic Affairs Committee (AAC) “is concerned with matters affecting the teaching, learning and research functions of the Campus (AAC *Terms of Reference, Section 4*.)” Under section 5.6 of its terms of reference, the Committee is responsible for approval of “Major and minor modifications to existing degree programs.” The AAC has responsibility for the approval of Major and Minor modifications to existing programs as defined by the University of Toronto Quality Assurance Process. (*UTQAP, Section 3.1*)

**GOVERNANCE PATH:**

1. **UTSC Academic Affairs Committee [For Approval] (February 10, 2015)**

**PREVIOUS ACTION TAKEN:**

No previous action in governance has been taken on this item.

**HIGHLIGHTS:**

The Department of Sociology is proposing to introduce a new freestanding Minor program in Culture, Creativity, and Cities.

This Minor will provide leading-edge curriculum and skills-based training in an in-demand and high-growth area of social science inquiry. Although there is significant

*Freestanding Minor in Culture, Creativity and Cities – for approval*

student interest and faculty capacity, there are currently no other undergraduate programs in the area of culture, creativities and cities at UTSC.

With the cultural economy expanding, and an increased focus on the arts and arts participation, cities and communities are changing. Social relations, careers, personal identities, residential compositions, and local politics are being transformed. The proposed Minor will provide excellent educational opportunities for students to understand the structure and possibilities of the cities in which they will live, work, and take up leadership positions.

This Minor has three primary distinguishing characteristics: first, it will provide students with concrete, skills-based training in locating and analysing data across multiple levels of collection; second, it connects urban cultural topics to sociological theory and methods; and third, it will provide off-campus experiential opportunities for students to leverage their skills in critical local and global contexts.

Upon completion of the Minor, students will possess a comparative advantage in the labour market from training in research design, transferable skills in the manipulation and analysis of quantitative and qualitative data, and fluency in scholarly and policy innovations. It is expected the program will be popular among students in Sociology, Human Geography, and Arts Management, with enrolment also expected from students in Anthropology, Critical Development Studies, Historical & Cultural Studies, and Management.

The proposed Minor draws principally from already-existing faculty complement, course offerings, and campus strengths, infusing them with new focus, intention, and momentum.

There is one new course associated with this program – SOCD51H3 Capstone Seminar in Culture, Creativity and Cities.

This proposal has been approved by the Sociology Departmental Curriculum Committee. It has been reviewed by the Dean's Office, the Decanal Undergraduate Curriculum Committee and the Provost's Office.

**FINANCIAL IMPLICATIONS:**

Any new/additional financial obligations resulting from this proposal will be met by the Department of Sociology and the Office of the Dean. There are no net financial implications for the campus operating budget.

*Freestanding Minor in Culture, Creativity and Cities – for approval*

**RECOMMENDATION:**

Be It Resolved,

THAT the proposed freestanding Minor in Culture, Creativity, and Cities, as described in the package dated January 13, 2015 and recommended by the Dean and Vice-Principal (Academic), Professor Rick Halpern, be approved to be effective April 1, 2015 for the academic year 2015-16.

**DOCUMENTATION PROVIDED:**

1. Major Modification Type B: freestanding Minor in Culture, Creativity, and Cities, dated January 13, 2015.



## University of Toronto Major Modification Proposal – Type B: New Freestanding Minor where there is no Existing Specialist or Major

<b>What is being proposed:</b>	New Freestanding Minor program in Culture, Creativity, and Cities
<b>Department / Unit where the program will be housed:</b>	Department of Sociology
<b>Faculty / Academic Division:</b>	University of Toronto Scarborough
<b>Faculty / Academic Division Contact:</b>	Annette Knott, Academic Programs Officer aknott@utsc.utoronto.ca
<b>Department/Unit Contact:</b>	Patricia Landolt - <a href="mailto:landolt@utsc.utoronto.ca">landolt@utsc.utoronto.ca</a> Janet Roopnarinesingh – janetr@utsc.utoronto.ca
<b>Start date of the program:</b>	April 1, 2015
<b>Date of this version of the proposal:</b>	January 13, 2015

## 1 Executive Summary

This is a proposal to introduce a new freestanding Minor program in Culture, Creativity, and Cities, which will provide leading-edge curriculum and skills-based training in an in-demand and high-growth area of social science inquiry. Although there is significant student interest and faculty capacity, there are currently no other undergraduate programs in the area of culture, creativities and cities at UTSC.

With the cultural economy expanding, and an increased focus on the arts and arts participation, cities and communities are changing. Social relations, careers, personal identities, residential compositions, and local politics are being transformed. How, and with what consequences, are scholars and policy-makers worldwide addressing critical questions across disciplines and policy domains? New paradigms are needed and existing theory, methods, and data need to be critically extended. The proposed Minor will provide excellent educational opportunities for students to understand the structure and possibilities of the cities in which they will live, work, and take up leadership positions.

The proposed program reflects a new direction in the academic plan of the Department of Sociology UTSC. The department seeks to complement existing strength in the discipline with interdisciplinary programs that focus on two distinguishing characteristics: first, a data-driven approach that will train students to locate, analyze, interpret and produce qualitative and quantitative data; and second, significant experiential learning opportunities for students to leverage their skills in “real world” local and global contexts.

The proposed Minor has three primary distinguishing characteristics: first, it will provide students with concrete, skills-based training in locating and analysing data across multiple levels of collection; second, it connects urban cultural topics to sociological theory and methods; and third, it will provide off-campus experiential opportunities for students to leverage their skills in critical local and global contexts.

Upon completion of the proposed Minor, students will possess a comparative advantage in the labour market from training in research design, transferable skills in the manipulation and analysis of quantitative and qualitative data, and fluency in scholarly and policy innovations. It is expected the program will be popular among students in Sociology, Human Geography, and Arts Management, with enrolment also expected from students in Anthropology, Critical Development Studies, Historical & Cultural Studies, and Management.

The proposed Minor draws principally from already-existing faculty complement, course offerings, and campus strengths, infusing them with new focus, intention, and momentum.

There is one new course associated with this program – SOCD51H3 Capstone Seminar in Culture, Creativity and Cities.

## 2 Program Rationale

This is a proposal to introduce a new freestanding Minor program in Culture, Creativity, and Cities.

The proposed program resonates with societal interest and concerns, as reflected in media coverage and political agendas in Canada, Europe and globally. The program is at the forefront of a university wide effort to re-imagine undergraduate education by offering students opportunities for experiential learning in interdisciplinary fields that have resonance with current and projected social and labour market trends. The program is consistent with, and extends, the sociology department's academic priorities.

### Societal Context

As urban economies are increasingly driven by the “creative” sector, new questions across allied disciplines in the social sciences are emerging – particularly related to their reliance on contingent labour, the blurring of work/home life, and insecure career trajectories. Likewise, the rise of the urban cultural economy raises questions about the use and meaning of urban space, including revitalization projects, long-term visions of city life, and the potential for displacements to occur in the construction of mixed-use spaces that attract and serve workers in these industries. Finally, with increasing funding and initiatives from the state, non-profit NGOs, and for-profit business ventures, scholars across multiple disciplines are taking a renewed interest in the area of culture, creativity and cities. Along all three of these research streams, the proposed Minor creates an interdisciplinary space in which students can focus on cutting edge social scientific theory building, data creation, and data analysis.

Cities and Culture have been core areas of sociological research since the discipline was established over a century ago in its urban and North American context, although they have rarely been studied together explicitly. Creativity has been a disciplinary blind spot, although recent theorizing suggests attention to creativity transforms our conceptions of basic social concepts, including culture and cities. Few academic offerings for undergraduates harness these new ideas in examining the vast and largely untapped cultural data about cities available worldwide.

The proposed Minor is designed to ground theory, writing, and data analyses in the surrounding environment by using the city of Toronto as a “research lab” to investigate these questions. The capstone course, SOCD51H3 Special Topics: Culture, Creativity and Cities, which is a hands on collective effort in “experiential learning” on rotating thematic topics centred on research and dissemination, is designed to connect students with practitioners, and to foster relationships between students and stakeholders in Scarborough and the downtown Core. Furthermore, the proposed Minor will prepare students to think analytically about the labour markets many of them aim to enter. This is an area many of our students have interest in, and the topics they are studying will have a direct impact on their careers.



University Strategic Priorities

The proposed Minor draws on existing resources and re-imagines the undergraduate curriculum in ways that resonate with President Gertler's three priorities: leveraging our location more fully, strengthening our international partnerships, and reinventing undergraduate education. It will also build community engagement and partnerships in and around Scarborough for both in- and out-of-classroom engagement.

The program provides a clearly defined analytical and curricular framework, which gives added purpose to existing scholarly and curricular strength and will generate interdisciplinary collaboration within the existing faculty complement. It will channel students into a growing field with direct labour market application, and will build, and enable students to transfer, competencies and skills developed in the program to local, national, and global job opportunities.

Finally, the proposed Minor program will help prepare students for entry into graduate school and the labour market by focusing on strategic pedagogical development in writing-intensive and research-intensive skills, a core focus in the Department of Sociology.

Department Norm

The Minor fits within and enriches Department of Sociology norms. Department curriculum focuses on strategic pedagogical development in writing-intensive and research-intensive skills. The former is realized through a focus on writing skills development in B-level tutorials and a suite of C-level electives designated "writing intensive". The latter is realized through a course sequence (B05, C23, C31, D50) that takes students from an introduction to the logic of social inquiry, to research exposure, to applications of quantitative and qualitative research methods, and culminating in hands on experience conducting independent research. The proposed Minor follows and extends this focus on methods, research exposure in multiple methods and hands-on research experience.

Distinctiveness

The proposed Minor is distinctive because of its innovative use of hybrid lecture/experiential-based courses. Lectures will deliver core academic content, and instructors will draw from a wide swath of resources to expose students to the full range of knowledge production around Culture, Creativity and Cities. These resources include scholarly articles, journalistic writing, policy briefs, audio and video documentary, and social media. Instructor-led experiences will allow students to develop hands-on skills in data-driven research, internal/external communication, team facilitation, and community partnerships. Instructors will teach students to locate, analyze, and interpret qualitative and quantitative data produced by a variety of actors in academia, government, industry, and NGOs in the wider Toronto community.

The proposed Minor places UTSC on the cutting edge of undergraduate curricular initiatives in Canada and internationally. International examples of similar programs include the Minor

program in Creative Work at the University of Houston's Honors College, and degrees on Cultural Industries, Creativity and Urban Space at U.K. institutions such as Goldsmith's, King's College, City University London, and University of Glasgow.

### 3 Need and Demand

#### Direct application to the labour market and post-graduate study

Students need hand-on experience in locating, accessing, and analyzing the wealth of social data that exists on the cultural dimensions of cities and the urban dimensions of culture because the pursuit of creativity and cultural meaning, and the locations that sustain them, are increasingly salient to businesses, governments, and policy-makers. In addition, the careers our students most actively seek (in technology, governance, media, and education) also require fluency in mixed-methods research design and practices. The proposed Minor will fulfill these strategic needs. Our proposal also attends to another major area of feedback from students: an appreciation for, and continued desire to gain, conceptual and empirical skills that port over to the labour market. Thus, the learning assessments and exercises incorporated throughout the Minor are designed specifically to expand students' empirical, research, analytical, and professional skills.

#### An innovative Minor in its institutional context

There is a strategic opportunity for UTSC to fill the knowledge and skills gap on issues of Culture and Cities. No comparable offering exists at any other Ontario university. York University has a research centre working on these issues but not a program. No other department across the University of Toronto tri-campus system offers a Minor like the one being proposed.

Given this gap in local programs, the proposed Minor places UTSC on the cutting edge of undergraduate curricular initiatives in Canada and internationally. International examples of similar programs include the Minor program in Creative Work at the University of Houston's Honors College, and degrees on Cultural Industries, Creativity and Urban Space at U.K. institutions such as Goldsmith's, King's College, City University London, and University of Glasgow.

#### Student Demand

We have triangulated existing data to confirm interest in an interdisciplinary minor in the field and designed with pathways to both the labour market and further education, post-graduation. The evidence is as follows: There are currently five thematically relevant courses in Sociology, which in total have an average yearly enrolment of 60. Further, the 2013 Sociology Self-Study and Program Review indicates that urban experience, cultural consumption, and creative work are core concerns of our students. A survey conducted by the Sociology Departmental Student Association (DSA) found that fifty-percent of respondents wanted more opportunities for professional development on and off campus. The proposal to create a Minor responds in part to this demand from students.

**Table 1: Undergraduate Enrolment Projections**

*Please note when the program expects to reach steady state*

Level of study	Academic year 2015-16	Academic year 2016-17	Academic year 2017-18	Academic year 2018-19	Academic year 2019-20
1 <sup>st</sup> year					
2 <sup>nd</sup> year	20	30	40	50	60
3 <sup>rd</sup> year		20	30	40	50
4 <sup>th</sup> year			20	30	40
<b>Total enrolment</b>	20	50	90	120	150

## 4 Admission / Eligibility Requirements

None

## 5 Program Requirements

Complete Program Description and Proposed Calendar copy:

**Minor Program in Culture, Creativity and Cities (Arts)**  
*Program Advisor:* Janet Roopnarinesingh [janetr@utsc.utoronto.ca](mailto:janetr@utsc.utoronto.ca)

The Minor program in Culture, Creativity and Cities offers students an in-depth understanding of the relationship between culture and cities. The Minor is interdisciplinary in content and method. Through experiential learning, students will develop a suite of transferable skills in written, oral, and digital communication. Paired with a discipline-specific Major, graduates of the program will have a comparative advantage in the labour market and graduate school market due to concrete training and experience in research and data analysis.

**Program Requirements**  
 This program requires the completion of 4.0 credits as follows:

**1. 0.5 credit from the following:**  
 ANTA02H3 Introduction to Anthropology: Society, Culture and Language  
 GGRA02H3 The Geography of Global Processes

MDSA01H3 Introduction to Media Studies  
 MGTA01H3 Introduction to Management I  
 MGTA02H3 Introduction to Management II  
 SOCA01H3 Introduction to Sociology I  
 SOCA02H3 Introduction to Sociology II  
 VPAA10H3 Introduction to Arts Management

**2. 0.5 credit in B-level Sociology courses:**

SOCB58H3 Sociology of Culture

**3. 1.0 credit from the following:**

CITB02H3 Foundations of City Studies  
 ENGB37H3 Selling Pleasure: Popular Literature and Mass Culture  
 GGRB05H3 Urban Geography  
 GGRB55H3 Cultural Geography  
 MDSB03H3 Advertising and Consumer Culture  
 SOCB44H3 Sociology of Cities and Urban Life  
 VPAB05H3 Introduction to Contemporary Cultural Theory

**4. 0.5 credit in C-level Sociology courses:**

SOCC26H3 Sociology of Urban Cultural Policies

**5. 1.0 credit from the following:**

ENGC59H3 Geography and Regionalism in Literature  
 ENGC83H3 Studies in World Cinema  
 GGRC13H3 Urban Political Geography  
 SOCC27H3 Sociology of Suburbs and Suburbanization  
 SOCC44H3 Media and Society  
 VPAC15H3 Cultural Policy

**6. 0.5 credit in D-level Sociology courses:**

SOCD51H3 Capstone Seminar in Culture, Creativity and Cities

Complete List of Courses Associated With the Program, Including Full Calendar Copy:

**ANTA02H3 Introduction to Anthropology: Society, Culture and Language**

How does an anthropological perspective enable us to understand cultural difference in an interconnected world? In this course, students will learn about the key concepts of culture, society, and language. Drawing upon illustrations of family, economic, political, and religious systems from a variety of the world's cultures, this course will introduce students to the anthropological approach to studying and understanding human ways of life.

Exclusion: ANT100Y1, ANT102H1

Breadth Requirement: Social & Behavioural Sciences

**CITB02H3 Foundations of City Studies**

A review of the major characteristics and interpretations of cities, urban processes and urban change as a foundation for the Program in City Studies. Ideas from disciplines including Anthropology, Economics, Geography, Planning, Political Science and Sociology, are examined as ways of understanding cities. Prerequisite: Any 4.0 credits.

Breadth Requirement: Social & Behavioural Sciences

**ENGB37H3 Selling Pleasure: Popular Literature and Mass Culture**

This course considers the creation, marketing, and consumption of popular film and fiction. Genres studied might include bestsellers; detective fiction; mysteries, romance, and horror; fantasy and science fiction; "chick lit"; popular song; pulp fiction and fanzines.

Breadth Requirement: Arts, Literature & Language

**ENGC59H3 Geography and Regionalism in Literature**

Analysis of space and place in literature. This course studies representations of space in literature - whether geographical, regional, or topographical - that offer conceptual alternatives to the nation, state, or tribe. Geographical or regional focus may change depending on instructor. Prerequisite: ENGB03H3 & ENGB04H3 & [one of ENGB05H3 or (ENGB01H3) or (ENGB02H3)]

Enrolment Limits: 45

Breadth Requirement: Arts, Literature & Language

**ENGC83H3 Studies in World Cinema**

A study of Western films. This course analyzes a selection of African, Asian, and Middle Eastern films both on their own terms and against the backdrop of issues of colonialism and globalization.

Prerequisite: ENGB03H3 & ENGB04H3 & [one of ENGB05H3 or (ENGB01H3) or (ENGB02H3)]

Enrolment Limits: 45

Breadth Requirement: Arts, Literature & Language

**GGRA02H3 The Geography of Global Processes**

Globalization from the perspective of human geography. The course examines how the economic, social, political, and environmental changes that flow from the increasingly global scale of human activities affect spatial patterns and relationships, the character of regions and places, and the quality of life of those who live in them.

Exclusion: GGR107H, (GGR107Y), GGR117Y

Breadth Requirement: Social & Behavioural Sciences

**GGRB05H3 Urban Geography**

This course will develop understanding of the geographic nature of urban systems and the internal spatial patterns and activities in cities. Emphasis is placed on the North American experience with some examples from other regions of the world. The course will explore the major issues and problems facing contemporary urban society and the ways they are analyzed. Prerequisite: Any 4 credits Exclusion: GGR124H1 (GGR124Y1)

Enrolment Limits: 150

Breadth Requirement: Social & Behavioural Sciences

### **GGRB55H3 Cultural Geography**

The course introduces core concepts in cultural geography such as race and ethnicity, identity and difference, public and private, landscape and environment, faith and community, language and tradition, and mobilities and social change. Emphasis will be on cross-disciplinary, critical engagement with current events, pop culture, and visual texts including comics, photos, and maps. Prerequisite: Any 4.0 credits Enrolment Limits: 150

Breadth Requirement: Social & Behavioural Sciences

### **GGRC13H3 Urban Political Geography**

Geographical approach to the politics of contemporary cities with emphasis on theories and structures of urban political processes and practices. Includes nature of local government, political powers of the property industry, big business and community organizations and how these shape the geography of cities.

Prerequisite: [GGRB02H3 and GGRB05H3] or [CITB01H3 and CITB02H3] or POLC66H3

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

### **MDSA01H3 Introduction to Media Studies**

Introduces students to key terms and concepts in media studies and provides an overview of theoretical and critical understandings of media. Students develop their understanding of the political, economic, social and cultural contexts in which mediated images and texts are produced, distributed, and consumed.

Exclusion: (NMEA20H3)

Breadth Requirement: History, Philosophy & Cultural Studies

### **MDSB03H3 Advertising and Consumer Culture**

This course introduces students to the study of advertising as social communication and provides a historical perspective on advertising's role in the emergence and perpetuation of "consumer culture". The course examines the strategies employed to promote the circulation of goods as well as the impact of advertising on the creation of new habits and expectations in everyday life.

Corequisite: MDSA01H3

Breadth Requirement: History, Philosophy & Cultural Studies

### **MGTA01H3 Introduction to Management I**

This course serves as an introduction to the process of management, including planning, organizing and the role of management within the broader business community.

Exclusion: (MGTA03H3), (COM110H), MGM101H, RSM100Y

Breadth Requirement: Social & Behavioural Sciences

### **MGTA02H3 Introduction to Management II**

This course serves as an introduction to the functional areas of business, including accounting, finance, production and marketing. It builds on the material covered in [MGTA01H3](#)/(MGTA03H3).

Prerequisite: [MGTA01H3](#)/(MGTA03H3)

Exclusion: (MGTA04H3), MGM101H, MGM102H, RSM100Y

Breadth Requirement: Social & Behavioural Sciences

### **SOCA01H3 Introduction to Sociology I**

An introduction to the basic concepts, principles and methods of Sociology as a discipline for the study of society. Sociology I covers theory, methods, culture, social interaction and social stratification.

Exclusion: SOC101Y1

Breadth Requirement: Social & Behavioural Sciences

### **SOCA02H3 Introduction to Sociology II**

Sociology II applies the ideas from Sociology I to social institutions and processes. Topics covered include race and ethnicity, gender, urbanisation, globalisation, population and deviant behaviour.

Prerequisite: SOCA01H3

Exclusion: SOC101Y1

Breadth Requirement: Social & Behavioural Sciences

### **SOCB44H3 Sociology of Cities and Urban Life**

A theoretical and empirical examination of the processes of urbanization and suburbanization. Considers classic and contemporary approaches to the ecology and social organization of the pre-industrial, industrial, corporate and postmodern cities.

Prerequisite: SOCA01H3 and SOCA02H3

Exclusion: SOC205Y Enrolment Limits: 170

Breadth Requirement: Social & Behavioural Sciences

### **SOCB58H3 Sociology of Culture**

An introduction to various ways that sociologists think about and study culture. Topics will include the cultural aspects of a wide range of social phenomena - including inequality, gender, economics, religion, and organizations. We will also discuss sociological approaches to studying the production, content, and audiences of the arts and media. Prerequisite: SOCA01H3 and SOCA02H3

Exclusion: (SOCC18H3), SOC360Y1

Enrolment Limits: 170

Breadth Requirement: History, Philosophy & Cultural Studies

### **SOCC26H3 Sociology of Urban Cultural Policies**

A popular civic strategy in transforming post-industrial cities has been the deployment of culture and the arts as tools for urban regeneration. In this course, we analyze culture-led development both as political economy and as policy discourse. Topics include the creative city;

spectacular consumption spaces; the re-use of historic buildings; cultural clustering and gentrification; eventful cities; and urban 'scenes'. Prerequisite: SOCA01H3 and SOCA02H3 and two of the following: SOCB27H3 or SOCB42H3 or SOCB47H3 or SOCB43H3

Recommended Prerequisite: SOCB44H3

Exclusion: SOC386Y Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

### **SOCC27H3 Sociology of Suburbs and Suburbanization**

This course examines the political economy of suburban development, the myth and reality of suburbanism as a way of life, the working class suburb, the increasing diversity of suburban communities, suburbia and social exclusion, and the growth of contemporary suburban forms such as gated communities and lifestyle shopping malls.

Prerequisite: SOCA01H3 and SOCA02H3 and SOCB44H3

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

### **SOCC44H3 Media and Society**

Provides an introduction to the emergence, organization and regulation of various media forms; social determinants and effects of media content; responses of media audiences; and other contemporary media issues.

Prerequisite: SOCA01H3 and SOCA02H3 and [SOCB05H3 or [(SOCB40H3) and (SOCB41H3)]] and SOCB42H3 and SOCB43H3

Exclusion: (SOCB56H3), (SOCB57H3)

Enrolment Limits: 60 Breadth Requirement: Social & Behavioural Sciences

### **SOCD51H3 Capstone Seminar in Culture, Creativity and Cities *(New)***

This course provides a hands-on learning experience with data collection, analysis, and dissemination on topics discussed in the Culture, Creativity, and Cities minor program. It involves substantial group and individual-based learning, and may cover topics as diverse as the role of cultural fairs and festivals in the city of Toronto, the efficacy of arts organizations, current trends in local cultural labour markets, artistic markets inside and outside of the downtown core, food culture, and analysis of governmental data sets on arts participation in the city.

Prerequisite: SOCB58H3 and at least 1.0 credit from requirement two or SOCA01H3 and SOCA02H3 and SOCB05H3 and 1.0 of [SOCB42H3, SOCB43H3, (SOCB27H3), SOCB30H3, SOCB47H3]

Enrolment Limits: 20

Breadth Requirement: Social and Behavioural Sciences

NOTE: Priority will be given to students enrolled in the minor in Culture, Creativity, and Cities followed by Specialist and Major programs in Sociology. Additional students will be admitted as space permits.

### **VPAA10H3 Introduction to Arts Management**

An introduction to the theories and practices of arts management primarily within the not-for-



<p>profit sector. It is a general survey course that will introduce the broad context of arts in Canadian society and provide an overview of the artistic and administrative issues currently faced by the arts and cultural community. Breadth Requirement: Arts, Literature &amp; Language</p> <p><b>VPAB05H3 Introduction to Contemporary Cultural Theory</b> An introduction to key concepts and issues in contemporary cultural theory. Emphasizes critical reading, thinking, and writing. Students will engage with a wide range of theoretical and methodological developments in the study of art and culture, including, cultural studies, feminism, and postmodernism. Prerequisite: 4.0 credits, including VPAA10H3 Breadth Requirement: History, Philosophy &amp; Cultural Studies</p> <p><b>VPAC15H3 Cultural Policy</b> A survey of the principles, structures and patterns of cultural policy and arts funding, both nationally and internationally. The course will explore a wide range of cultural policy issues, addressing both the subsidized arts and cultural industries sectors, and exploring the strengths and weaknesses of particular policy approaches. Prerequisite: 8.0 credits, including VPAA10H3 &amp; VPAB05H3 Breadth Requirement: Arts, Literature &amp; Language</p>
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## 6 Program Structure, Learning Outcomes, and Degree Level Expectations

Degree Level Expectations	Program Learning Outcomes – e.g. what students will know or be able to do at the completion of the program  [Clearly describe how the Program Learning Outcomes will support the degree level expectations]	How the program design / structure supports the degree level expectations  [Clearly describe how the program design/structure will support the degree level expectations]
<p><b>1. Depth and Breadth of Knowledge</b>  Depth of Knowledge: is attained through a progression of introductory, core and</p>	<p>Depth and breadth of knowledge is understood in the Minor program in Culture, Creativity, and Cities as a comprehensive, hands-on understanding of</p>	<p>The program design and requirement elements that ensure these student outcomes for depth and breadth of knowledge are:  Requirement 1 ensures that students will have the necessary foundation in</p>

<p>specialized courses. Specialized courses will normally be at the C and D levels.</p> <p>Breadth of Knowledge: students will gain an appreciation of the variety of modes of thinking, methods of inquiry and analysis, and ways of understanding the world that underpin different intellectual fields.</p>	<p>the full range of methodological and theoretical tools used by researchers and practitioners who engage with Culture, Creativity, and Cities.</p> <p>This is reflected in students who are able to: identify, define, and describe complex social issues in the culture, creativity and cities area of study; construct and execute original research pathways that address these issues; and understand, evaluate, and develop a stance for her/himself within major academic and public policy debates about culture, creativity and cities.</p>	<p>social science theory and methods.</p> <p>Requirement 2 ensures two outcomes:</p> <p>The Introductory course for the minor (SOCB58H3 Sociology of Culture) ensures students learn key conceptual debates and empirical trends to successfully advance in the Minor program.</p> <p>Second, the elective B-level courses provide grounding in disciplinary approaches to understanding key topics specifically related to culture, creativity and cities.</p> <p>Requirement 3 ensures that students take a core course in culture, creativity and cities, SOCC26H3 Sociology of Urban Cultural Policies, while gaining additional hands-on experience through C-level courses cross-listed in culture, creativity and cities. These courses emphasize the management and manipulation of qualitative and quantitative data sets while providing students with sustained exposure to key topics in culture, creativity and cities.</p> <p>Requirement 4 ensures that students take the Minor program’s capstone course SOCD51H3 Capstone Seminar in Culture, Creativity and Cities, in which they will complete either a community partnership based or primary research based research project that showcases the theoretical and methodological understanding they have gained through the Minor.</p>
<p><b>2. Knowledge of Methodologies</b></p> <p>Students have a working knowledge of different methodologies and approaches relevant to their area of study. They are able to</p>	<p>The program is designed to deliver concrete training and experience in research and data analysis through quantitative and qualitative methodologies.</p>	<p>Required courses at the B, C and D-level – SOCB58H3, SOCC26H3, and SOCD51H3 – expose students to, and give them experience working with, a range of methodologies including experiential learning and lab assignments that center social scientific research design and both qualitative and quantitative methods.</p>

<p>evaluate the efficacy of different methodologies in addressing questions that arise in their area of study.</p>		<p>Already-existing courses that contribute to the Minor program offer students two core methodological experiences: 1) accessing, manipulating, and analyzing publically available data sets; 2) instructor-led opportunities to conduct their own original data collection.</p>
<p><b>3. Application of Knowledge</b> Students are able to frame relevant questions for further inquiry. They are familiar with, or will be able to seek the tools with which, they can address such questions effectively.</p>	<p>The program’s emphasis on data-driven approaches to culture, creativity and cities means that students are taught to frame their scholarly inquiries such that they can be answered using a suite of social scientific methodologies and theoretical frameworks.</p>	<p>The course listings and requirements indicate that our curriculum unites various cognate disciplines through shared theoretical traditions/related topic areas. We make links across literary, artistic, sociological, geographical, political, economic, and other frameworks in content and methodological training. The sequence of courses is such that students encounter increasingly challenging material and methodologies, culminating in significant, sustained research at the D-level.</p>
<p><b>4. Awareness of Limits of Knowledge</b> Students gain an understanding of the limits of their own knowledge and an appreciation of the uncertainty, ambiguity, and limits to our collective knowledge and how these might influence analyses and interpretations.</p>	<p>Courses at each level of the program include instruction on the limits of knowledge, challenges for the application of scholarly knowledge to urban policy, and issues of ambiguity, ethics, and best practices.</p>	<p>In their B-, C-, and D- level courses, instructors will equip and encourage students to develop a critical lens through which they can assess data sets, theoretical traditions, and various social scientific methodologies.</p>
<p><b>5. Communication Skills</b> Students are able to communicate information, arguments, and analyses accurately and reliably, both orally and in writing. They learn</p>	<p>The Minor in Culture, Creative and Cities builds on existing Department of Sociology strengths in developing students’ writing skills while also developing crucial oral and visual communication skills.</p>	<p>Courses in this program are committed to developing student skills of careful and critical reading, verbal and visual communication, and written argumentation. Student interaction is also a key value. Reading and listening skills will be developed in the courses listed in Requirement 1; Research and writing skills will be added through</p>

<p>to read and to listen critically.</p>		<p>Requirements 2 and 3; and students' digital, oral, and visual communication skills are especially developed through Requirements 3 and 4.</p>
<p><b>6. Autonomy and Professional Capacity</b></p> <p>The education students receive achieves the following broad goals:</p> <ul style="list-style-type: none"> <li>• It gives students the skills and knowledge they need to become informed, independent and creative thinkers</li> <li>• It instills the awareness that knowledge and its applications are influenced by, and contribute to, society</li> <li>• It lays the foundation for learning as a life-long endeavour</li> </ul>	<p>Students will learn how to develop cogent, answerable research questions that address pressing social needs. They will acquire the skills necessary to manage data sets, methods for collecting and interpreting data, and a variety of techniques for presenting their findings.</p>	<p>The Minor program includes close contact with instructors and peers at the B- and C- levels to move students toward progressively more autonomous and independent work facilitated at the D-level. Through this process, students will graduate with 1) concrete training and experience in research and data analysis; 2) in depth knowledge of dynamic urban policy arena; and 3) the ability, experience, and desire to carry out autonomous, self-sustained work.</p>

## 7 Assessment of Teaching and Learning

<ul style="list-style-type: none"> <li>• B-level courses are defined by the pedagogical use of small-group tutorials. Mid-semester and final exams are composed of multiple choice and short answer questions, and each B-level course also includes a short written assignment that gives students hands-on training in writing a “policy report.”</li> <li>• C-level courses are defined by the pedagogical use of large-scale qualitative and quantitative data sets drawn from a cross-section of sources (campus, local, provincial, national, international). Each C-level course requires students to complete autonomous research and writing and to complete an oral communication component (e.g., in-class debates, podcasts, etc).</li> <li>• D-level courses are defined by the pedagogical use of intensive group work that culminate in a “capstone” outcome (e.g., deliverables like online “ethnographic maps” of Scarborough with clickable audio and visual reporting; a full-scale research symposium at UTSC).</li> </ul>
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- There is ample opportunity for students to fold co-curricular work into the proposed Minor program. Custom-tailored opportunities will be facilitated through ongoing and new relationships via UTSC Community Partners.

## 8 Consultation

Consultation with the Dean and Vice-Dean Academic has been ongoing during the 2013-14 and 2014-15 academic years. Additionally there has been extensive consultation with faculty from Anthropology, Arts, Culture and Media, Human Geography, and Political Science – all units that are expected to have a significant number of students who will be interested in this program. We are pleased to note significant support from faculty in these departments. Specifically this means a willingness to cross-list courses and generate student engagement with the program

Social science department chairs at UTSC and Sociology departments UTM and St. George have received notice and a copy of the proposal. Their feedback on specific courses has been received and incorporated into the November 2014 iteration of the proposal.

Professor John Hannigan has met again with the Chair of Human Geography to identify and address concerns about overlap. He reports that concerns raised at this meeting have been addressed, in large part by highlighting the focus of the proposed Minor around the Arts and Creative industries and making intentional connections with humanities departments at UTSC (English, Arts, Culture and Media).

The proposed Minor draws principally from already-existing faculty complement, course offerings, and campus strengths, infusing them with new focus, intention, and momentum. As such we only see positive impacts on existing programs and departments.

The proposed program will not negatively impact other programs; instead, it offers opportunities to complement students' existing areas of interest. We anticipate it will be popular among students in Sociology, Arts Management, and Human Geography, with some enrolment also expected from City Studies.

## 9 Resources

### 9.1 Faculty requirements

The primary responsibility for delivering the proposed program will be assumed by three tenure-stream faculty in the Department of Sociology all of whom are active members of the Sociology of Culture Area Committee in the Graduate Department of Sociology. Program delivery is supplemented with cross-listed contributions from CC&C faculty affiliates in cognate fields.

Three types of resource demands are envisioned as requirements for the program to be

successful: teaching capacity, teaching assistant capacity, community engagement and outreach demand.

The primary role in delivering the core courses in the proposed program will be carried out by three Sociology faculty, two who are permanent tenure or tenure-stream, and a new tenure-stream faculty member slated to join department in 2015-16 (search ongoing). With 3 faculty retirements expected in the next 3-5 years within the Department of Sociology, we envision at least one new tenure-stream position tied to this Minor. Program delivery is expanded through cross-listed contributions from faculty affiliates in cognate fields.

TA support will be required for the tutorials in the B-level foundation course – SOCB58H3; these requirements will be within departmental norms. It is expected that student numbers will increase gradually. The goal is to have 75 program students by 2018.

The expectation is that the TA budget will increase with enrolments in the home department for the program, Sociology. Shortfalls for specific courses may require an OTO budget request. The number of courses offered for the program, which impacts TA resource demand, will also take into account TA resource capacity.

The community partnerships component of the program will require designated staff support. The program will need to work with the UTSC community engagement officer to build sustainable community partnerships. To build and manage partnerships a designated staff person, perhaps at half time may be required.

**Table 2: Detailed List of Potential Faculty**

Faculty name and rank	Home unit	Area(s) of Specialization
John Hannigan, Professor	Sociology	Urban, environmental
Dan Silver, Associate Professor	Sociology	Theory, urban, cultural
Clayton Childress, Assistant Professor	Sociology	Cultural, media
Alan Stanbridge, Associate Professor	Arts, Culture and Media	Music and popular culture, cultural theory
Sheri Helwig, Senior Lecturer	Arts, Culture and Media,	Digital communication, copyright, experiential education
Ann Mullen, Associate Prof Pr	Sociology	Education, sociology of culture

**9.2 Space/Infrastructure**

None. The Cities Lab will be used for small-team projects on as-needed basis.

## 10 Governance Process

<b>Levels of Approval Required</b>	<b>Dates</b>
<b>Departmental Curriculum Committee</b>	June 25, 2014
<b>Decanal Sign-Off</b>	January 13, 2015
<b>UTSC Academic Affairs Committee</b>	January 23, 2015
<b>Submission to Provost's Office</b>	
<b>Report to AP&amp;P</b>	
<b>Report to Ontario Quality Council</b>	



OFFICE OF THE CAMPUS COUNCIL

**FOR APPROVAL**

**PUBLIC**

**OPEN SESSION**

**TO:** UTSC Academic Affairs Committee

**SPONSOR:** Dean and Vice-Principal (Academic), Rick Halpern

**CONTACT INFO:** 416-208-7027, vpdean@utsc.utoronto.ca

**PRESENTER:** Vice-Dean, Undergraduate, Mark Schmuckler

**CONTACT INFO:** 416-208-2978, vicedean@utsc.utoronto.ca

**DATE:** Tuesday, February 10, 2015

**AGENDA ITEM:** 3 (d)

**ITEM IDENTIFICATION:**

Major Modification B introducing a freestanding Minor in Urban Public Policy and Governance

**JURISDICTIONAL INFORMATION:**

University of Toronto Scarborough Academic Affairs Committee (AAC) “is concerned with matters affecting the teaching, learning and research functions of the Campus (AAC *Terms of Reference, Section 4*.” Under section 5.6 of its terms of reference, the Committee is responsible for approval of “Major and minor modifications to existing degree programs.” The AAC has responsibility for the approval of Major and Minor modifications to existing programs as defined by the University of Toronto Quality Assurance Process. (*UTQAP, Section 3.1*)

**GOVERNANCE PATH:**

1. **UTSC Academic Affairs Committee [For Approval] (February 10, 2015)**

**PREVIOUS ACTION TAKEN:**

No previous action in governance has been taken on this item.

**HIGHLIGHTS:**

The Department of Human Geography is proposing to introduce a new freestanding Minor program in Urban Public Policy and Governance.



*Freestanding Minor in Urban Public Policy and Governance – for approval*

Canada is an increasingly urban nation characterized by a pronounced metropolitan dominance of the country's largest city-regions: Greater Montreal, Ottawa-Gatineau, Greater Toronto, the Calgary-Edmonton Corridor, and Vancouver and the Lower Mainland. These city-regions are widely recognized as the engines of economic growth and Canada's future prosperity. Yet Canada's city-regions also show a set of persistent problems, including income polarization and poverty, the un- and underemployment of immigrants, infrastructure deficits, and traffic gridlock, to name just a few.

The proposed Minor in Urban Public Policy and Governance will provide students at UTSC with a unique opportunity to acquire an in-depth understanding of city-related policy, governance, and public administration issues through a coherent suite of courses.

With its specialized focus on urban policy and governance, the program differs significantly from more common urban studies or urban planning programs. Urban policy issues have only recently begun to receive sustained and systematic policy attention both within and beyond the academy, and the University of Toronto is well positioned to establish itself as a school of choice for students interested in urban policy and public affairs.

There are no new courses associated with this program.

This proposal has been approved by the Human Geography Departmental Curriculum Committee. It has been reviewed by the Dean's Office, the Decanal Undergraduate Curriculum Committee and the Provost's Office.

**FINANCIAL IMPLICATIONS:**

Any new/additional financial obligations resulting from this proposal will be met by the Department of Human Geography and the Office of the Dean. There are no net financial implications for the campus operating budget.

**RECOMMENDATION:**

Be It Resolved,

THAT the proposed freestanding Minor in Urban Public Policy and Governance, as described in the package dated January 8, 2015 and recommended by the Dean and Vice-Principal (Academic), Professor Rick Halpern, be approved effective April 1, 2015 for the academic year 2015-16.

**DOCUMENTATION PROVIDED:**

1. Major Modification Type B: freestanding Minor in Urban Public Policy and Governance, dated January 8, 2015.



## University of Toronto Major Modification Proposal – Type B: New Freestanding Minor where there is no Existing Specialist or Major

<b>What is being proposed:</b>	Freestanding Minor program in Urban Public Policy and Governance
<b>Department / Unit where the program will be housed:</b>	Human Geography
<b>Faculty / Academic Division:</b>	University of Toronto Scarborough
<b>Faculty / Academic Division Contact:</b>	Annette Knott, Academic Programs Officer aknott@utsc.utoronto.ca
<b>Department/Unit Contact:</b>	Benjamin Pottruff, Program Advisor benjamin.pottruff@utoronto.ca
<b>Start date of the program:</b>	April 1, 2015
<b>Date of this version of the proposal:</b>	January 8, 2015

## 1 Executive Summary

This is a proposal to introduce a new freestanding Minor program in Urban Public Policy and Governance. The University of Toronto Scarborough offers Major and Major Co-op programs in City Studies (BA) and a Major program in Physical and Human Geography (BA) through its Department of Human Geography, but there are currently no Major or Specialist programs specifically in the field of Urban Public Policy and Governance.

Canada is an increasingly urban nation as most Canadians now live in the country's large metropolitan areas. In fact, Canada's urban system is nowadays characterized by a pronounced metropolitan dominance of the country's largest city-regions, with demographic and economic growth primarily concentrated in Greater Montreal, Ottawa-Gatineau, Greater Toronto, the Calgary-Edmonton Corridor, and Vancouver and the Lower Mainland. These city-regions are widely recognized as the engines of economic growth and Canada's future prosperity. Yet Canada's city-regions also show a set of persistent problems, including income polarization and poverty, the un- and underemployment of immigrants, infrastructure deficits, and traffic gridlock, to name just a few.

Canadian city governments are embedded in complex systems of multi-level governance, and are both policy-makers themselves, and the objects of policies enacted by other levels of government. Contemporary local governments face policy and governance dilemmas that are distinct in many ways from those experienced at other levels: structural revenue constraints, competition for investment, inadequate accountability and ethics regimes for politicians and public servants, and the distinctive ways in which local policymaking takes place through public deliberation.

Over the past decade, city advocates and local stakeholders across the country have made renewed calls for strengthening the power and governance capacity of cities within the Canadian federation. Many, including the current President of the University of Toronto, have argued that it is at the scale of city-regions that the key policy levers that will drive economic, social, and environmental success or failure are located. Cities present distinctive policy challenges and opportunities, yet there are currently no undergraduate programs that focus on these city-region governance challenges.

Some of these important matters are addressed in existing City Studies courses. Among the latter, CITB01H3 Canadian Cities and Planning; CITB04H3 City Politics; CITC12H3 City Structures and City Choices: Local Government, Management, and Policymaking; and CITC15H3 Taxing and Spending: Public Finance in Canadian Cities, are included as required or elective courses in the proposed Minor.

Equally, a major strength of the Department of Human Geography at UTSC is Urban Geography, with several courses that address both the geographies and policy environments of cities, including GGRA03H3 Cities and Environments, GGRB05H3 Urban Geography, GGRC10H3 Urbanization and Development, GGRC13H3 Urban Political Geography, GGRC33H3 The Toronto

Region, and GGRC40H3 Megacities and Global Urbanization.

The proposed Minor in Urban Public Policy and Governance will provide students at UTSC with a unique opportunity to acquire an in-depth understanding of city-related policy, governance, and public administration issues through a coherent suite of courses.

The program is unique insofar as there is no comparable program in this area at UTSC, nor is there an equivalent program at the wider University of Toronto. In fact, with its specialized focus on urban policy and governance, the program differs significantly from more common urban studies or urban planning programs, and we believe it would be the first undergraduate program of its kind in Canada. Urban policy issues have only recently begun to receive sustained and systematic policy attention both within and beyond the academy. The U.S. has a longer history of engagement with urban public affairs, reflected in existing comparable undergraduate programs such as Urban and Public Affairs at the University of Illinois Chicago or Urban Policy at Arizona State University. Similar programs exist at the graduate level in universities in the US, including, for instance, the Urban Policy and Management Master’s program at the New School in New York City. The University of Toronto is well positioned to establish itself as a school of choice for students interested in urban policy and public affairs.

There are no new courses associated with this program.

## 2 Program Rationale

This is a proposal to introduce a new freestanding Minor program in Urban Public Policy and Governance, which will provide a coherent and thorough grounding in urban governance and policy challenges and opportunities. Although sharing some concepts and approaches with the broader public policy field, urban policy and city governance has its own particular challenges. As this is a Minor program, we expect students will pair it with a Major program in one of City Studies, Public Policy, Human Geography, Political Science, International Development Studies, Economics for Management Studies, Sociology or History. Students completing the proposed Minor in conjunction with one of the above Major programs, as part of the requirements necessary for their degree, will be well prepared for graduate studies in public policy and governance, urban planning, and public administration, and for careers in government at the municipal and provincial levels, or in the non-profit and advocacy sectors.

There are currently no comparable programs at the University of Toronto, and few elsewhere in Canada. Innis College offers undergraduate Specialist, Major and Minor programs in Urban Studies, but none of these focus primarily on issues of urban policy or city governance. Even though cities form the primary human habitat, and the high densities and complexity of cities present distinctive policy issues, city governance and policy has not emerged as a sub-discipline in its own right. The main attention to these issues is by urban planners and architects, but city governance and policy issues are broader and more inclusive than the approach adopted by either of these two disciplines.

The distinctive and innovative approach of this program will be the focus on the complex and

inter-related challenges of city governance, drawing on the conceptual frameworks and knowledge base of city studies, public policy, and urban geography. Highlighting the distinctive governance and policy challenges faced by city-regions will provide an important and valuable perspective for students who move on to graduate programs, or careers in municipal and provincial government, planning, architecture, social services, non-profits, and elsewhere.

### 3 Need and Demand

The combination of the City Studies and Public Policy Major programs at UTSC is a popular one, and we are seeing an increasing number of students combining courses in Public Policy and City Studies to acquire an in-depth knowledge of local/municipal public policy in the Canadian context. The proposed Minor program will contribute to building the breadth and depth of City Studies offerings, and will highlight the synergies between the approaches of the City Studies and Public Policy Major degrees. In addition, the proposed program will allow a focused combination for students who opt to do a Major and double Minor degree: for example, students will be able to combine a Major City Studies or Public Policy with Minors in Public Policy and City Governance and Geographic Information Science (GIS). Furthermore, the proposed Minor in Public Policy and City Governance will complement Major programs in Human Geography, Political Science, Economics for Management Studies, History, and Critical Development Studies.

**Table 1: Undergraduate Enrolment Projections**

*Provide details regarding the anticipated yearly in-take and projected steady-state enrolment target including a timeline for achieving it. (Please adjust the table as necessary)*

Level of study	Academic year 2015-16	Academic year 2016-17	Academic year 2017-18	Academic year 2018-19	Academic year 2019-20	Academic year 2020-21	Academic year 2021-22
1 <sup>st</sup> year	#	#	#	#	#	#	#
2 <sup>nd</sup> year	10	13	15	18	20	20	20
3 <sup>rd</sup> year	3	10	13	15	18	20	20
4 <sup>th</sup> year	2	5	10	13	15	18	20
<b>Total enrolment</b>	15	28	38	46	53	58	60

Students will enter the program in their second year of studies. The program is expected to reach steady state by 2021-22.

Students completing the proposed Minor in Urban Public Policy and Governance, in combination with an appropriate Major, will be well prepared for graduate studies in public policy and governance, urban planning, and public administration, and for careers in government at the municipal and provincial levels, or in the non-profit and advocacy sectors.

## 4 Admission / Eligibility Requirements

None.

## 5 Program Requirements

Complete Program Description and Proposed Calendar copy:

### **MINOR PROGRAM IN URBAN PUBLIC POLICY AND GOVERNANCE (ARTS)**

The cross-disciplinary Minor program in Urban Public Policy and Governance equips students with the conceptual tools and methodological skills they will need to understand and analyze processes of city-regional and municipal governance and policy making in Canadian and comparative perspective. The main emphasis is placed on the policy and governance dilemmas of contemporary local governments and how these are distinct from those experienced at other levels: structural revenue constraints, infrastructure deficits, socio-spatial polarization, competition for investment, inadequate accountability and ethics regimes for politicians and public servants, and the distinctive ways in which local policymaking takes place through public deliberation.

Students completing the Minor program in Urban Public Policy and Governance combined with a Major program in City Studies, Public Policy, Human Geography, Political Science, Economics for Management Studies, History, Critical Development Studies or other relevant programs will be well prepared for graduate studies in public policy and governance, urban planning, and public administration, and for public sector careers at the municipal and provincial levels, or in the non-profit and advocacy sectors.

#### **Program Requirements**

This program requires the completion of 4.0 credits as follows:

#### **1. Foundations (1.0 credit)**

[CITB01H3 Canadian Cities and Planning and CITB04H3 City Politics], or  
[GGRA03 Cities and Environments and GGRB05 Urban Geography], or  
POLB50Y3 Canadian Government and Politics

#### **2. Core courses (1.0 credit):**

CITC12H3 City Structures and City Choices: Local Government, Management, and Policymaking  
CITC15H3 Taxing and Spending: Public Finance in Canadian Cities

#### **3. Applications of Urban Public Policy and Governance (2.0 credit):**

Choose from:

CITC04H3 Municipal and Planning Law in Ontario  
CITC07H3 Urban Social Policy

CITC16H3 Planning and Governing the Metropolis  
 CITC17H3 Civic Engagement in Urban Politics  
 CITD01H3 City Issues and Strategies  
 CITD10H3 Seminar in Selected Issues in City Studies  
 GGRC13H3 Urban Political Geography  
 GGRC33H3 The Toronto Region  
 PPGC66H3/(POLC66H3) Public Policy Making  
 PPGC67H3/(POLC67H3) Public Policy in Canada

Courses Associated With Program

**CITB01H3 Canadian Cities and Planning**

After reviewing the history of urban and regional planning in Canada, this course considers alternative ideologies, models of public choice, the role of the planner, the instruments of planning, tools for the analysis of planning, and planning in the context of the space economy.

Prerequisite: Any 4.0 credits.

Exclusion: (GGRB06H3)

Breadth Requirement: Social & Behavioural Sciences

**CITB04H3 City Politics**

This course is the foundations course for the city governance concentration in the City Studies program, and provides an introduction to the study of urban politics with particular emphasis on different theoretical and methodological approaches to understanding urban decision-making, power, and conflict.

Prerequisite: Any 4.0 credits

Breadth Requirement: Social & Behavioural Sciences

**CITC04H3 Municipal and Planning Law in Ontario**

Constitutional authority, municipal corporations, official plans, zoning bylaws, land subdivision and consents, development control, deed restrictions and common interest developments, Ontario Municipal Board.

Prerequisite: At least 1.5 credits at the B-level in ONE of the following: City Studies or Human Geography or Political Science or Sociology.

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

**CITC07H3 Urban Social Policy**

In recent years social policy has been rediscovered as a key component of urban governance. This course examines the last half-century of evolving approaches to social policy and urban inequality, with particular emphasis on the Canadian urban experience. Major issues examined are poverty, social exclusion, labour market changes, housing, immigration and settlement.

Prerequisite: At least 1.5 credits at the B-level in ONE of the following: City Studies or Human Geography or Political Science or Sociology.

Exclusion: CITC10H3 if taken in the 2011 Winter session.

Enrolment Limits: 60 Breadth Requirement: Social & Behavioural Sciences

**CITC12H3 City Structures and City Choices: Local Government, Management and Policymaking**

This course examines the structure of local government, how local Government is managed, how policy decisions are made. Viewing Canadian cities in comparative perspective, topics include the organization and authority of the mayor, council, civic bureaucracy, and special-purpose bodies, and their roles in the making and implementation of public policies; ethical and conflict-of-interest dilemmas; collective bargaining; and provincial oversight of municipal affairs.

Prerequisite: At least 1.0 credit at the B-level in ONE of the following: City Studies or Human Geography or Economics for Management Studies or Management or Political Science or Sociology.

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

**CITC15H3 Taxing and Spending: Public Finance in Canadian Cities**

The course examines Canadian local public finance in comparative perspective and discusses the implications of municipal finance for urban public policy, planning, and the provision of municipal services. Topics include local government revenue sources and expenditures, the politics of municipal budgeting and intergovernmental fiscal relations, and how public finance influences urban form.

Prerequisite: At least 1.0 credit at the B-level in ONE of the following: City Studies or Human Geography or Economics for Management Studies or Management or Political Science or Sociology.

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

**CITC16H3 Planning and Governing the Metropolis**

Most of the world's population now lives in large urban regions. How such metropolitan areas should be planned and governed has been debated for over a century. Using examples, this course surveys and critically evaluates leading historical and contemporary perspectives on metropolitan planning and governance, and highlights the institutional and political challenges to regional coordination and policy development.

Prerequisite: At least 1.0 credit at the B-level in ONE of the following: City Studies or Human Geography or Management or Political Science or Sociology.

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

**CITC17H3 Civic Engagement in Urban Politics**

This course examines the engagement of citizen groups, neighbourhood associations, urban social movements, and other non-state actors in urban politics, planning, and governance. The course will discuss the contested and selective insertion of certain groups into city-regional decision-making processes and structures.

Prerequisite: At least 1.5 credits at the B-level in ONE of the following: City Studies or Human



Geography or Political Science or Sociology.

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

**CITD01H3 City Issues and Strategies**

This course is designed as a culminating City Studies course in which participants are able to showcase the application of their research skills, and share their professional and disciplinary interests in a common case study. Lectures and guests will introduce conceptual frameworks, core questions and conflicts. Students will be expected to actively participate in discussions and debates, and produce shared research resources. Each student will prepare a substantial research paper as a final project.

Prerequisite: 15.0 credits and completion of the following requirements from either the Major or Major Co-operative programs in City Studies: (2) Core Courses and (4) Methods

Enrolment Limits: 25

**CITD10H3 Seminar in Selected Issues in City Studies**

Designed primarily for final-year City Studies Majors, this research seminar is devoted to the analysis and discussion of current debates and affairs in City Studies using a variety of theoretical and methodological approaches. Specific content will vary from year to year. Seminar format with active student participation.

Prerequisite: 15.0 credits, including completion of the following requirements of the Major/Major Co-op programs in City Studies: (1) Introduction to Social Science Thought, (2) Core Courses, and (4) Methods

Enrolment Limits: 25

Breadth Requirement: Social & Behavioural Sciences

NOTE: Priority will be given to students enrolled in the Major/Major Co-op programs in City Studies. Additional students will be admitted as space permits.

**GGRA03H3 Cities and Environments**

An introduction to the characteristics of modern cities and environmental issues, and their interconnections. Linkages between local and global processes are emphasized. Major topics include urban forms and systems, population change, the complexity of environmental issues such as climate change and water scarcity, planning for sustainable cities.

Exclusion: GGR107H, (GGR107Y), GGR117Y

Breadth Requirement: Social & Behavioural Sciences

**GGRB05H3 Urban Geography**

This course will develop understanding of the geographic nature of urban systems and the internal spatial patterns and activities in cities. Emphasis is placed on the North American experience with some examples from other regions of the world. The course will explore the major issues and problems facing contemporary urban society and the ways they are analysed.

Prerequisite: Any 4 credits

Exclusion: GGR124H, (GGR124Y)

Enrolment Limits: 150

Breadth Requirement: Social & Behavioural Sciences

**GGRC13H3 Urban Political Geography**

Geographical approach to the politics of contemporary cities with emphasis on theories and structures of urban political processes and practices. Includes nature of local government, political powers of the property industry, big business and community organizations and how these shape the geography of cities.

Prerequisite: [GGRB02H3 and GGRB05H3] or [CITB01H3 and CITB02H3] or POLC66H3

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

**GGRC33H3 The Toronto Region**

This course examines issues of urban form and structure, urban growth and planning in the Toronto region. Current trends in population, housing, economy, environment, governance, transport, urban design and planning practices at the local level and the regional scale will be examined critically.

Prerequisite: 1.0 credit from [GGRB02H3, GGRB05H3, CITB01H3, CITB02H3]

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

**POLB50Y3 Canadian Government and Politics**

This course examines the institutional foundations and principles of Canadian government, and the social, cultural, and historical factors that shape its politics. Topics covered are the Canadian constitution, the executive, parliament, the public service, the federal system, the Charter of Rights and Freedoms, the courts, political parties, the electoral system, interest groups, social movements, Quebec nationalism, and aboriginal self-determination. Area of Focus: Canadian Government and Politics.

Prerequisite: Any 4.0 credits.

Exclusion: (POLB50H3), (POLB52H3), POL214Y, POL224Y

Breadth Requirement: Social & Behavioural Sciences

Breadth Requirement: Social & Behavioural Sciences

**PPGC66H3/(POLC66H3) Public Policy Making**

This course provides a study of current theories of public policy-making and the processes that are involved in making public policies. Policy processes of agenda setting, choosing governing instruments, making public decisions, and implementing and evaluating governmental programs are examined using specific cases of public policy-making in Canada.

Areas of Focus: Canadian Government and Politics; Public Policy

Prerequisite: [POLB50Y3 or equivalent] or [1.5 credits at the B-level in CIT courses]

Breadth Requirement: Social & Behavioural Sciences

**PPGC67H3/(POLC67H3) Public Policy in Canada**

This course is a survey of contemporary patterns of public policy in Canada. Selected policy studies including managing the economy from post-war stabilization policies to the rise of

global capitalism, developments in the Canadian welfare state and approaches to external relations and national security in the new international order.

Prerequisite: [POLB50Y3 or equivalent] or 1.5 credits at the B-level in CIT courses]

Breadth Requirement: Social & Behavioural Sciences

## 6 Program Structure, Learning Outcomes, and Degree Level Expectations

Degree Level Expectations	Program Learning Outcomes – e.g. what students will know or be able to do at the completion of the program  [Clearly describe how the Program Learning Outcomes will support the degree level expectations]	How the program design / structure supports the degree level expectations  [Clearly describe how the program design/structure will support the degree level expectations]
<p><b>1. Depth and Breadth of Knowledge</b></p> <p>Depth of Knowledge: is attained through a progression of introductory, core and specialized courses. Specialized courses will normally be at the C and D levels.</p> <p>Breadth of Knowledge: students will gain an appreciation of the variety of modes of thinking, methods of inquiry and analysis, and ways of understanding the world that underpin different intellectual fields.</p>	<p>Depth and breadth of knowledge is understood in the Minor in Urban Public Policy and Governance as knowledge of the Canadian political system as it relates to cities and city-regions, in particular the position of Canadian municipalities within the broader institutional structure of the Canadian state, the institutional structure and mechanisms of municipal and regional governance, as well as important contemporary city governance issues.</p> <p>This is reflected in students who are able to analyze city governance processes and policy issues using a variety of qualitative and quantitative methods, and understand and interpret scholarly articles on the subject.</p>	<p>The program design and requirement elements that ensure these student outcomes for depth and breadth of knowledge are:</p> <p>1.0 credit at the B-level will provide the foundational knowledge as it relates to the institutional context of city governance and different theoretical and methodological approaches to the study of city governance.</p> <p>0.5 credit at the C-level (CITC12H3 City Structures and City Choices: Local Government, Management, and Policymaking) will provide students with more advanced knowledge of the policymaking process, policy analysis, and the institutional framework of city governance.</p> <p>1.0 credit at the C-level (Applications of Public Policy electives) will provide students with knowledge about public policy making and the broader institutional context in which cities are embedded.</p> <p>1.5 credits at the C- or D-level (Applications of City Governance Electives) will give students the opportunity to explore more specialized topics related to city governance based on their academic interest and professional aspirations.</p>
<p><b>2. Knowledge of Methodologies</b></p> <p>Students have a working knowledge of different methodologies and approaches relevant to their area of study. They are able to evaluate the efficacy of different methodologies in addressing questions that arise</p>	<p>The main methods that will be emphasized include critical thinking, policy analysis, and basic quantitative and qualitative social analysis. Students in the Major program in City Studies or Human Geography and/or the Minor Program in GIS will be encouraged to integrate GIS into their analysis of city governance and urban public policy.</p>	<p>Empirical social analysis will be introduced in all B-level courses listed under Requirement 1. These courses also pay special attention to library research and critical reading and writing skills.</p> <p>CITC12H3 and all courses listed under Requirement 2 introduce students to public policy analysis.</p> <p>Students will be required and supported to explore and evaluate different social science research methods in Requirement 3.</p>

<p>in their area of study.</p>		
<p><b>3. Application of Knowledge</b></p> <p>Students are able to frame relevant questions for further inquiry. They are familiar with, or will be able to seek the tools with which, they can address such questions effectively.</p>	<p>The more advanced courses will allow students to apply theories, tools, and methods introduced in the program's core courses in more specialized research questions related to their specific academic interest.</p>	<p>At the B-level, students will be introduced to, and trained in, formulating research questions, conducting literature reviews, reviewing policy-relevant grey literature, and answering their research questions.</p> <p>Courses at the C-level will require students to conduct a piece of original research and communicate their research findings in oral and/or written form.</p>
<p><b>4. Awareness of Limits of Knowledge</b></p> <p>Students gain an understanding of the limits of their own knowledge and an appreciation of the uncertainty, ambiguity, and limits to our collective knowledge and how these might influence analyses and interpretations.</p>	<p>Students will be able to identify and explain different approaches to the study of urban public policy and city governance, and discuss their limitations. Students will also understand the particularities of city governance in Canada and how it might differ elsewhere. More generally, student will be aware of the benefits and potential limitations of cross- or inter-disciplinary inquiries.</p>	<p>City Studies courses are cross-disciplinary, and as such emphasize different ways of knowing, the strengths and weaknesses of individual disciplines and methodologies, and the value of research collaboration across disciplines and with partners beyond the university.</p>
<p><b>5. Communication Skills</b></p> <p>Students are able to communicate information, arguments, and analyses accurately and reliably, both orally and in writing. They learn to read and to listen critically.</p>	<p>The Minor in Urban Public Policy and Governance will allow students to develop academic reading and writing skills, and give them the opportunity to communicate their research findings in both oral and written form to academic and non-academic audiences.</p>	<p>B-level courses with tutorials capped at 25 allow students to develop their basic academic reading writing, and communication skills. Careful assignment scaffolding, combined with incorporation of oral forms of research dissemination, at the C- and D- levels allows students to enhance their communication skills in a structured and supportive environment.</p>
<p><b>6. Autonomy and Professional Capacity</b></p> <p>The education students receive achieves the following broad goals:</p> <ul style="list-style-type: none"> <li>• It gives students the skills and knowledge they need to become informed, independent and creative thinkers</li> <li>• It instills the awareness that knowledge and its applications are influenced by, and contribute to, society</li> <li>• It lays the foundation for learning as a life-long endeavour</li> </ul>	<p>The Minor program in Urban Public Policy and Governance will give students the opportunity to become informed and engaged urban citizens, knowledgeable of the institutional framework of city politics and governance in Canadian and comparative context.</p> <p>Coupled with a Major program in City Studies, Human Geography, Public Policy, or Critical Development Studies, and another Minor program in, Public Law or Geographic Information Science (GIS), the graduates of the Minor program in Urban Public Policy and Governance will be well positioned to pursue graduate education in a related area of study, or enter a variety of promising urban-related career paths.</p>	<p>Students will develop autonomous research capacity, and learn professional skills both in major independent research projects and in team-based projects that will require collaboration.</p> <p>City Studies C- and D-level courses focus on experiential education by including field trips, group assignments, presentations to community partners, guest speakers, panel discussions, mini-conferences, etc.</p> <p>The City Studies program enjoys existing unparalleled relationships and access to local decision makers and community actors, The Minor program in City Governance program will give students direct exposure to practitioners and practice.</p>

## 7 Assessment of Teaching and Learning

The methods for assessing students will be consistent with the practices in City Studies, Human Geography and Political Science.

The emphasis at the **B-level** is breadth of knowledge in Canadian and City Politics and Urban Planning and the acquisition of academic skills, critical thinking, critical reading, and writing.

Midterm and final exams assess students' comprehension of the main conceptual frameworks and methodological tools for the study of politics and city governance. Short written assignments, including annotated bibliographies, reading journals, review essays, are designed to enhance students' basic academic and research skills in preparation for course work at more advanced study levels.

At the **C- and D-level**, the emphasis in learning assessment shifts from breadth to depth of knowledge and from exams to the application of knowledge in independent research assignments, including policy analysis, research proposals, research papers, the composition of policy briefs, and oral presentations. In our D-level courses, students' learning will be assessed entirely on their successful application of their research skills and expertise in a common urban policy related case study. Resembling a graduate seminar, these courses focus on active student participation in seminar discussions and the completion of an independent research project, including proposal, literature review, ethics review, data collection, data analysis, and the dissemination of findings in oral and written form, under close supervision and guidance of the instructor.

## 8 Consultation

This new program is expected to increase the breadth and depth of City Studies programs, and provide a valuable option to students in other Social Science disciplines. We have sent copies of the proposal to:

- Grace Skogstad, Chair of Political Science
- Phil Triadafilopoulos, Associate Chair of Political Science
- Paul Kingston, Director of Centre for Critical Development Studies
- Patricia Landolt, Chair of Sociology
- Daniel Bender, (former) Chair of Historical and Cultural Studies

The Department of Political Science at UTSC was initially concerned about a perceived over-reliance on POL courses, but we have resolved that issue by making the public policy (PPG) courses optional. Since students in the Public Policy Major and Major Co-op programs are one of the primary target audiences for this proposed program, we expect that many interested students will have taken the PPG courses as part of their degree. The Department of Political Science is comfortable with the revised program structure.

In addition, the Chair of the Department of Political Science also suggested the original name of the program – City Governance – be changed to Urban Public Policy, thus making the proposed program a good complement to the Public Policy programs in Political Science. We agreed with this suggestion.

## 9 Resources

### 9.1 Faculty requirements

The proposed Minor program builds on already existing courses and no new faculty resources are required; however, several of the program’s proposed core courses are currently taught by CLTA faculty. We have identified City Politics/City Governance as a hiring priority for 2015-2016 in our Complement Plan, when we expect to convert the CLTA to a tenure-track position. Additional TA resources may be required due to higher enrolments and will be consistent with other courses in City Studies and Human Geography. Given planned increases in enrolment at UTSC, we expect that incremental increases in enrolment will be accompanied by incremental increases in TA budgets. As no new courses are proposed, we do not feel that increases in TA resources will be significant. The Department of Human Geography currently has a small surplus in our TA budget, so can easily accommodate incremental increases in TA budget required by this program.

**Table 2: Detailed List of Committed Faculty**

Faculty name and rank	Home unit	Area(s) of Specialization
Ahmed Allahwala, Lecturer	Human Geography	City-Regional Governance, Urban (Social) Policy
Zack Taylor, Assistant Professor	Human Geography	City-Regional Governance, Urban Politics, Local Government and Public Administration
Andre Sorensen, Professor	Human Geography	Urban Geography, Urban Planning, Planning History

### 9.2 Space/Infrastructure

None.

## 10 Governance Process

Levels of Approval Required	Dates
Departmental Curriculum Committee	July 4 <sup>th</sup> , 2014
Decanal Sign-Off	Dec 16, 2014
DUCC (Undergraduate)	January 23, 2015
UTSC Academic Affairs Committee	
Submission to Provost’s Office	
Report to AP&P	
Report to Ontario Quality Council	



OFFICE OF THE CAMPUS COUNCIL

**FOR APPROVAL**

**PUBLIC**

**OPEN SESSION**

**TO:** UTSC Academic Affairs Committee

**SPONSOR:** Dean and Vice-Principal (Academic), Rick Halpern

**CONTACT INFO:** 416-208-7027, vpdean@utsc.utoronto.ca

**PRESENTER:** Vice-Dean, Undergraduate, Mark Schmuckler

**CONTACT INFO:** 416-208-2978, vicedean@utsc.utoronto.ca

**DATE:** Tuesday, February 10, 2015

**AGENDA ITEM:** 3 (e)

**ITEM IDENTIFICATION:**

Major Modification A to close the Design-Your-Own streams of the Specialist and Specialist Co-op programs in Mathematics (B.Sc.)

**JURISDICTIONAL INFORMATION:**

University of Toronto Scarborough Academic Affairs Committee (AAC) “is concerned with matters affecting the teaching, learning and research functions of the Campus (AAC *Terms of Reference, Section 4*).” Under section 5.6 of its terms of reference, the Committee is responsible for approval of “Major and minor modifications to existing degree programs.” The AAC has responsibility for the approval of Major and Minor modifications to existing programs as defined by the University of Toronto Quality Assurance Process. (*UTQAP, Section 3.1*)

**GOVERNANCE PATH:**

1. **UTSC Academic Affairs Committee [For Approval] (February 10, 2015)**

**PREVIOUS ACTION TAKEN:**

No previous action in governance has been taken on this item.

**HIGHLIGHTS:**

The Department of Computer and Mathematical Sciences is proposing to close the Design-Your-Own streams of its Specialist and Specialist Co-operative programs in Mathematics (B.Sc.).

*Major Modification A: Specialist in Mathematics – for approval*

Both programs currently have four streams: Comprehensive; Statistics; Teaching; and Design-Your-Own. Enrolments in the Design-Your-Own streams historically have been low, and more importantly, their role has been largely subsumed into the more flexible requirements of the Comprehensive streams of the non co-op and co-op programs. Given that the Design-Your-Own streams do not appear to resonate with our students, and there are other options available for students interested in a Specialist or Specialist Co-operative program in Mathematics, we feel it is time to close these streams.

The learning outcomes for the Specialist and Specialist Co-op Programs in Mathematics will not be affected by the proposed changes in any significant way; instead, the changes will allow us to satisfy our desired learning outcomes more effectively.

Students who are currently enrolled in the Design-Your-Own streams will be grand-parented. Incoming students who might have been interested in these streams will have clear alternative options.

This proposal has been approved by the CMS Departmental Curriculum Committee. It has been reviewed by the Dean's Office, the Decanal Undergraduate Curriculum Committee and the Provost's Office.

**FINANCIAL IMPLICATIONS:**

There are no net financial implications to the campus operating budget.

**RECOMMENDATION:**

Be It Resolved,

THAT the Design-Your-Own stream of the Specialist in Mathematics (B.Sc.), as described in the package dated January 7, 2015 and recommended by the Dean and Vice-Principal (Academic), Professor Rick Halpern, be approved to be effective April 1, 2015 for the academic year 2015-16; and

THAT the Design-Your-Own stream of the Specialist (Co-operative) in Mathematics (B.Sc.), as described in the package dated January 7, 2015 and recommended by the Dean and Vice-Principal (Academic), Professor Rick Halpern, be approved to be effective April 1, 2015 for the academic year 2015-16.

**DOCUMENTATION PROVIDED:**

1. Major Modification A: close Design-Your-Own streams of the Specialist and Specialist Co-op programs in Mathematics (B.Sc.) dated January 7, 2015.





## University of Toronto Major Modification Proposal – Type A: Significant Modifications to Existing Graduate and Undergraduate Programs

<b>Program being modified:</b>	Specialist in Mathematics, B.Sc. Specialist Co-operative in Mathematics, B.Sc.
<b>Nature of the Major Modification (with reference to the UTQAP characterize the change being made):</b>	Closing the Design-Your-Own streams of both programs.
<b>Department / Unit where the program resides:</b>	Computer & Mathematical Sciences
<b>Faculty / Academic Division:</b>	University of Toronto Scarborough
<b>Faculty / Academic Division contact:</b>	Annette Knott, Academic Programs Officer aknott@utsc.utoronto.ca
<b>Department / Unit contact:</b>	David Fleet, Chair
<b>Effective date streams will close to new enrolments:</b>	April 1, 2015
<b>Effective date of full closure of streams:</b>	April 2020
<b>Date of this version of the proposal:</b>	January 7, 2015

## 1 Executive Summary

The Department of Computer and Mathematical Sciences currently offers Specialist and Specialist Co-operative programs in Mathematics. Both programs have four streams: Comprehensive; Statistics; Teaching; and Design-Your-Own. This is a proposal to close the Design-Your-Own stream in both programs.

Approved academic change proposals for the 2012-13 academic year resulted in the closure of the Specialist/Specialist Co-op programs in Mathematics and Its Applications and the transformation of the Specialist/Specialist Co-op programs in Mathematics from programs with no streams to programs with four streams: Comprehensive; Statistics; Teaching; and Design-Your-Own. Historically, the Design-Your-Own streams had low enrolments, but a decision was made to retain them, partly because the few students choosing them were exceptional and it was felt they should be encouraged, and partly because, with the major modification of the Specialist/Specialist Co-op programs in Mathematics, there was an anticipated growth in enrolments. However, enrolments in the Design-Your-Own streams continue to be low, and more importantly, their role has been largely subsumed into the more flexible requirements of the Comprehensive streams of the non co-op and co-op programs. Given that the Design-Your-Own streams do not appear to resonate with our students, and there are other options available for students interested in a Specialist or Specialist Co-operative program in Mathematics, we feel it is time to close these streams.

We also propose to make some minor modifications to the Comprehensive and Teaching Streams in both programs. The Comprehensive streams will have fewer required courses, thus giving students greater flexibility in their choice of electives. The Teaching streams will be reduced by one course (0.5 credit). No changes are proposed for the Statistics streams of the programs.

The learning outcomes for the Specialist and Specialist Co-op Programs in Mathematics will not be affected by the proposed changes in any significant way; instead, the changes will allow us to satisfy our desired learning outcomes more effectively.

Students who are currently enrolled in the Design-Your-Own streams will be grand-parented. Incoming students who might have been interested in these streams will have clear alternative options.

## 2 Academic Rationale

The Department of Computer and Mathematical Sciences currently offers Specialist and Specialist Co-operative programs in Mathematics. Both programs have four streams: Comprehensive; Statistics; Teaching; and Design-Your-Own. This is a proposal to close the Design-Your-Own stream in both programs.

The current structures of the Specialist and Specialist Co-operative programs in Mathematics were established effective the 2012-13 academic year with the approval of proposals to close the Specialist/Specialist Co-op programs in Mathematics and Its Applications, and to change the Specialist/Specialist Co-op program in Mathematics from a program with no streams to a program with four streams: Comprehensive; Statistics; Teaching; and Design-Your-Own.

In effect, the Specialist/Specialist Co-op programs in Mathematics and Its Applications, were amalgamated with the Specialist/Specialist Co-op programs in Mathematics. The Specialist and Specialist Co-op programs in Mathematics were programs without streams. The Specialist and Specialist Co-op programs in Mathematics and Its Applications were programs with five streams: Computational Physical Science; Natural Sciences; Statistics; Teaching; and Design-Your-Own. The streams in Computational Physical Science and Natural Sciences were closed in the Specialist/Specialist Co-op programs in Mathematics and Its Applications. The streams in Statistics, Teaching and Design-Your-Own were retained. Comprehensive streams, based on the then existing requirements of the Specialist/Specialist Co-op programs in Mathematics, were formally established.

Historically, the Design-Your-Own streams of the Specialist and Specialist Co-op programs in Mathematics and Its Applications had low enrolments, but a decision was made to retain them, partly because the few students choosing them were exceptional and it was felt they should be encouraged, and partly because there was an anticipated growth in enrolments. However, enrolments in the Design-Your-Own streams continue to be low, and more importantly, their role has been largely subsumed into the more flexible requirements of the Comprehensive streams of the programs. Given that the Design-Your-Own streams do not appear to resonate with our students, and there are other options available for students interested in a Specialist or Specialist Co-operative program in Mathematics, we feel it is time to close these streams.

Minor changes to the Comprehensive and Teaching streams of both programs are also being proposed for the following reasons:

**Comprehensive Streams:**

To give students more flexibility to pursue the topics that most interest them, while maintaining a strong core of basics that "every math specialist should know".

**Teaching Streams:**

MATC82H3 (Mathematics for Teachers) is being eliminated as a program requirement because its content is not essential and we have been unable to offer it with sufficient frequency due to the increasing difficulty of finding people qualified to teach it.

These changes do not affect the role of these programs within the division's academic plans. No changes are proposed for the Statistics streams of the programs.

### 3 Description of the Proposed Major Modification(s)

**For both the Specialist and Specialist Co-op programs in Mathematics:**

1. Close the Design-Your-Own streams
2. Changes to the Core
  - i. In requirement 2, replace CSCA67H3 with MATA67H3
  - ii. Allow either of CSCA08H3 (previously required) or CSCA20H3
3. Changes to the Comprehensive streams
  - i. Reduce the total number of credits to complete the stream from 14.0 to 13.5
  - ii. Eliminate requirement 5 (1.5 credits)
  - iii. Reduce the total number of credits to complete requirement #7 from 1.5 to 1.0; add MATC63H3 as an option to the bin
  - iv. Increase the total number of credits to complete requirement #8 from 0.5 to 1.0; add MATC16H3 as an option to the bin
  - v. Increase the total number of credits to complete requirement #9 from 1.5 to 2.5, and expand the list of electives to include courses in CSC, STA, and PHY.
4. Changes to the Statistics streams  
No changes
5. Changes to the Teaching streams
  - i. Delete MATC82H3 from requirement #5; reduce total number of credits from 2.0 to 1.5
  - ii. Increase the total number of credits to complete requirement #8 from 1.5 to 2.0

The learning outcomes for the Specialist and Specialist Co-op Programs in Mathematics will not be affected by the proposed changes in any significant way. They will however allow us to satisfy our desired learning outcomes more effectively.

### 4 Impact of the Change on Students

As of February 1, 2014, four students were enrolled in the Design-Your-Own stream of the Specialist program in Mathematics, and no students were enrolled in the Design-Your-Own stream of the Specialist Co-operative program in Mathematics. It is anticipated that students currently in the Design-Your-Own stream of the Specialist in Mathematics will graduate by April 2020.

**For both the Specialist and Specialist Co-op programs in Mathematics:**

**1. Closing the Design-Your-Own streams**

Students who are already enrolled in the non co-op Design-Your-Own stream will be able to

complete it; there are no students enrolled in the co-op Design-Your-Own stream. All of the courses required to complete the streams will continue to be offered.

Any new, qualified students who might have been interested in either the non Co-op or Co-op Design-Your-Own streams will be able to take the non Co-op or Co-op Comprehensive streams instead. The requirements of these programs have been made more flexible to make this possible.

### **2. Changes to the Comprehensive streams**

The revised requirements will have no negative impact on students; instead, they will lend the program greater flexibility.

### **3. Changes to the Teaching streams**

The revised requirements will have no negative impact on students. All program courses, except MATC82H3, will continue to exist, and this course can be replaced by any C- or D-level course in CSC/MAT/STA.

The proposed changes will have no impact on any other programs at UTSC or the wider U of T.

## **5 Consultation**

Beyond the Computer & Mathematical Sciences faculty we have consulted with Physical and Environmental Sci. They are satisfied with the changes. Below is the response from Julian Lowman:

Dear Ragnar,

I don't see a good argument for trying to insist that first year Physics be included in the Math Specialist. I'm glad to hear that it remains an option.

Regarding first year courses, PHYA10 and PHYA21 remain the appropriate, most mathematical, options. In case you are considering any B or C level PHY options, I'd like to point out that PHYB21, Electricity and Magnetism and PHYC50 Electromagnetic Theory are very mathematical - just applied vector calculus as one of my colleagues put it.

Thanks for keeping us updated.

Sincerely,  
Julian

Julian Lowman, PhD

Associate Professor  
Associate Chair, Physics and Astrophysics (UTSC)  
Dept. of Physical and Environmental Sci.  
Also at: Department of Physics  
University of Toronto

phone: 416-208-4880  
e-mail: lowman@utsc.utoronto.ca

On Wed, 7 Jan 2015, Ragnar-Olaf Buchweitz wrote:

> Dear Colleagues,  
>  
> Due to some miscommunication on our side we missed out to consult  
> with you and your department earlier about two changes we wish to make to our  
> SPECIALIST PROGRAM IN MATHEMATICS (SCIENCE)  
>  
> The proposed changes, as they concern your programmes, are as follows:  
>  
> (1) Remove  
> PHYA10H3 Introduction to Physics IA  
>  
> PHYA21H3 Introduction to Physics IIA  
>  
> as required courses.  
>  
> (2) Include two PHY courses, more generally, as electives in the Math Specialist.  
>  
> This change was discussed broadly by all mathematics faculty last May and the intention is  
> to give students more flexibility when choosing courses in the mathematics specialist  
programme.  
>  
> Unfortunately it was only discovered now that the consultation with your department  
> was not done much earlier!  
>  
> As you will appreciate, now we need consensus very quickly, it being already very late  
> for such changes to occur for next year. We thus will appreciate a quick response.  
>  
> Thanks,  
>  
> Ragnar  
> -----  
> Ragnar-Olaf Buchweitz  
> Professor of Mathematics and

- > Associate Chair Mathematics & Statistics
- > Department of Computer and Mathematical Sciences
- > University of Toronto Scarborough
- > 1265 Military Trail
- > Toronto, ON, Canada
- > M1C 1A4

## 6 Resources

No impact on resources. The closure of the Design-Your-Own stream will have no impact on faculty since the program will continue with three streams instead of four.

## 7 Governance Process

Levels of Approval Required	Date
Academic Unit Curriculum Committee	Sept. 5, 2014
Decanal Sign-Off	January 20, 2015
DUCC (Undergraduate) DGCC (Graduate)	January 23, 2014
UTSC Academic Affairs Committee	
Submission to Provost's Office	
AP&P – reported annually	
Ontario Quality Council – reported annually	

## Appendix A: Current Calendar Copy – showing changes

### SPECIALIST PROGRAM IN MATHEMATICS (SCIENCE)

*Supervisor of Studies:* E. Moore (416-287-7267) *Email:* emoore@utsc.utoronto.ca

#### Program Objectives

This program provides the student with a sound foundation in the main areas of mathematics, and some exposure to computer programming and statistics. It comprises ~~three~~ **four** streams: Comprehensive, Statistics **and** Teaching, ~~and Design-Your-Own~~, each serving a more specific goal.

The **Comprehensive Stream** provides a broad and deep knowledge of mathematics at the undergraduate level. It is the recommended program for students who plan to pursue graduate study in mathematics, but it is also suitable for any other career paths that require thorough training and education in mathematics.

The **Statistics Stream** provides greater exposure to statistics and the areas of mathematics most closely associated with it. This stream prepares students for careers in industry, or for graduate study in certain mathematically-oriented subjects, including statistics and financial mathematics.

The **Teaching Stream** is intended for students with a serious interest in mathematics but whose career objectives lie in mathematics education at the elementary or secondary level.

~~The Design-Your-Own Stream allows students to tailor their studies in mathematics to specific interests, with guidance from (and approval of) the program supervisor.~~

#### Program Requirements

The Program requirements consist of a core 15 courses (7.5 credits), common to all ~~three~~ **four** streams, and additional requirements that depend on the stream, for a total of ~~26-27~~ **28** courses (13.0-~~13.5~~ **14.0** credits).

The structure of the programs allows for easy switching between streams until relatively late. Consequently, these programs should not be viewed as rigidly separated channel's feeding students to different career paths, but as a flexible structure that provides guidance to students in their course selection based on their broad (but possible fluid) interests.

#### Core (7.5 credits)

##### 1. Writing Requirement (0.5 credit)(\*)

**One of:** ANTA01H3, ANTA02H3, (CLAA02H3), (CTLA19H3), CTLA01H3, ENGA10H3, ENGA11H3, ENGB06H3, ENGB07H3, ENGB08H3, ENGB09H3, ENGB17H3, ENGB19H3, ENGB50H3, ENGB51H3, GGRA02H3, GGRA03H3, GGRB05H3, (GGRB06H3), (HISA01H3), (HLTA01H3), ACMA01H3, (HUMA01H3), (HUMA11H3), (HUMA17H3), (LGA99H3), LINA01H3, PHLA10H3, WSTA01H3.

(\*) It is recommended that this requirement be satisfied by the end of the second year.



**2. A-level courses (2.5 credits)**

CSCA08H3 Introduction to Computer Science I or **CSCA20H3 Introduction to Programming**

~~CSCA67H3 Discrete Mathematics for Computer Scientists~~

**MATA67H3 Discrete Mathematics**

MATA23H3 Linear Algebra I

MATA31H3 Calculus I for Mathematical Sciences

MATA37H3 Calculus II for Mathematical Sciences

**3. B-level courses (3.5 credits)**

MATB24H3 Linear Algebra II

MATB41H3 Techniques of the Calculus of Several Variables I

MATB42H3 Techniques of the Calculus of Several Variables II

MATB43H3 Introductions to Analysis

MATB44H3 Differential Equations I

STAB52H3 Introduction to ~~Probability~~ **Probability(\*\*)**

STAB57H3 Introduction to Statistics (\*\*)

(\*\*) This course may be taken after second year, except for the Statistics stream.

**4. C-level courses (1 credit)**

MATC01H3 Groups and Symmetry

MATC34H3 Complex Variables

**A. Comprehensive Stream**

This stream requires a total of ~~28~~ **27** courses (~~14.0~~ **13.5** credits)

In addition to the core requirements 1-4 common to all streams, ~~13~~ **12** other distinct courses must be chosen satisfying all of the following requirements:

~~5. Elementary courses in closely related disciplines (1.5 credits): (\*\*\*)~~

~~CSCA48H3 Introduction to Computer Science II~~

~~PHYA10H3 Introduction to Physics IA~~

~~PHYA21H3 Introduction to Physics IIA~~

~~(\*\*\*) It is recommended that these be taken in first year.~~

**5 6. Additional courses in analysis and algebra (1.5 credits):**

MATC37H3 Introduction to Real Analysis

MATC46H3 Differential Equations II

MATD01H3 Fields and Groups

**6 7. Courses in key areas of mathematics (1.0 ~~1.5~~ credits):**

**Two** ~~Three~~ of:

MATC15H3 Introduction to Number Theory

MATC27H3 Introduction to Topology

**MATC63H3 Differential Geometry**

MATD02H3 Classical Plane Geometries and their Transformations

MATD34H3 Complex Variables II

**7 8. Mathematics of computation (1.0 ~~0.5~~ credit):**

**Two** ~~One~~ of:

- CSCC37H3 Introduction to Numerical Algorithms for Computational Mathematics
- CSCC63H3 Computability and Computational Complexity
- CSCC73H3 Algorithm Design and Analysis
- MATC09H3 Introduction to Mathematical Logic
- MATC16H3 Coding Theory and Cryptography**
- MATC32H3 Graph Theory and Algorithms for its Applications
- MATC44H3 Introduction to Combinatorics

**8.9. Electives** (1.5 ~~2.5~~ credits):

~~Three of:~~

- ~~C- or D-level MAT courses, excluding MATC82H3 and MATC90H3~~
- Five courses from CSC/MAT/STA/PHY of which at least 3 must be C- or D-level MAT courses (excluding MATC90H3).**

### **B. Statistics Stream**

This stream requires a total of 26 courses (13.0 credits).

In addition to the core requirements 1-4 common to all streams, 11 other distinct courses must be chosen, satisfying all of the following requirements (in choosing courses to satisfy requirements 7-9, students must select at least one D-level course).

**5. Algebra and Analysis** (1.5 credits):

- MATB61H3 Linear Programming and Optimization
- MATC46H3 Differential Equations II
- MATD01H3 Fields and Groups

**6. Regression Analysis** (0.5 credit):

- STAC67H3 Regression Analysis

**7. Discrete mathematics and geometry** (0.5 credit):

**One of:**

- MATC32H3 Graph Theory and Algorithms for its Applications
- MATC44H3 Introduction to Combinatorics
- MATD02H3 Classical Plane Geometries and their Transformations

**8. Upper-level MAT electives** (1 credit):

**Two of:**

- Any C- or D-level MAT courses (\*)

(\*) For students wishing to pursue graduate studies in Mathematics or Statistics it is recommended that MATC37H3 be chosen as one of these two courses.

**9. Upper-level STA electives** (2 credits):

**Four of:**

- (ACTB47H3) Introductory Life Contingencies
- Any C- or D-level STA course, excluding STAD29H3

### **C. Teaching Stream**

This stream requires a total of 26 courses (13.0 credits).

In addition to the core requirements 1-4 common to all streams, 11 other distinct courses must be chosen, satisfying all of the following requirements:

**5. Algebra, analysis, and geometry (1.5 ~~2~~ credits):**

MATC15H3 Introduction to Number Theory

~~MATC82H3 Mathematics for Teachers~~

MATD01H3 Fields and Groups

MATD02H3 Classical Plane Geometries and their Transformations

**6. Discrete mathematics (0.5 credit):**

**One of:**

MATC32H3 Graph Theory and Algorithms for its Applications

MATC44H3 Introduction to Combinatorics

**7. MAT electives (1.5 credits):**

**Three of:**

C- or D-level MAT courses

**8. MAT/STA/CSC electives (1.5 ~~2.0~~ credits):**

**Four ~~Three~~ of:**

C- or D-level MAT, STA, CSC courses, excluding STAD29H3

**It is recommended that students obtain a TA-ship within the Department of Computer & Mathematical Sciences.**

**~~D. Design Your Own Stream~~**

~~This stream requires a total of 26 courses (13.0 credits).~~

~~In addition to the core requirements 1-4 common to all streams, 11 other distinct courses must be chosen, satisfying the following requirement:~~

~~5. Electives (5.5 credits):~~

~~11 courses approved by the program supervisor. The core courses together with the approved electives must satisfy the degree requirement so that they include at least 12 courses (6 credits) at the C- or D-level, of which at least two (one credit) are at the D-level.~~

**SPECIALIST (CO-OPERATIVE) PROGRAM IN MATHEMATICS (SCIENCE)**

*Supervisor of Studies:* E. Moore (416-287-7267) *Email:* emoore@utsc.utoronto.ca

*Co-op Contact:* askcoop@utsc.utoronto.ca

**Program Objectives**

This program combines the coursework of the Specialist Program in Mathematics described above with paid work terms in public and private enterprises. It shares the goals and structure of the Specialist Program in Mathematics, including its **three ~~four~~** streams (Comprehensive, Statistics, **and** Teaching, ~~and Design Your Own~~), but complements study of the subject with considerable work experience.

**Admission Requirements**

Refer to the Program Admission requirements for the Specialist Program in Mathematics described above and the [Co-operative Programs](#) section in this *Calendar*. Students entering this program after first year must have a CGPA of at least 2.75.

**Program Requirements**

To remain in the program, a student must maintain a CGPA of 2.5 or higher throughout the program. To complete the program, a student must meet the work term and course requirements described below.

**Work Term Requirements**

Students must successfully complete three work terms, at most one of which can be during the summer. In addition, prior to their first work term, students must successfully complete the Arts & Science Co-op Work Term Preparation Activities. These include networking sessions, speaker panels and industry tours along with seminars covering resumes, cover letters, job interviews and work term expectations.

**Course Requirements**

The Co-operative Program can be taken in conjunction with any of the streams in the Specialist Program in Mathematics. The course requirements of the Co-operative Specialist Program in Mathematics are identical to those of the Specialist Program in Mathematics described above.

## Appendix B: Current Learning Outcomes, and Degree Level Expectations

Degree Level Expectations	Program Learning Outcomes – e.g. what students will know or be able to do at the completion of the program. Program Learning Outcomes should support the Degree Level Expectations.	How the program design / structure supports the degree level expectations.
<p><b>1. Depth and Breadth of Knowledge</b></p> <p>Depth of Knowledge: is attained through a progression of introductory, core and specialized courses. Specialized courses will normally be at the C and D levels.</p> <p>Breadth of Knowledge: students will gain an appreciation of the variety of modes of thinking, methods of inquiry and analysis, and ways of understanding the world that underpin different intellectual fields.</p>	<p>Depth and breadth of knowledge is understood in the Specialist/Specialist Co-op programs in Mathematics as acquiring a sound foundation in the main areas of mathematics, including, but not restricted to Algebra, Analysis, Geometry, and Number Theory, as well as some in-depth exposure to computer programming and statistics.</p> <p>This is reflected in students who master the foundations of mathematics and are able to rigorously construct proofs and to solve mathematical problems in an efficient and precise manner. The students will be able to pursue mathematical research as a career, be it in academia or industry. Those in the teaching stream will be well prepared for a career in mathematics education.</p>	<p>The program design and requirement elements in the Specialist/Specialist Co-op programs in Mathematics that ensure these student outcomes for depth and breadth of knowledge are:</p> <p>The course sequence and progression from A to D level courses is designed to provide increasing depth and sophistication. At each level, students are expected to engage the material with greater understanding and improved techniques of reasoning. Breadth is provided by ensuring students take courses in a broad spectrum of mathematics as well as in neighbouring disciplines.</p> <p>The program requirements include a writing component that ensures students can present proofs and problems clearly and communicate adequately. The A level courses have tutorials in which students are expected to speak and to learn to present solutions to problems.</p> <p>Students are taught by active researchers.</p>
<p><b>2. Knowledge of Methodologies</b></p> <p>Students have a working knowledge of different methodologies and approaches relevant to their area of study. They are able to evaluate the efficacy of different methodologies in addressing questions that arise in their area of study.</p>	<p>Students in the Specialist/Specialist Co-op programs in Mathematics are taught the methodologies in all central areas of mathematics and some of its applications.</p> <p>Students are expected to master those methodologies and accompanying</p>	<p>Each sequence of courses in the program is structured so that the students learn and apply the relevant methodologies in that area of mathematics. With increasing depth, a crucial role is played by working through textbooks and research-based publications and to explore rigorously relevant problems and exercises.</p>

	mathematical tools through exercises and problem solving.	
<p><b>3. Application of Knowledge</b></p> <p>Students are able to frame relevant questions for further inquiry. They are familiar with, or will be able to seek the tools with which, they can address such questions effectively.</p>	<p>Students in the Specialist/Specialist Co-op programs in Mathematics are expected to learn to think critically and how to address mathematical problems rigorously and efficiently in a wide variety of settings. “Mathematical Thinking” is the key to successful application of the acquired knowledge.</p>	<p>Supervised research and reading courses are available at the C- and D-levels (MATD10H3, MATD11H3, MATD12H3, Topics in Mathematics; MATD92 through MATD95H3) in which particularly motivated students in the Specialist/Specialist Co-op programs in Mathematics can work under guidance to be exposed to research questions and to engage in the research process.</p>
<p><b>4. Awareness of Limits of Knowledge</b></p> <p>Students gain an understanding of the limits of their own knowledge and an appreciation of the uncertainty, ambiguity, and limits to our collective knowledge and how these might influence analyses and interpretations.</p>	<p>It is a central theme of Mathematics that we “know that we don’t know” but that “we must and will know” through rigorous research and reasoning, developing new technologies and theories as required and appropriate.</p>	<p>Each area course discusses the problems of relevance and how they have been addressed previously, what the current status and limitations of knowledge are, and all the topical courses raise questions of what can and cannot be known with respect to their subject matter.</p>
<p><b>5. Communication Skills</b></p> <p>Students are able to communicate information, arguments, and analyses accurately and reliably, both orally and in writing. They learn to read and to listen critically.</p>	<p>Students in the Specialist/Specialist Co-op programs in Mathematics will be able to communicate clearly orally and in writing solutions to problems in various contexts, from teaching to research and industrial applications, to listen to talks and ask pertinent questions of speakers, and to write clearly and well.</p>	<p>Beginning with the tutorials in first year courses to research presentations on final projects in upper level courses, students learn how to present their mathematical thoughts clearly and consistently to varied audiences. Many students will further hone these skills through TA-ships in upper years.</p>
<p><b>6. Autonomy and Professional Capacity</b></p> <p>The education students receive achieves the following broad goals:</p> <ul style="list-style-type: none"> <li>• It gives students the skills and knowledge they need to become informed, independent and creative thinkers</li> <li>• It instills the awareness that knowledge and its applications are influenced by, and contribute to, society</li> <li>• It lays the foundation for learning as a life-long endeavour</li> </ul>	<p>As indicated in the Calendar, the Specialist/Specialist Co-op programs in Mathematics intend to provide the student with background preparation of sufficient breadth and depth to pursue specialized training at the graduate level. It is also designed to offer interested students a course structure as background for a wide range of mathematical careers.</p> <p>Mathematical skills and insights can be very widely applied, in many different settings. Qualified students such as</p>	<p>As HR specialists in various industries repeat again and again, they like to hire mathematically trained people, not necessarily for the knowledge acquired, but for the mindset and learned way to think that allows students so trained to find solutions to problems that today we don’t even know exist. While it is therefore crucial that the Specialist/Specialist Co-op programs in Mathematics equips the students with the tools and techniques of basic mathematics, more important is the training to approach, study, and then solve problems whose complexity may not be known at the outset. This is the primary goal of any instruction in mathematics at the university level.</p>

	those graduating from this program are in high demand everywhere, as is witnessed by the low unemployment rate of mathematically trained personnel throughout the world.	
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OFFICE OF THE CAMPUS COUNCIL

**FOR APPROVAL**

**PUBLIC**

**OPEN SESSION**

**TO:** UTSC Academic Affairs Committee

**SPONSOR:** Dean and Vice-Principal (Academic), Rick Halpern

**CONTACT INFO:** vpdean@utsc.utoronto.ca

**PRESENTER:** Vice-Dean, Undergraduate, Mark Schmuckler

**CONTACT INFO:** vicedean@utsc.utoronto.ca

**DATE:** Tuesday, February 10, 2015

**AGENDA ITEM:** 3 (f)

**ITEM IDENTIFICATION:**

Changes to UTSC Academic Regulations

1. Propaedeutic Rule
2. Combinations of Programs and Degree Conferred
3. Major Co-op programs must be combined with another Major program

**JURISDICTIONAL INFORMATION:**

The University of Toronto Scarborough Academic Affairs Committee (AAC) “is concerned with matters affecting the teaching, learning and research functions of the Campus” (*AAC Terms of Reference, Section 4*). The AAC has responsibility for academic regulations, including “approval of minor amendments of academic regulations that are consistent with University-wide policy” (*AAC Terms of Reference, Section 5.1 and 5.6*).

**GOVERNANCE PATH:**

1. **UTSC Academic Affairs Committee [For Approval] (February 10, 2015)**

**PREVIOUS ACTION TAKEN:**

No previous action in governance has been taken on this item.

**HIGHLIGHTS:**

In June 2014, the Vice-Dean, Undergraduate established a Working Group to review and revise the UTSC undergraduate academic Calendar. The group’s mandate includes improving the clarity of information contained in the Calendar, and as they have worked towards achieving this goal, several academic regulations and practices that require change have come to light. These items have been reviewed carefully by the Dean’s Office, and taken to the Chairs and Academic



*2015-16 Changes to Academic Regulations Report – for approval*

Directors for discussion and feedback. As part of the consultative process, these items have also been shared with the Academic Advising & Career Centre, and the Scarborough Campus Students' Union. Their feedback has been considered and, where appropriate, incorporated into the proposal.

This proposal seeks to change academic regulations regarding: (1) the propaedeutic rule, (2) the combinations of programs and degrees conferred, and (3) Major Co-op programs must be combined with another Major program.

**FINANCIAL IMPLICATIONS:**

There are no net financial implications to the campus operating budget.

**RECOMMENDATION:**

Be It Resolved,

THAT the proposed changes to academic regulations, as described in the package dated January 21, 2015 and recommended by the Dean and Vice-Principal (Academic), Professor Rick Halpern, be approved to be effective April 1, 2015 for the academic year 2015-16.

**DOCUMENTATION PROVIDED:**

1. 2015-16 Curriculum Cycle, Changes to Academic Regulations for Approval Report



## 2015-16 Curriculum Cycle Changes to Academic Regulations for Approval Report (for UTSC Academic Affairs Committee)

January 21, 2015

### 1. The Propaedeutic Rule

Students at UTSC may not register for credit in a course that is a specific prerequisite for a course they have already passed. This is called the propaedeutic rule. We consider the rule may unfairly disadvantage some students – for example, those who change their programs. Moreover, neither FAS nor UTM apply the propaedeutic rule.

Recommendation: Eliminate the propaedeutic rule from UTSC academic regulations.

### 2. Combinations of Programs and Degree Conferred

For the Honours BA and BSc degrees, the type of degree a student will receive is determined by the combination of programs they complete.

For students completing a Specialist program the pathway is clear – a Specialist BA program leads to an Honours BA degree, while a Specialist BSc program leads to an Honours BSc degree. Students completing a double Major, where one Major is a BA program and one a BSc program, may choose either the Honours BA or Honours BSc degree.

Students may also use a combination of a Major program and two Minor programs towards the completion of their degree requirements, and the type of degree they request can be determined by these Minor programs. For example, a student completing a Major BA program, and two Minor BSc programs, can choose either the Honours BA degree or the Honours BSc degree. Minor programs serve an important academic function, but by their very nature have limited academic breadth and depth, and allowing them to determine the type of degree students can request devalues the degree.

Recommendation:

The regulations regarding the combinations of programs and type of degree conferred be changed such that the type of degree will be determined only by the nature of the Specialist or Major program completed. For example:

- Students completing a Specialist BA program will received an Honours BA degree;
- Students completing a Major BA program and a Major BSc program may choose either the Honours BA or BSc degree;
- Students completing a Major BSc program and any combination of two Minor programs will receive an Honours BSc degree.

3. Major Co-op Programs must be combined with another Major Program

UTSC Degree Requirements state that students may use a combination of a Major program and two Minor programs towards the completion of their degree; however, in the Co-operative Programs General Information section of the Calendar, under *General Information*, it states: “Major Co-op Programs must be combined with another Major program.”

Academic units now question this practice, and want the option of combining Major Co-op programs with two Minor programs. Consultation with the Arts and Science Co-op Office indicates there is no academic reason to require students in a Major Co-op program to combine it with another Major program, and has signaled support for this change.

Recommendation:

Eliminate the requirement for students in a Major Co-op program to combine it with another Major program.



OFFICE OF THE CAMPUS COUNCIL

**FOR APPROVAL**

**PUBLIC**

**OPEN SESSION**

**TO:** UTSC Academic Affairs Committee

**SPONSOR:** Dean and Vice-Principal (Academic), Rick Halpern

**CONTACT INFO:** 416-208-7027, vpdean@utsc.utoronto.ca

**PRESENTER:** Vice-Dean, Undergraduate, Mark Schmuckler

**CONTACT INFO:** 416-208-2978, vicedean@utsc.utoronto.ca

**DATE:** Tuesday, February 10, 2015

**AGENDA ITEM:** 3 (g)

**ITEM IDENTIFICATION:**

Minor Modifications to Undergraduate Curriculum Requiring Approval- All Academic Units

**JURISDICTIONAL INFORMATION:**

University of Toronto Scarborough Academic Affairs Committee (AAC) “is concerned with matters affecting the teaching, learning and research functions of the Campus (AAC *Terms of Reference, Section 4*.” Under section 5.6 of its terms of reference, the Committee is responsible for approval of “Major and minor modifications to existing degree programs.” The AAC has responsibility for the approval of Major and Minor modifications to existing programs as defined by the University of Toronto Quality Assurance Process. (*UTQAP, Section 3.1*)

**GOVERNANCE PATH:**

1. **UTSC Academic Affairs Committee [For Approval] (February 10, 2015)**

**PREVIOUS ACTION TAKEN:**

No previous action in governance has been taken on this item.

**HIGHLIGHTS:**

This package includes all minor modifications to undergraduate curriculum requiring governance approval as submitted by all academic units, effective the 2015-16 academic year. Minor modifications to curriculum are understood as those that do not have a

*2015-16 Undergraduate Minor Modifications, all units – for approval*

significant impact on program or course learning outcomes. They require governance approval when they modestly change the nature of a program or course.

**FINANCIAL IMPLICATIONS:**

There are no net financial implications to the campus operating budget.

**RECOMMENDATION:**

Be It Resolved,

THAT all Minor Modifications to programs and courses submitted by UTSC undergraduate academic units, as described in the package dated January 28, 2015 and recommended by the Dean and Vice-Principal (Academic), Professor Rick Halpern, be approved effective April 1, 2015 for the academic year 2015-16.

**DOCUMENTATION PROVIDED:**

1. 2015-16 Curriculum Cycle: Minor Modifications for Approval Report, dated January 28, 2015



## 2015-16 Curriculum Cycle Undergraduate Minor Modifications for Approval Report (for UTSC Academic Affairs Committee)

January 28, 2015

### Department of Arts, Culture and Media

#### *Item 1: Program change – Major (Joint) in New Media Studies*

##### *Overview of Changes:*

- Move MDSB61H3 and MDSB62H3 from requirement 1 to requirement 2 (new); reduce the total credits required to complete requirement 1 from 2.0 to 1.0
- Add a new requirement 2: 1.5 credits in total comprised of MDSB61H3 and MDSB62H3 (moved from requirement 1) and MDSB63H3
- Total credits required to complete requirement 3 is reduced from 1.0 to 0.5
- Update the optional courses that can be used to complete requirement 4
- Remove note regarding eligibility from requirement 5

##### *Rationale:*

- The external review of the Major (Joint) program in New Media Studies, conducted in the 2013-14 academic year, pointed to the need for better integration of the UTSC and Centennial College components of the program. To address this issue, effective the 2015-16 academic year, students who are accepted into the Major (Joint) program in New Media Studies will attend Centennial during their second year of studies. An already required course – MDSB61H3 will be taken at UTSC during the fall semester of the second year because it is connected to the practice-based Centennial studies. MDSB62H3 (existing program requirement) and MDSB63H3 (new program requirement), which have a substantial practice-based digital project component, will be taken in year three. A table identifying which courses students should take, and where the courses are held, is being added to the introduction to the program (see Appendix A).
- Requirement 3 typically includes all MDS B- and C-level courses that are not already included in the program; rather than updating the list each year, the language has been revised to allow the list of courses to be removed; the requirement is reduced from 1.0 credit to 0.5 to accommodate the new requirement 2
- Requirement 4 has been edited to focus on courses outside Media Studies that have a substantial new media digital component in keeping with program learning outcomes.
- The note regarding eligibility is removed from requirement 5 because it is no longer relevant.

##### *Calendar Copy Showing Changes:*

#### MAJOR (JOINT) PROGRAM IN NEW MEDIA STUDIES (ARTS)

Undergraduate Advisor: 416-287-7184 Email: nme-undergrad-advisor@utsc.utoronto.ca

##### Program Requirements

Students must complete 9.0 full credits of which at least 2.0 must be at the C- or D-level; ~~including:~~

~~1. 2.0 full credits:~~

**1. 1.0 credits:**

MDSA01H3 Introduction to Media Studies  
MDSA02H3 History of Media and Technology  
MDSB61H3 Mapping New Media  
MDSB62H3 Visual Culture

2. 1.5 credits:

MDSB61H3 Mapping New Media  
MDSB62H3 Visual Culture and Communication  
MDSB63H3 Sound and Visual Media

~~2.~~ 1.0 additional full credit from the following:

3. 0.5 additional credits in MDS courses:

MDSB01H3 Human, Animal, Machine  
MDSB02H3 Anthropology of Language and Media: An Introduction  
MDSB03H3 Advertising and Consumer Culture  
MDSB05H3 Media and Globalization  
MDSB25H3 Political Economy of Media  
MDSB63H3 Sound and Visual Media  
MDSC01H3 Theories and Methods in Media Studies  
MDSC02H3 Topics in Media, Identities and Politics  
MDSC40H3 Chinese Media and Politics  
MDSC41H3 Media and Popular Culture in East and Southeast Asia  
MDSC53H3 Anthropology of Media and Publics  
MDSC62H3 Media and the World of Work  
MDSC63H3 Media Ethics  
MDSC64H3 Old Media, New: Film and Technology  
MDSC65H3 Online Gaming and Virtual Worlds  
MDS01H3 Senior Seminar: Topics in Media and Arts  
MDS02H3 Senior Seminar: Topics in Media and Society

~~3.~~ 4. 0.5 credit from the following:

CSCA08H3 Introduction to Computer Science I  
CSCA20H3 Computer Science for the Sciences Introduction to Programming  
ENGB70H3 Introduction to Cinema  
ENGC56H3 Literature and Media: From Page to Screen  
SOCC44H3 Media and Society  
VPAA06H3 Visual and Performing Arts Management in the Digital Age  
VPMC91H3 Introduction to Electronic Music  
VPMC97H3 Music, Technologies, Media  
VPSA62H3 Foundation Studies in Studio  
VPSA73H3 Video I  
VPSA74H3 Foundations in Digital Studio Practice Digital Studio I  
VPSB67H3 Photo I  
VPSB72H3 Digital Publishing  
VPSB75H3 Photo II  
VPSB76H3 Video II  
VPSB80H3 Digital Studio II Projects  
VPSB86H3 Sculpture and Technology  
VPSB87H3 Documentary Photography

VPSB88H3 ~~Introduction to~~ Sound Art  
 VPSB89H3 ~~Introduction to~~ Digital Animation II  
 VPSC52H3 Documentary Video  
**VPSC70H3 Theory and Practice: New Media in Studio**  
 VPSC89H3 Digital Animation II 2  
~~VPSC70H3 Theory and Practice: New Media in Studio~~  
 WSTB13H3 Gender, Media and Culture

**Note: Additional courses with a media focus offered by other programs and departments may be eligible to meet this requirement (with permission of program director).**

~~4.~~ **5.** 4.5 full credits from Centennial College:

New Media Group 1-:

~~Students will be eligible to enrol in New Media Group 1 courses after completing any 10 full credits including 2 full credits from category 1 and 0.5 credits from category 1 or 2.~~

NMEA01H3 Digital Fundamentals  
 NMEA02H3 Introduction to New Media Communications  
 NMEA03H3 The Language of Design  
 NMEA04H3 Interface Design, Navigation and Interaction I

New Media Group 2-:

[Students will be eligible to enrol in these courses after successfully completing all courses in New Media Group 1-]

NMEB05H3 Interface Design, Navigation and Interaction II  
 NMEB06H3 Project Development and Presentation  
 NMEB08H3 Application Software for Interactive Media  
 NMEB09H3 Sound Design  
 NMEB10H3 Design for New Media

~~5.~~ **6.** 1.0 full credit:

NMED01H3 New Media Senior Project  
 NMED20H3 Theory and Practice of New Media

Note: NMED01H3 and NMED20H3 are taught at UTSC. All other NME courses are taught at Centennial College.

## **Appendix A: Introduction to New Media Studies Section of the Calendar**

New Media Studies

### Faculty List

- G. Graffam, M.A., Ph.D. (Toronto), *Lecturer*
- M. Petit, M.A., Ph.D. (Colorado), *Senior Lecturer*

Program Director: M. Petit *Email:* new-media@utsc.utoronto.ca

~~New Media Studies critically analyzes the social, cultural, economic and political dynamics of new and emerging forms of media; how new forms of cultural representations are created, consumed, and shared through digital media; and the effects of digital technology on traditional media forms. The Joint~~



~~Program in New Media Studies combines critical study and interdisciplinary academic research at UTSC with the technical education and industry experience offered at Centennial College and the Centre for Creative Communication. Students study the theory, history, and practice of new media and take practice-based courses in multimedia design for Web and mobile applications as preparation for careers in Web communication and new media industries. In addition to earning a degree from University of Toronto, students can earn a certificate in New Media Design from Centennial College by completing one additional summer session that includes a new media internship and a professional practice course.~~

The Major (Joint) program in New Media Studies is a competitive-entry professionalization program designed to help students prepare for careers in Web communication and new media industries. It combines the academic study of media at UTSC with the technical education and industry experience provided through practice-based courses on multimedia design for Web and mobile applications at Centennial College. In addition to earning an Honours Bachelor of Arts degree from the University of Toronto, students can earn a certificate in New Media Design from Centennial College by completing one additional summer session, which includes a new media internship and a professional practice course. New Media classes at Centennial College are held at the Story Arts Centre (SAC) campus located at 951 Carlaw Avenue.

#### Program Admission

~~Enrolment in the program is limited: and A admission is by competitive application, due by May 1 each year, at the end of a student's first year, after the completion of 4.0 full credits. Students must have completed MDSA01H3 and MDSA02H3, and have a minimum a minimal 2.0 cumulative GPA of 2.0 to apply. To be competitive, students should have a 2.5 cumulative GPA and a 3.0 or higher GPA in Media Studies courses. Students must request admission to the program through ROSI and submit directly to the program director a Supplementary Application Form that includes an unofficial copy of their academic record, a personal statement of interest, and links (if any) to work published online. The deadline is May 1. Students may be required to attend an interview before an admission decision is made. All applicants will be notified in early June. For more details on application procedures, see the New Media Studies section of the Joint Program website:~~

~~[www.utsc.utoronto.ca/~jtprogs/newMedia.html](http://www.utsc.utoronto.ca/~jtprogs/newMedia.html)~~ Students are strongly advised to meet with the program director during their first year, and before preparing an application for admission. Students may be required to attend an interview with the program director before an admission decision is made. All applicants will be notified through ROSI in early June.

#### Notes:

- a. Although many students applying to the Major (Joint) program in New Media Studies have substantial digital portfolios, students are not required to have any advanced knowledge in new media design to apply or to be admitted.
- b. Students who are not accepted after their first year of studies may apply again at the end of their second year of studies; these students should continue to follow the requirements of the Major program in Media Studies.

For more details on application procedures, and a link to the Supplementary Application form, see the New Media Studies section of the Joint Program website:  
[www.utsc.utoronto.ca/~jtprogs/newMedia.html](http://www.utsc.utoronto.ca/~jtprogs/newMedia.html).

#### Guidelines for first year course selection

~~Students who plan to apply to the Joint Program in New Media Studies should take MDSA01H3~~

Introduction to Media Studies and MDSA02H3 History of Media and Technology in their first year. Students not admitted or those who plan to apply at the end of their second year should also take MDSB61H3 Mapping New Media and MDSB62H3 Visual Culture. MDSB63H3 Sound and Visual Media is also recommended. Students attend Centennial College during their third year and complete capstone new media studies courses at UTSC during their fourth year. The New Media Program overview is available at: [www.utsc.utoronto.ca/~humdiv/prg\\_newmedia.html](http://www.utsc.utoronto.ca/~humdiv/prg_newmedia.html)

Effective the 2015-16 academic year, students in the Major (Joint) program in New Media Studies will take classes at Centennial College in the Fall semester immediately after admission into the program.

Students admitted to the program must follow the course selection guidelines described in Table 1 below:

Table 1: Course Selection Guidelines

Year of Study	Fall Session	Winter Session
Year 1 (at UTSC)*  Note: students should also take ACMA01H3 during their first year)	MDSA01H3*  *MDSA01H3 is also offered in the Summer session.	MDSA02H3
Year 2 (at Centennial College)*  Notes: 1. Students must be enrolled full-time in year 2 of the program. 2. Due to the course and project work load in the Winter session, students are not permitted to take additional courses at UTSC.	MDSB61H3*  New Media Group 1:** NMEA01H3 NMEA02H3 NMEA03H3 NMEA04H3  *scheduled at UTSC **students must enrol in all courses in Group 1	New Media Group 2:** NMEB05H3 NMEB06H3 NMEB08H3 NMEB09H3 NMEB10H3  **students must enrol in all courses in Group 2
Year 3 (at UTSC)  Note: students complete their Media Studies electives in year 3 and year 4	MDSB63H3	MDSB62H3*  *MDSB62H3 is offered Fall and Winter
Year 4 (at UTSC)  Note: students complete their Media Studies electives in year 3 and year 4	NMED01H3	NMED20H3

Guidelines for computer and software selection

Students accepted in the Joint Program in New Media Studies are expected to purchase an industry standard laptop and obtain designated software and hardware. For current requirements see: [\(link\)](#)

Computer: 15-inch 2.3, 2.4, or 2.7GHz Apple MacBook Pro

Software: [Adobe Creative Suite or Adobe Cloud subscription] and [Microsoft Office or Office 365 subscription] and [Coda by Panic Software] and [Open source software as directed in class]

*Consultation:*

Approved by the Departmental Curriculum Committee. Consultation with Centennial College.  
Reviewed by the Dean's Office.

## Department of Biological Sciences

### *Item 1: Program change – Specialist (Joint) in Paramedicine*

*Overview of Changes:*

- Delete BIOC15H3 as a required courses in the requirement “2.0 Credits of Foundational Biology Courses”; this reduces the requirement from 2.0 credits to 1.5 credits
- Reduce the total number of credits required for the program from 17.0 to 16.5.

*Rationale:*

We propose to remove a third year course in Genetics (BIOC15H) from this program. The Joint program in Paramedicine presently has 17.0 full course equivalents required for program completion. This is a significantly more prescribed program than other specialist programs in the Biology Department and across the Campus. At this number of required courses, the options available to students to build breadth into their program is limited. Given the present number of Biology courses in the existing program, both the Biology Department and Centennial feel that the content covered in Genetics that is relevant to the Paramedicine program is already obtained through other course requirements. The removal of 0.5 credits from the program brings the program more in line with other specialist programs and will allow students more breadth options. The removal of Genetics does not compromise the academic success of the students in the program but rather provides students with the opportunity to explore more breadth in areas of individual student interest.

*Calendar Copy Showing Changes:*

SPECIALIST (JOINT) PROGRAM IN PARAMEDICINE (SCIENCE)

*Supervisor of Studies:* Shelley Brunt *Email:* paramedicine@utsc.utoronto.ca

This program consists of ~~17.0~~ 16.5 required credits and may be taken in fulfillment of the requirements of a four-year (20-credit) Honours Degree. Students taking this program must take an additional 3.0 credits of electives. When choosing electives keep in mind the minimum breadth requirements that must be met to complete a degree. It is advisable that, including electives, students plan to take 2.5 credits in each semester of their four year degree. Note that three of the PMD courses are 1 credit (Y courses) rather than 0.5 credit (H courses). Students who complete the requirements of the program will also qualify for the Paramedic Diploma from Centennial College. Students who have completed the requirements for Centennial's diploma are eligible to take the Ministry of Health exams required to qualify as a Primary Care Paramedic.

### Program Admission

Limited enrolment. Applicants must fill out a Paramedicine Declaration form. Prior to taking courses at Centennial College, students must also fill out a medical certificate and have current qualifications in CPR and standard first aid. Other non-academic requirements such as a vulnerable sector police check, fitness standards and face mask fit certification will also ultimately be required. Additional details regarding these requirements may be found at Centennial's website or by contacting Walter Tavares at Centennial College (WTavares@centennialcollege.ca). Applicants may arrange to complete some of these requirements during their first year of study at the University of Toronto Scarborough. For more information on admission and deadlines, see the Joint Programs with Centennial College section of this *Calendar*.

### Program Requirements

#### Notes:

1. In order to remain in the program, students must typically maintain a cumulative grade point average of at least 2.0. Students whose cumulative GPA falls below 2.0 should consult the program supervisor to discuss their options. Please note, space in some Centennial College courses is limited. Students who must repeat one of these courses and whose CGPA has fallen below 2.0 will be allowed to register in these courses only if space permits.
2. Suggested course sequences follow below.

#### 1.0 Credit of Introductory Biology Courses

BIOA01H3 Life on Earth: Unifying Principles

BIOA02H3 Life on Earth: Form, Function and Interactions

#### 1.5 Credits of Core Biology Courses

BIOB10H3 Cell Biology

BIOB11H3 Molecular Aspects of Genetic Processes

[(BIOB30H3) Mammalian Physiology I or BIOB34H3 Animal Physiology]

#### 2.0 **1.5** Credits of Foundational Biology Courses

~~BIOC15H3 Genetics~~

BIOC17H3 Microbiology

[BIOC21H3 Vertebrate Histology: Cells and Tissues or BIOC32H3 Human Physiology I]

BIOC34H3 Human Physiology II: Lecture

#### 1.0 Credit of Advanced Biology Courses

Choose From:

BIOD17H3 Seminars in Cellular Microbiology

BIOD26H3 Fungal Biology and Pathogenesis

BIOD29H3 Pathobiology of Human Disease

BIOD33H3 Comparative Animal Physiology

BIOD43H3 Animal Movement and Exercise

BIOD65H3 Pathologies of the Nervous System

BIOD96Y3 Directed Research in Paramedicine

#### 1.0 Credit of Introductory Chemistry Courses

CHMA10H3 Introductory Chemistry I: Structure and Bonding

CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms

#### 1.0 Credit of Introductory Psychology Courses

PSYA01H3 Introductory Psychology: Part I

PSYA02H3 Introductory Psychology: Part II

1.0 Credit of B-Level Psychology Courses

PSYB20H3 Introduction to Developmental Psychology

PSYB32H3 Abnormal Psychology

1.0 Credit of Statistics/Data Analysis Courses

[STAB22H3 Statistics I *or* PSYB07H3 Data Analysis in Psychology]

PSYC08H3 Advanced Data Analysis in Psychology

7.5 Credits of Paramedicine Courses

\*PMDB22H3 Pre-Hospital Care 1: Theory and Lab

\*PMDB25H3 Therapeutic Approaches to Behaviour in Crisis

\*PMDB30H3 Alterations of Human Body Function I

\*PMDB32Y3 Pre-Hospital Care 2: Theory, Lab and Clinical

\*PMDB33H3 Anatomy

\*PMDB36H3 Pharmacology for Allied Health Pre-requisite

\*PMDB41H3 Professional Issues, Research and Leadership

\*PMDC40H3 Alterations in Human Body Function II

\*PMDC42Y3 Pre-Hospital Care 3: Theory, Lab and Field

\*PMDC43H3 Medical Directed Therapeutics and Paramedic Responsibilities

\*PMDC54Y3 Pre-Hospital Care 4: Theory, Lab and Field

\*PMDC56H3 Primary Care Practice Integration and Decision Making

\*A grade of 60% is required in these courses both to pass the course and to maintain standing in the program. All PMD courses are taught at Centennial College. Note, some PMD courses require that 60% be achieved in all components of the course (i.e., lecture component, practical component, and clinical-placement component).

Suggested Program Sequence

Note: Students may also take courses in the summer, when offered. BIOB10Y3 may be taken in the summer in place of BIOB10H3 and BIOB11H3.

Year 1: Fall Session

1. BIOA01H3 Life on Earth: Unifying Principles
  2. CHMA10H3 Introductory Chemistry I: Structure and Bonding
  3. PSYA01H3 Introductory Psychology: Part I
  4. PSYB07H3 Data Analysis in Psychology (fall) & 0.5 credits of elective courses
- or*
- 1.0 credits of elective courses

Year 1: Winter Session

1. BIOA02H3 Life on Earth: Form, Function and Interactions
  2. CHMA11H3 Introductory Chemistry II; Reactions and Mechanisms
  3. PSYA02H3 Introductory Psychology: Part II
  4. STAB22H3 Statistics I & 0.5 credits of elective courses
- or*
- 1.0 credits of elective courses

Year 2: Fall Session

1. BIOB10H3 Cell Biology
2. PMDB33H3 Anatomy
3. PMDB22H3 Pre-Hospital Care 1: Theory and Lab
4. PMDB25H3 Therapeutic Approaches to Behaviour in Crisis
5. PMDB41H3 Professional Issues, Research and Leadership

Year 2: Winter Session

1. BIOB11H3 Molecular Aspects of Genetic Processes

2. PMDB30H3 Alterations of Human Body Function I
3. PMDB32Y3 Pre-Hospital Care 2: Theory, Lab and Clinical
4. PMDB36H3 Pharmacology for Allied Health Pre-requisite

Year 3: Fall Session

1. (BIOB30H3) Mammalian Physiology I or BIOB34H3 Animal Physiology
2. PMDC40H3 Alterations in Human Body Function II
3. PMDC42Y3 Pre-Hospital Care 3: Theory, Lab and Field
4. PMDC43H3 Medical Directed Therapeutics and Paramedic Responsibilities

Year 3: Winter Session

1. BIO17H3 Microbiology
2. BIO134H3 Human Physiology II: Lecture
3. PMDC54Y3 Pre-Hospital Care 4: Theory, Lab and Field
4. PMDC56H3 Primary Care Practice Integration and Decision Making

Year 4: Fall Session\*

- ~~1. BIO15H3 Genetics~~
- ~~2. 1. BIO121H3 Vertebrate Histology: Cells and Tissues or BIO132H3 Human Physiology I~~
- ~~3. 2. PSYB20H3 Introduction to Developmental Psychology~~
- ~~4. 3. PSYB32H3 Abnormal Psychology~~
- ~~5. 4. [BIOD33H3 Comparative Animal Physiology or BIOD65H3 Pathologies of the Nervous System or BIOD26H3 Fungal Biology and Pathogenesis or BIOD96Y3 Directed Research in Paramedicine\*]~~

Year 4: Winter Session\*

1. PSYC08H3 Advanced Data Analysis in Psychology
2. BIOD17H3 Seminars in Cellular Microbiology or BIOD43H3 Animal Movement and Exercise or BIOD29H3 Pathobiology of Human Disease
3. 0.5 credits of elective courses

\*Note: Students may take any 2 of these D-level courses to meet program requirements. The sequence here merely reflects current scheduling of courses in the various sessions.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

## **Centre for French and Linguistics**

### ***Item 1: Program change – Specialist in French (BA)***

*Overview of Changes:*

- Delete FREC45H3 and FRED46H3 as optional courses from requirement 2; add FREB46H3 as an optional course to requirement 2
- Reduce the total credits required for requirement 2 from 2.5 to 2.0
- Restructure requirements 4 and 5 to specify the courses students may take to complete them
- Increase the total credits required for requirement 5 from 1.0 to 1.5

*Rationale:*

A number of courses are being deleted in this cycle of curriculum. As a result, it is necessary to remove and add courses from/to the list of program requirements.

Additionally, by clearly outlining which courses belong to which areas of study, students will be able to choose their courses with ease and stream through the program better as they should be able to visualize a path from year 1 to year 4 more clearly.

*Calendar Copy Showing Changes:*

### SPECIALIST PROGRAM IN FRENCH (ARTS)

For curriculum inquiries, contact the CFL Undergraduate Assistant: [cfl-ua@utsc.utoronto.ca](mailto:cfl-ua@utsc.utoronto.ca)

This program is designed to provide students with a fundamental knowledge and grasp of principles and practices in core areas of French: language, grammar, linguistics, literature and culture.

Enrolment in the CTEP program in French has been suspended indefinitely. Students who enrolled at UTSC prior to the 2014 Summer Session should refer to the 2013/14 UTSC *Calendar*.

### Program Requirements

This program requires 12.0 credits as follows including at least 4.0 credits at the C- or D-level of which at least 1.0 must be at the D-level:

- 1) 4.0 credits consisting of:
  - [FREA01H3](#) Language Practice I
  - [FREA02H3](#) Language Practice II
  - [FREB01H3](#) Language Practice III
  - [FREB02H3](#) Language Practice IV
  - [FREC01H3](#) Language Practice V
  - [FREC02H3](#) Language Practice VI
  - [FRED01H3](#) Language Practice VII: Written French
  - [FRED06H3](#) Language Practice VIII: Oral French

(Except where substitution of other French credits is permitted for students with special proficiency in the French language)
- 2) 2.50 credits selected from:
  - [FREB44H3](#) Introduction to Linguistics: French Phonetics and Phonology
  - [FREB45H3](#) Introduction to Linguistics: French Morphology and Syntax
  - [FREB46H3](#) History of the French Language
  - [FREC12H3](#) Semantics: The Study of Meaning
  - ~~[FREC45H3](#) Morphology~~
  - [FREC46H3](#) Syntax II
  - [FREC47H3](#) Special Topics in Linguistics: Pidgin and Creole Languages
  - [FREC48H3](#) Sociolinguistics of French
  - ~~[FRED46H3](#) Field Methods in Linguistics~~
  - ([FRED49H3](#)) French Semantics
- 3) 1.5 credits selected from:
  - [FREB22H3](#) The Society and Culture of Québec
  - [FREB27H3](#) Modern France
  - [FREB28H3](#) The Francophone World
  - [FREB70H3](#) Cinema and the Francophone French-Speaking World (new title editorial)
  - [FREB84H3](#) Folktale, Myth and the Fantastic in the French-Speaking World
  - [FREC83H3](#) Cultural Identities and Stereotypes in the French-Speaking World



- 4) 3.0 credits in literature which must include:
- a) FREB50H3 Introduction to French Literature I
  - b) FREB35H3 Francophone Literature
  - c) 1.0 credit in literature from Quebec, selected from the following:
    - FREB36H3 The 20<sup>th</sup> Century Quebec Novel
    - FREB37H3 Contemporary Quebec Drama
    - FREC38H3 Topics in the Literature of Quebec (new title)
    - FRED14H3 Advanced Topics in the Literature of Québec (new)
  - d) 1.0 credit in French Literature, selected from the following:
    - FREB51H3 Literary History in Context: From the Middle Ages to the 17<sup>th</sup> Century
    - FREB55H3 Literary History in Context: 18<sup>th</sup> and 19<sup>th</sup> Centuries
    - FREC57H3 French Fiction of the 19<sup>th</sup> Century
    - FREC58H3 Literature of the Ancienne Regime
    - FREC63H3 Topics in French Literature: Encountering Foreign Cultures: Travel Writing in France
    - FREC64H3 French Fiction of the 20<sup>th</sup> and 21<sup>st</sup> Centuries (new)
    - FRED14H3 Advanced Topics in the Literature of Québec (new)

~~one full credit in French Canadian literature; one full credit in French literature (FREB50H3, FREB51H3 and FREB55H3 can fulfill this requirement); one half credit in literature from other parts of the French-speaking world excluding France and Canada, one half credit of your choice~~
- 5) 1.05 additional credits in French from either the above-mentioned courses (where not already taken) or from the list below:-
- FREB08H3 Practical Translation I
  - FREB11H3 French Langague in the School System
  - FREB17H3 Spoken French: Conversation and Pronunciation (new title)
  - FREB18H3 French in the Workplace (new title)
  - FREB20H3 Teaching Children's Literature in French
  - FREC11H3 Teaching French as a Second Language
  - FREC18H3 Translation for Busieness and Professional Needs

Note: Specialist students (including CTEP) cannot obtain more than 0.5 credit (out of 12.0) by taking a course in English. This does not include CTEP courses taught in English through OISE.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office

## **Department of Human Geography**

### ***Item 1: New Minor in City Studies***

#### **Executive Summary**

This is a proposal to introduce a new Minor in City Studies.

The Department of Human Geography currently offers Major and Major (Co-operative) programs in City Studies. UTSC students have commonly expressed an interest in a Minor program in City Studies. The proposed Minor will be particularly appealing to students who are interested in urban issues, and



will be an excellent companion program to the existing Minors in Geographic Information Science (GIS), and Public Law, as well as to proposed Minors in Urban Policy & Governance, Culture, Creativity & Cities, and Migration & Ethnic Diversity. It will also make be an excellent companion program to a number of Major and Specialist programs at UTSC. Moreover, we currently see many transfers by students in 3<sup>rd</sup> and 4<sup>th</sup> year to the Major program in City Studies; we anticipate that the proposed Minor will allow at least some of these students to add a focus on City Studies to their degree, without also delaying their graduation.

The proposed Minor requires no additional resources since it will draw entirely from existing City Studies and Urban Geography courses.

**Rationale**

We have frequently had requests for a Minor in City Studies, and we anticipate the program will be popular with UTSC students.

**Table 1: Undergraduate Enrolment Projections**

*We project incremental growth over the first 7 years of the new program, to a projected steady-state enrolment target of 90 in 2021-22.*

Level of study	Academic year 2015-16	Academic year 2016-17	Academic year 2017-18	Academic year 2018-19	Academic year 2019-20	Academic year 2020-21	Academic year 2021-22
1 <sup>st</sup> year	#	#	#	#	#	#	#
2 <sup>nd</sup> year	10	15	20	25	30	30	30
3 <sup>rd</sup> year	0	10	15	20	25	30	30
4 <sup>th</sup> year	0	0	10	15	20	25	30
<b>Total enrolment</b>	10	25	45	60	75	85	90

The proposed Minor will allow students who are taking a Major program outside of City Studies to combine their Major with two relevant and complimentary Minor programs: for example, the Major in Human Geography and Minors in GIS and City Studies; or the Major in Public Policy and Minors in Urban Public Policy and Governance and City Studies; or a Major in Sociology, and a Minor in GIS and Minor in City Studies. The proposed Minor in City Studies will also pair well with Specialist programs in social science. In this way, the proposed Minor creates more flexibility and learning options for UTSC students, with the added bonus of doing so without requiring any additional resources.

The proposed Minor is a subset of the existing Major program in City Studies. It requires students to complete 4.0 credits in total, including 2.0 credits at the C- or D-level.

- Requirement 1 – CITB02H3 (Foundations of City Studies) – is also a core course in the Major program
- Requirement 2 is similar to requirement 2 of the Major program
- Requirement 3 is similar to requirement 3 of the Major program

## Program Requirements

### *Admission Requirements*

None

### *Calendar Description*

#### MINOR PROGRAM IN CITY STUDIES (ARTS)

Students taking the Minor Program in City Studies should consider selecting most of their Applications program requirements from one area of focus: City Building, Community Development, or City Governance.

The program requires the completion of 4.0 credits as follows:

1. Foundations (0.5 credit):

CITB02H3 Foundations of City Studies

2. Core Courses (1.5 credits from the following):

GGRB05H3 Urban Geography

CITB01H3 Canadian Cities and Planning

CITB03H3 Social Planning and Community Development

CITB04H3 City Politics

CITB08H3 Economy of Cities

3. Applications (2.0 credits at the C- or D-level, from the following):

CITC01H3 Urban Communities and Neighbourhoods Case Study: East Scarborough

CITC03H3 Real Estate and the City

CITC04H3 Municipal and Planning Law in Ontario

CITC07H3 Urban Social Policy

CITC08H3 Cities and Community Development

CITC10H3 Selected Issues in City Studies

CITC12H3 City Structures and City Choices: Local Government, Management, and Policy Making

CITC14H3 Environmental Planning

CITC15H3 Taxing and Spending: Public Finance in Canadian Cities

CITC16H3 Planning and Governing the Metropolis

CITC17H3 Civic Engagement in Urban Politics

CITC18H3 Urban Transportation Policy Analysis

CITD01H3 City Issues and Strategies

CITD10H3 Seminar in Selected Issues in City Studies

GGRC10H3 Urbanization and Development

GGRC11H3 Current Topics in Urban Geography

GGRC12H3 Transportation Geography

GGRC13H3 Urban Political Geography

GGRC27H3 Location and Spatial Development

GGRC33H3 The Toronto Region

GGRC40H3 Megacities and Global Urbanization

GGRC48H3 Geographies of Urban Poverty

GGRC50H3 Geographies of Education  
 GGRD14H3 Social Justice and the City

**Learning Outcomes, and Degree Level Expectations**

<p><b>Degree Level Expectations</b></p>	<p><b>Program Learning Outcomes – e.g. what students will know or be able to do at the completion of the program</b></p> <p>[Clearly describe how the Program Learning Outcomes will support the degree level expectations]</p>	<p><b>How the program design / structure supports the degree level expectations</b></p> <p>[Clearly describe how the program design/structure will support the degree level expectations]</p>
<p><b>1. Depth and Breadth of Knowledge</b></p> <p>Depth of Knowledge: is attained through a progression of introductory, core and specialized courses. Specialized courses will normally be at the C and D levels.</p> <p>Breadth of Knowledge: students will gain an appreciation of the variety of modes of thinking, methods of inquiry and analysis, and ways of understanding the world that underpin different intellectual fields.</p>	<p>Depth and breadth of knowledge is understood in the Minor in City Studies as knowledge of the major focus of urban geography and city studies on contemporary urban challenges, social changes, economic changes, planning and public policy debates, and the structure and mechanisms of municipal and regional governance.</p> <p>This is reflected in students who are able to analyze urban processes and policy issues using a variety of qualitative and quantitative methods, and understand and interpret scholarly articles on the subject.</p>	<p>The program design and requirement elements that ensure these student outcomes for depth and breadth of knowledge are:</p> <p>CITB02H3 Foundations of City Studies (0.5 credit) provides an introduction to core concerns, research questions, and methods of City Studies.</p> <p>1.5 further credits at the B-level will provide the foundational knowledge as it relates to the main areas of concentration in City Studies at UTSC: City Building, City Governance, Community Development, and Urban Economics. Courses at the B-level also introduce key theoretical and methodological approaches to the study of cities, and provide training in core academic skills of critical reading, writing, and critical thinking.</p> <p>2.0 credits at the C- or D-level (Applications and advanced seminars) in both urban geography and city studies will give students the opportunity to explore more specialized topics related to city studies based on their academic interest and professional aspirations. C-level courses will provide opportunities for the application of core theories and research methods in more depth. D-level courses provide opportunities for more self-directed research projects.</p>
<p><b>2. Knowledge of Methodologies</b></p> <p>Students have a working knowledge of different methodologies and approaches relevant to their area of study. They are able to evaluate the efficacy of different methodologies in addressing questions that arise in their area of study.</p>	<p>The main methods that will be emphasized include critical thinking, research writing, policy analysis, and basic quantitative and qualitative social analysis.</p>	<p>B-level courses listed under Requirements 1 and 2 pay special attention to library research and critical reading and writing skills.</p> <p>Students will be required, with support, to explore and evaluate different social science research methods in Requirement 3.</p>

<p><b>3. Application of Knowledge</b></p> <p>Students are able to frame relevant questions for further inquiry. They are familiar with, or will be able to seek the tools with which, they can address such questions effectively.</p>	<p>More advanced courses will allow students to apply theories, tools, and methods introduced in the program’s core courses in more specialized research questions related to their specific academic interest.</p>	<p>At the B-level, students will be introduced to, and trained in, formulating research questions, conducting literature reviews, reviewing policy-relevant grey literature, and answering their research questions.</p> <p>Courses at the C-level will require students to conduct a piece of original research and communicate their research findings in oral and/or written form.</p>
<p><b>4. Awareness of Limits of Knowledge</b></p> <p>Students gain an understanding of the limits of their own knowledge and an appreciation of the uncertainty, ambiguity, and limits to our collective knowledge and how these might influence analyses and interpretations.</p>	<p>Students will be able to identify and explain different approaches to the study of cities, and discuss their limitations. More generally, student will be aware of the benefits and potential limitations of cross- or inter-disciplinary inquiries.</p>	<p>City Studies courses are cross-disciplinary, and as such emphasize different ways of knowing, the strengths and weaknesses of individual disciplines and methodologies, and the value of research collaboration across disciplines and with partners beyond the university.</p>
<p><b>5. Communication Skills</b></p> <p>Students are able to communicate information, arguments, and analyses accurately and reliably, both orally and in writing. They learn to read and to listen critically.</p>	<p>The Minor in City Studies will allow students to develop academic reading and writing skills, and give them the opportunity to communicate their research findings in both oral and written form to academic and non-academic audiences.</p>	<p>B-level courses with tutorials capped at 25 allow students to develop their basic academic reading writing, and communication skills. Careful assignment scaffolding, combined with incorporation of oral forms of research dissemination, at the C- and D- levels allows students to enhance their communication skills in a structured and supportive environment.</p>
<p><b>6. Autonomy and Professional Capacity</b></p> <p>The education students receive achieves the following broad goals:</p> <ul style="list-style-type: none"> <li>• It gives students the skills and knowledge they need to become informed, independent and creative thinkers</li> <li>• It instills the awareness that knowledge and its applications are influenced by, and contribute to, society</li> <li>• It lays the foundation for learning as a life-</li> </ul>	<p>The Minor program in City Studies will give students the opportunity to become informed and engaged urban citizens, knowledgeable of the institutional frameworks of city politics, community development, and public policy, economic development and governance in Canadian and comparative context.</p>	<p>Students will develop autonomous research capacity, and learn professional skills both in major independent research projects and in team-based projects that will require collaboration.</p> <p>City Studies C- and D-level courses focus on experiential education by including field trips, group assignments, presentations to community partners, guest speakers, panel discussions, mini-conferences, etc.</p> <p>The City Studies program enjoys existing unparalleled relationships and access to local decision makers and community actors, The Minor program in City Studies program will give students direct exposure to practitioners and practices of city building.</p>

long endeavour		
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### **Assessment of Teaching and Learning**

The methods for assessing students will be consistent with current practices in City Studies and Human Geography.

The emphasis at the B-level is breadth of knowledge in Canadian city studies, city politics, city planning, and city economics, and the acquisition of academic skills, critical thinking, critical reading, and writing. Midterm and final exams assess students' comprehension of the main conceptual frameworks and methodological tools for the study of cities. Short written assignments, including annotated bibliographies, reading journals, review essays, are designed to enhance students' basic academic and research skills in preparation for course work at more advanced study levels.

At the C- and D-level, the emphasis in learning assessment shifts from breadth to depth of knowledge and from exams to the application of knowledge in independent research assignments, including policy analysis, research proposals, research papers, the composition of policy briefs, and oral presentations. In our D-level courses, students' learning will be assessed entirely on their successful application of their research skills and expertise in a common urban policy related case study. Resembling a graduate seminar, these courses focus on active student participation in seminar discussions and the completion of an independent research project, including proposal, literature review, ethics review, data collection, data analysis, and the dissemination of findings in oral and written form, under close supervision and guidance of the instructor.

### **Resources**

#### ***Faculty requirements***

The proposed Minor in City Studies is a subset of the existing Major program in City Studies, the premier undergraduate program of the department of Human Geography.

We have a strong group of faculty who are committed to the growth and success of City Studies, and no additional faculty will be required to support this program. No additional TA support is expected to be necessary to support this program, as all the courses are being offered already. All the courses included in this proposed Minor are already being offered on a regular basis.

### **Consultation**

Approved by Departmental Curriculum Committee. Reviewed by the Dean's Office. Reviewed by the Decanal Undergraduate Curriculum Committee.

### ***Item 2: Program change – Major in Human Geography (BA)***

#### ***Overview of Changes:***

- Add a new requirement to complete 1.0 credit in foundational GGR courses (A-level) from a small bin of options. Courses are GGRA02H3 (moved from requirement 2 to requirement 1), GGRA03H3 and GGRA35H3; requirement 2 (formerly requirement 1) is reduced from 2.5 credits to 2.0 credits

- GGRA30H3 is changed from a required to an optional course in requirement 3 (formerly requirement 2); the list of optional GGR courses to complete requirement 3 is updated
- Requirement 4 (formerly requirement 3) is increased from 2.0 credits to 2.5 credits at the C- and/or D-level; the list of C and D-level GGR courses is deleted as redundant (students may choose any C- or D-level GGR courses to complete the requirement)
- Deletes former requirement 5; adds a new requirement #5 – students to complete 0.5 credit at the D-level

*Rationale:*

One of the major tasks of our curriculum committee this year was to reconsider the program requirements for the Major Program in Human Geography. We have created a simpler, clearer set of program requirements that better reflects the improved set of available courses, particularly in the A and B levels, and in Methods.

*Calendar Copy Showing Changes:*

MAJOR PROGRAM IN HUMAN GEOGRAPHY (ARTS)

Program Requirements

The Major Program in Human Geography requires a total of 7.0 full credits as follows:

1. Foundations of Human Geography (1.0 credit from the following)

GGRA02H3 The Geography of Global Processes

GGRA03H3 Cities and Environments

GGRA35H3 The Great Scarborough Mashup: People, Place, Community, Experience

2. Theory and Concepts in Human Geography (2.0 credits)

~~GGRA02H3 The Geography of Global Processes~~

GGRB02H3 The Logic of Geographical Thought

and

1.5 credits from:

GGRB05H3 Urban Geography

GGRB13H3 Social Geography

GGRB21H3 Environments and Environmentalisms

GGRB28H3 Geographies of Disease

GGRB55H3 Cultural Geography

3. ~~2.~~ Methods (1.0 credit from the following)

GGRA30H3 Geographic Information Systems (GIS) and Empirical Reasoning

and one of:

GGRB03H3 Writing Geography: From Good to Great

GGRB30H3 Fundamentals of GIS I

GGRB32H3 Fundamentals of GIS II

GGRC31H3 Qualitative Geographical Methods: Place and Ethnography

~~GGR270H Introductory Analytical Methods~~

~~GGR271H Social Research Methods~~

STAB22H3 Statistics I or equivalent

4. 3. Applications (at least 2.0 credits from among the following 2.5 credits)  
2.5 credits at the C- and/or D-level in GGR courses

5. Advanced Applications (0.5 credit)  
0.5 credit at the D-level in GGR courses

~~GGRC01H3 Supervised Readings in Human Geography~~

~~GGRC02H3 Population Geography~~

~~—GGRC09H3 Current Topics in Social Geography~~

~~GGRC10H3 Urbanization and Development~~

~~GGRC11H3 Current Topics in Urban Geography~~

~~GGRC13H3 Urban Political Geography~~

~~—GGRC21H3 Current Topics in Environmental Geography~~

~~GGRC22H3 Political Ecology Theory and Applications~~

~~GGRC24H3 Socio-Natures and the Cultural Politics of 'The Environment'~~

~~GGRC25H3 Land Reform and Development~~

~~GGRC26H3 Geographies of Environmental Governance~~

~~GGRC27H3 Location and Spatial Development~~

~~GGRC33H3 The Toronto Region—~~

~~GGRC40H3 Megacities and Global Urbanization~~

~~GGRC41H3 Current Topics in Human Geography~~

~~GGRC44H3 Environmental Conservation and Sustainable Development~~

~~GGRC45H3 Local Geographies of Globalization~~

~~GGRC48H3 Geographies of Urban Poverty~~

~~GGRC50H3 Geographies of Education~~

~~GGRC54H3 Human Geography Field Trip~~

~~GGRC56H3 Spaces of Travel: Unsettling Migration, Tourism, and Everyday Mobilities~~

~~GGRD01H3 Supervised Research Project~~

~~GGRD08H3 Research Seminar in Environmental Geography~~

~~GGRD09H3 Feminist Geographies—GGRD10H3 Health and Sexuality~~

~~GGRD11H3 Advanced Geographical Theory and Methods~~

~~GGRD19H3 Spaces of Multiraciality: Critical Mixed Race Theory~~

~~GGRD25H3 Research Seminar in Urban Spaces~~

4. 1.5 additional credits to be selected from GGRA03H3, or the courses listed in Requirements 1, 2 and 3 above.

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office

## Department of Management

### ***Item 1: Program change – Specialist (Co-operative) in Management and International Business (BBA)***

*Overview of Changes:*

- Delete MGAD80H3/(MGTC34H3) from requirement #1 of the program. With the deletion of this course, the total credits to complete the program is reduced by 0.5 credit (from: 17.0-17.5 depending on the courses taken, to: 16.5-17.0 depending on the courses taken)

- Delete POLA83H3 and POLA84H3 from the list of Complementary Electives

*Rationale:*

- A review of the program, with student input, revealed that MIB students have been taking more accounting courses than is required of students in other BBA coop programs. Since this additional accounting course requirement is not necessary for the MIB program, it is being removed to reduce the total number of credits required in the program, thus giving students greater flexibility in choosing courses to complete both their program and their degree. There is no impact on the program learning outcomes.
- POLA83H3 and POLA84H3 have been deleted because they are no longer being offered.

*Calendar Copy Showing Changes:*

**SPECIALIST CO-OPERATIVE PROGRAM IN MANAGEMENT AND INTERNATIONAL BUSINESS (BACHELOR OF BUSINESS ADMINISTRATION)**

*Academic Director:* Hugh Laurence Email: [mibss@utsc.utoronto.ca](mailto:mibss@utsc.utoronto.ca)

The Specialist in Management and International Business (MIB) is an exclusive co-op program that is designed to give students a broad exposure to all functional areas of Management while providing a unique understanding of the business world in a global context. Academically, the program requires a language development component and a number of specially designed courses emphasizing international business. Through the high-level curricular programming as well as the practical experiences abroad, students will experience an emphasis on cross-cultural communications and leadership while simultaneously maintaining a quantitative and analytical focus. Students will also have the opportunity to maintain a more general academic approach, or use their electives to focus in on a specific discipline within the Management Program.

**Program Admission:**

Enrolment in the program is limited, and students may only apply directly from secondary school. Under normal circumstances, transfer students and international students will not be considered for admission into the MIB program. The MIB is only offered as a Co-op program, and admissions will be based on the applicant's academic performance as well as a supplementary application and interview process. Interviews will be held in February, March and April for students who pass the initial screening. Successful students will demonstrate strength in academics, extra-curricular and volunteer activities, as well as an interest and focus on developing global competencies. For further information please see the Co-operative Programs section in this Calendar at [www.utsc.utoronto.ca/~registrar](http://www.utsc.utoronto.ca/~registrar) and the MIB section of the Management website:

<http://www.utsc.utoronto.ca/~mgmt/ManagementInternationalBusinessProgram.html>

**MIB Prep Course and Study Term:**

Students will complete a non-credit international co-op prep course COPD08Y3 in their first year, prior to the first approved work term. Students are also required to complete one study term outside of Canada, typically in their second or third year with an approved partner University, and will be required to complete some of the program requirements during this time. Although scholarships may be available, students are expected to budget for the additional costs of studying abroad.



**Work Term:**

This program requires four years of study along with three approved academically related work terms. At least one of the work terms must be outside of Canada. Students must complete 7.0 credits prior to the commencement of their first work term, which will likely be in Canada. The location of the international placements will vary according to student interest, availability of positions, practicability and safety of an area, as well as established international relationships. For further information about status in the co-op program, fees, and regulations, please see the Co-operative Programs section in this Calendar.

**Program Requirements:**

The Program requires the completion of ~~17.0~~16.5 to ~~17.5~~ 17.0 credits as part of a twenty-credit B.B.A. degree.

Note: A single course may only be used once to fulfill one of the following requirements:

1. ~~10.5~~ 10.0 to ~~11.0~~ 10.5 credits (depending on the combination of courses completed) in Management as follows:

MGIA01H3/(MGTB07H3) Principles of International Marketing  
 MGTA05H3 Foundations of Business Management or [(MGTA01H3/MGTA03H3) and (MGTA02H3/MGTA04H3)]  
 [MGTA36H3 Management Communications for Co-op or (MGTC36H3)]  
 MGAB01H3/(MGTB05H3) Introductory Financial Accounting I  
 MGIB01H3/(MGTD19H3) Global Marketing  
 MGAB02H3/(MGTB06H3) Introductory Financial Accounting II  
 MGIB02H3/(MGTB25H3) International Organizational Behaviour  
 MGAB03H3/(MGTB03H3) Introductory Management Accounting  
 MGFB10H3/(MGTB09H3) Principles of Finance  
 MGIB12H3/(MGTB22H3) International Human Resources  
 MGIC01H3/(MGTD48H3) International Corporate Strategy  
 MGIC02H3/(MGTC91H3) International Leadership Skills  
 MGOC10H3/(MGTC74H3) Analysis for Decision-Making  
 MGFC10H3/(MGTC09H3) Intermediate Finance  
 MGIC14H3/(MGTD01H3) International Business Ethics  
 MGOC20H3/(MGTC75H3) Operations Management: A Mathematical Approach  
 MGSC30H3/(MGTC31H3) The Legal Environment of Business I  
 MGFC50H3/(MGTC76H3) International Financial Management  
 MGID40H3/(MGTD21H3) Introduction to International Business Law  
 MGID79H3/(MGTD79H3) International Capstone Case Analysis  
~~MGAD80H3/(MGTC34H3) Accounting Issues in International Business~~

2. 1.0 credit in Calculus from:  
 [MATA32H3 and MATA33H3] strongly recommended, or  
 [MATA30H3/A31H3 and MATA35H3/A36H3/A37H3]

3. 3.0 credits in Economics for Management Studies as follows:  
 MGEA02H3/(ECMA04H3) Introduction to Microeconomics: A Mathematical Approach  
 MGEA06H3/(ECMA06H3) Introduction to Macroeconomics: A Mathematical Approach  
 MGEB02H3/(ECMB02H3) Price Theory: A Mathematical Approach  
 MGEB06H3/(ECMB06H3) Macroeconomic Theory and Policy: A Mathematical Approach  
 MGEB11H3/(ECMB11H3) Quantitative Methods in Economics I

MGEB12H3/(ECMB12H3) Quantitative Methods in Economics II

4. 0.5 additional credit in Economics for Management Studies from:  
MGEC61H3/(ECMC61H3) International Economics: Finance or  
MGEC62H3/(ECMC62H3) International Economics: Trade Theory

5. 2.0 credits (four H-courses) of Languages (LGG) or French (FRE) courses:  
At least three courses must be in the same language (either LGG or FRE); the fourth course may follow that same language or may be a different language. Please note that your language skill will be assessed by the FRENCH and LANGUAGES areas before being formally placed in a given section.

NOTE: In selecting options and electives, students should refer to the guidelines for program breadth and depth found in the Degree Requirements section of this Calendar.

Complementary Elective Courses (optional)

The following are some courses from other departments that can be used to complement the Specialist Program in Management and International Business. Students may want to consider these courses as potential electives. Please note that some of these courses require prerequisites which are not included in this program:

GASB30H3 Asian Religions and Culture  
ANTA02H3 Introduction to Anthropology: Society, Culture and Language  
ANTB20H3 Culture, Politics and Globalization  
GGRA02H3 The Geography of Global Processes  
IDSB01H3 Political Economy of International Development  
IDSC12H3 Economics of Small Enterprise and Microcredit  
~~(POLA83H3) Exploring Globalization~~  
~~(POLA84H3) Globalization and Governance~~  
POLB80H3 Introduction to International Relations

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office

## **Department of Physical and Environmental Sciences**

***Item 1: Program change – Specialist in Chemistry (BSc); Specialist (Co-operative) in Chemistry (BSc)***

*Overview of Changes:*

Add STAB22H3 (Statistic I) as a required course in the 1<sup>st</sup> year; delete a '0.5 credit' optional bin of courses in the 1<sup>st</sup> year

*Rationale:*

It has become obvious in recent years that the students enrolled in this program lack necessary quantitative statistical analysis skills. This was evident, for example, in B- and C-level analytical chemistry courses in which students struggled with statistical analysis (both during the lectures and while analyzing their own data collected during the labs) more than with the actual analytical chemistry

material. Based on this experience, we can anticipate similar problems in the future with courses in physical chemistry that will have laboratory component focused on collection and analysis of data. Thus, we believe that requiring 0.5 credits in statistical analysis would better prepare our students for the upper-level courses in this program.

*Calendar Copy Showing Changes:*

SPECIALIST PROGRAM IN CHEMISTRY (SCIENCE)  
SPECIALIST (CO-OPERATIVE) PROGRAM IN CHEMISTRY (SCIENCE)

*Supervisor:* Andre Simpson (416-287-7547) Email: andre.simpson@utoronto.ca

This Program is meant for students who are interested in obtaining a strong background in all aspects of modern chemistry.

Admission to Chemistry Specialist

Students may apply to this program after completing at least 4.0 FCE, including CHMA10H3, CHMA11H3, PHYA10H3, PHYA21H3, and 1.0 FCE in either MATA23H3, MATA30H3 or MATA36H3 with a cumulative grade point average (CGPA) of at least 2.0. Application for admission to the program is made to the registrar through ROSI in April/May and July/August. See the UTSC Registrar's website for information on program (Subject POST) selection at [www.utsc.utoronto.ca/subjectpost](http://www.utsc.utoronto.ca/subjectpost).

Program Requirements

The Program requires completion of 14.0 full credits as follows:

First Year:

CHMA10H3 Introductory Chemistry I: Structure and Bonding  
CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms  
MATA23H3 Linear Algebra I  
MATA30H3 Calculus I for Biological and Physical Sciences  
MATA36H3 Calculus II for Physical Sciences  
PHYA10H3 Introduction to Physics IA  
PHYA21H3 Introduction to Physics IIA

**STAB22H3 Statistics I**

and

0.5 full credit chosen from:

—ASTA01H3 Introduction to Astronomy and Astrophysics I: The Sun and Planets  
—ASTA02H3 Introduction to Astronomy and Astrophysics II: Beyond the Sun and Planets  
—BIOA01H3 Life on Earth: Unifying Principles  
—EESA06H3 Introduction to Planet Earth  
—EESB18H3 Natural Hazards  
—PSCB57H3 Introduction to Scientific Computing  
—STAB22H3 Statistics I

Second Year:

CHMB16H3 Techniques in Analytical Chemistry  
CHMB21H3 Chemical Structure and Spectroscopy  
CHMB23H3 Introduction to Chemical Thermodynamics and Kinetics: Theory and Practice  
CHMB31H3 Introduction to Inorganic Chemistry  
CHMB41H3 Organic Chemistry I

CHMB42H3 Organic Chemistry II  
 CHMB62H3 Introduction to Biochemistry  
 MATB41H3 Techniques of Calculus of Several Variables I

Third Year:

CHMC11H3 Principles of Analytical Instrumentation  
 CHMC16H3 Analytical Instrumentation  
 [CHMC20H3 Intermediate Physical Chemistry or CHMC21H3 Topics in Biophysical Chemistry]  
 CHMC31Y3 Intermediate Inorganic Chemistry  
 [CHMC41H3 Organic Reaction Mechanisms or CHMC42H3 Organic Synthesis]

Fourth Year:

PSCD02H3 Current Questions in Mathematics and Science  
 and  
 0.5 full credit in any C-level or 300-level CHM course not already taken  
 and  
 2.0 full credits in any D-level or 400-level CHM course including one of the following courses:  
 CHMD90Y3 Directed Research  
 CHMD91H3 Directed Research  
 CHMD92H3 Advanced Organic Chemistry Lab Course

***Item 2: Program change – Specialist in Environmental Geoscience (BSc); Specialist (Co-operative) in Environmental Geoscience (BSc)***

*Overview of Changes:*

- MATA35H3 is deleted as an option in first year requirements; MATA36H3 becomes a required course
- BIOB50H3 is changed from a required course to an optional course in the third year requirements
- Addition of a new required course to Year 3 - "EESB20H3 Sedimentology and Stratigraphy."
- EESC37H3 is moved from the third year to the fourth year requirements

*Rationale:*

- BIOB50H3 Ecology has been changed to an optional course in order to offer a required course in geosciences in Year 3.
- A new course in Sedimentology and Stratigraphy (EESB20H3) is required for Geoscience education and is a required course for P.Geo certification.

*Calendar Copy Showing Changes:*

SPECIALIST PROGRAM IN ENVIRONMENTAL GEOSCIENCE (SCIENCE)  
 SPECIALIST (CO-OPERATIVE) PROGRAM IN ENVIRONMENTAL GEOSCIENCE (SCIENCE)

Supervisor of Studies: M. ~~Dittrich~~ (416 208 2786) Email: ~~mdittrich@utsc.utoronto.ca~~  
 M. Meriano (416 208 2775) Email: [mmeriano@utsc.utoronto.ca](mailto:mmeriano@utsc.utoronto.ca)

This program has been designed to meet the expectations of the Association of Professional Geoscientists of Ontario (APGO) - the licensing and regulatory body responsible for ensuring that

geoscientists have the appropriate qualifications to practice. Students are encouraged to make careful choice of optional/elective courses to meet APGO requirements.

Please visit the APGO website for further information on requirements to become a Professional Geoscientist (P.Geo) in Ontario.

#### Program Requirements

Total requirements: 16.0 full credits of which 1.0 must be at the D-level as follows:

##### First Year:

EESA01H3 Introduction to Environmental Science  
 EESA06H3 Introduction to Planet Earth  
 BIOA01H3 Life on Earth: Unifying Principles  
 BIOA02H3 Life on Earth: Form, Function and Interactions  
 CHMA10H3 Introductory Chemistry I: Structure and Bonding  
 CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms  
 MATA30H3 Calculus I for Biological and Physical Sciences  
~~[MATA35H3 Calculus II for Biological Sciences or~~ MATA36H3 Calculus II for Physical Sciences or  
 MATA37H3 Calculus II for Mathematical Sciences]  
 [PHYA10H3 Introduction to Physics IA or PHYA11H3 Introduction to Physics IB]

##### Second Year:

CHMB55H3 Environmental Chemistry  
 EESB02H3 Principles of Geomorphology  
 EESB03H3 Principles of Climatology  
 EESB04H3 Principles of Hydrology  
 EESB05H3 Principles of Soil Science  
 EESB15H3 Earth History  
 EESB18H3 Natural Hazards  
 EESB19H3 Mineralogy  
 PSCB57H3 Introduction to Scientific Computing  
 STAB22H3 Statistics I

##### Third Year:

~~BIOB50H3 Ecology~~  
**EESB20H3 Sedimentology and Stratigraphy**  
 EESC03H3 Geographic Information Systems and Remote Sensing  
 EESC07H3 Groundwater  
 EESC13H3 Environmental Impact Assessment and Auditing  
 EESC20H3 Geochemistry  
~~EESC31H3 Principles of Glacial Sedimentology and Stratigraphy~~ **Glacial Geology**  
 EESC36H3 Petrology  
~~EESC37H3 Structural Geology~~  
 and  
 0.5 credit from the following:  
**BIOB50H3 Ecology**  
 EESC18H3 The Great Lakes: An Introduction to Physical Limnology  
 EESC19H3 Marine Systems

Fourth Year:

**EESC37H3 Structural Geology**

and

~~1.0~~ **0.5** full credit from the following:

EESC21H3 Urban Environmental Problems of the Greater Toronto Area

EESD02H3 Contaminant Hydrogeology

EESD06H3 Climate Change Impact Assessment

EESD09H3 Research Project in Environmental Science

EESD10Y3 Research Project in Environmental Science

EESD11H3 Process Hydrology

EESD13H3 Environmental Law and Ethics

EESD15H3 Cleaning Up Our Mess: Remediation of Terrestrial and Aquatic Environments

EESD19H3 Professional Development Seminars in Geoscience

and

1.0 full credit from any other EES courses

Strongly recommended: EESC16H3 **Field Methods** ~~Field Camp I~~ or EESD07H3 Field Camp II

## **Department of Political Science**

### ***Item 1: Program change – Specialist in Political Science (BA)***

#### *Overview of Changes:*

- Add POLB72H3 as a required course to requirement 2; add 0.5 credit to be chosen from the Political Theory area of focus to requirement 2; delete POLB70H3 and POLB71H3 as required course in requirement 2 – they become options as they are included in the Political Theory area of focus courses
- Delete POLB93H3 as an option in requirement 4
- Addition of Public Policy (PPG prefix) to requirement 6.
- Reduce the total credits for requirement 6 from 6.0 to 5.0
- Addition of a new requirement 7 – 1.0 credit in advanced applications

#### *Rationale:*

The Political Science External Review recommended a reduction to B-level requirements for the Political Science Major Program. While the number of required B-level courses will remain the same for the Political Science Specialists, changes to B-level courses (POLB80H3, POLB81H3, POLB93H3) are also being updated in this program.

The addition of “public policy” courses supports the shift of Public Policy to an independent Calendar section and the transition of POLC66H3, POLC67H3 and POLD64H3 to PPGC66H3, PPGC67H3 and PPGD64H3.

A new requirement (7) is added to clarify the D-level requirements for the program.

*Calendar Copy Showing Changes:*

**SPECIALIST PROGRAM IN POLITICAL SCIENCE (ARTS)**

Program Requirements Students must complete at least 12.0 full credits in Political Science including:

1. Introduction to Political Science (1.0 credit):

POLA01H3 Critical Issues in Politics I

POLA02H3 Critical Issues in Politics II

2. Political Theory (1.0 credit):

**POLB72H3 Introduction to Political Theory**

**0.5 credit from among the courses listed in the Political Theory area of focus**

~~POLB70H3 Classic Texts in Political Theory I~~

~~POLB71H3 Classic Texts in Political Theory II~~

3. Canadian Politics (1.0 credit):

POLB50Y3 Canadian Government and Politics

4. At least four of the following (2.0 credits):

POLB80H3 Introduction to International Relations I

~~POLB81H3 Global Issues and Governance~~ **Introduction to International Relations II**

POLB90H3 Comparative Development in International Perspective

POLB91H3 Comparative Development in Political Perspective

POLB92H3 Comparative Politics: Revolution, Democracy and Authoritarianism in Modern Europe

~~POLB93H3 Comparative Politics: Ethnic Conflict and Democratization in Europe After the Cold War~~

5. Methods (1.0 credit):

STAB22H3 Statistics I or equivalent

POLC78H3 Political Analysis I

6. Applications (~~6~~ **5.0** credits):

~~6~~ **5.0** credits in ~~political science~~ **POL (Political Science) or PPG (Public Policy) courses** at the C- and/or D-level, of which at least ~~1.0~~ **1.0** must be at the ~~D~~ **D**-level

**7. Advanced Applications (1.0 credit):**

**At least 1.0 credit in POL (Political Science) or PPG (Public Policy) courses at the D-level**

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.

**Item 2: Program change – Major in Political Science (BA)**

*Overview of Changes:*

- Add POLB72H3 as a required course to requirement 2; add 0.5 credit to be chosen from the Political Theory area of focus to requirement 2; delete POLB70H3 and POLB71H3 as required course in requirement 2 – they become options as they are included in the Political Theory area of focus courses

- Delete POLB93H3 as an optional course in requirement 4; reduce the total number of credits to complete requirement 4 from 2.0 to 1.0
- Increase the total credits required to complete requirement 6 from 2.0 to 2.5 credits; addition of Public Policy (PPG) prefix
- Add a new requirement 7 – 0.5 credit at the D-level in advanced applications courses

*Rationale:*

The Political Science External Review recommended a reduction in B-level requirements for the Political Science Major Program. To achieve this objective, requirement 4 has been reduced from 2.0 to 1.0 FCEs. The change reduces the number of required B-level courses from 4.5 to 2.5 credits.

Requirement 6 has been increased to 3.0 credits but with language that will allow students 1.0 flexible POL credit that can be chosen from any level of study. The existing requirements for C and D level courses remain at 2.0 credits. These changes bring the Political Science Major program at UTSC into closer alignment with the Major in Political Science at the St. George campus in providing students with some flexibility in choosing additional B, C, or D level courses.

The addition of “public policy” courses supports the shift of Public Policy to an independent Calendar section and the transition of POLC66H3, POLC67H3 and POLD64H3 to PPGC66H3, PPGC67H3 and PPGD64H3.

A new requirement (7) is added to clarify the D-level requirements for the program.

*Calendar Copy Showing Changes:*

MAJOR PROGRAM IN POLITICAL SCIENCE (ARTS)

Program Requirements Students must complete at least 8.0 full credits in Political Science including:

1. Introduction to Political Science (1.0 credit):

POLA01H3 Critical Issues in Politics I

POLA02H3 Critical Issues in Politics II

i. Political Theory (1.0 credit):

**POLB72H3 Introduction to Political Theory**

**0.5 credit from among the courses listed in the Political Theory area of focus**

~~POLB70H3 Classic Texts in Political Theory I~~

~~POLB71H3 Classic Texts in Political Theory II~~

ii. Canadian Politics (1.0 credit):

POLB50Y3 Canadian Government and Politics

iii. ~~At least four of the following~~ **At least two the following** (2-1.0 credits):

**POLB80H3 Introduction to International Relations I**

~~POLB81H3 Global Issues and Governance~~ **Introduction to International Relations II**

POLB90H3 Comparative Development in International Perspective

POLB91H3 Comparative Development in Political Perspective

POLB92H3 Comparative Politics: Revolution, Democracy and Authoritarianism in Modern Europe

~~POLB93H3 Comparative Politics: Ethnic Conflict and Democratization in Europe After the Cold War~~



iv. Methods (1.0 credit):

STAB22H3 Statistics I or equivalent

POLC78H3 Political Analysis I

6. Applications (2.5 ~~0~~ credits):

2.5 ~~0~~ credits in ~~political science~~ POL (Political Science) or PPG (Public Policy) courses of which at least 2.0 must be at the C- and/or D-level, of which at least 1.0 must be at the D-level

7. Advanced Applications (0.5 credit):

At least 0.5 credit in POL (Political Science) or PPG (Public Policy) courses at the D-level

*Consultation:*

Approved by the Departmental Curriculum Committee. Reviewed by the Dean's Office.



OFFICE OF THE CAMPUS COUNCIL

**FOR APPROVAL**

**PUBLIC**

**OPEN SESSION**

**TO:** UTSC Academic Affairs Committee

**SPONSOR:** Dean and Vice-Principal (Academic)  
Rick Halpern

**CONTACT INFO:** 416-208-7027, vpdean@utsc.utoronto.ca

**PRESENTER:** Vice-Dean, Graduate Education and Program Development,  
Bill Gough

**CONTACT INFO:** 416-208-2978, vdeangrad@utsc.utoronto.ca

**DATE:** Tuesday, February 10, 2015

**AGENDA ITEM:** 4

**ITEM IDENTIFICATION:**

Minor Modifications to Graduate Programs requiring approval submitted by the Graduate Department of Psychological Clinical Science

**JURISDICTIONAL INFORMATION:**

University of Toronto Scarborough Academic Affairs Committee (AAC) “is concerned with matters affecting the teaching, learning and research functions of the Campus (AAC *Terms of Reference, Section 4*).” Under section 5.6 of its terms of reference, the Committee is responsible for approval of “Major and minor modifications to existing degree programs.” The AAC has responsibility for the approval of Major and Minor modifications to existing programs as defined by the University of Toronto Quality Assurance Process. (*UTQAP, Section 3.1*)

**GOVERNANCE PATH:**

1. **UTSC Academic Affairs Committee [For Approval] (February 10, 2015)**

**PREVIOUS ACTION TAKEN:**

No previous action in governance has been taken on this item.

**HIGHLIGHTS:**

This package includes all minor modifications requiring governance approval to graduate programs in the Graduate Department of Psychological Clinical Science, to be effective

*2015-16 Minor Modifications of Graduate Programs – for approval*

as of the 2015-16 academic year. Minor modifications to curriculum are understood as those that do not have a significant impact on program or course learning outcomes. They require governance approval when they modestly change the nature of a program or course.

**FINANCIAL IMPLICATIONS:**

There are no net financial implications to the campus operating budget.

**RECOMMENDATION:**

Be It Resolved,

THAT all minor modifications to programs and courses submitted by the Graduate Department of Psychological Clinical Science, as described in the documentation dated January 20, 2015 and recommended by the Dean and Vice-Principal (Academic), Professor Rick Halpern, be approved effective April 1, 2015 for the academic year 2015-16.

**DOCUMENTATION PROVIDED:**

1. Minor Modification – Change to an Existing Graduate Program: Counselling and Clinical Psychology, Field in Clinical Psychology, M.A.
2. Minor Modification – Change to an Existing Graduate Program: Counselling and Clinical Psychology, Field in Clinical Psychology, Ph.D.
3. Calendar Entry Showing Changes: Psychological Clinical Science



# Psychological Clinical Science

## Faculty Affiliation

University of Toronto Scarborough (UTSC)

## Degree Programs Offered

Counselling and Clinical Psychology—MA, PhD

Fields:

- **Clinical Psychology** (offered by the Graduate Department of Psychological Clinical Science, UTSC)
- **Clinical and Counselling Psychology** (offered by the Department of Applied Psychology and Human Development, Ontario Institute for Studies in Education [OISE], St. George campus)

## Collaborative Programs

The following collaborative programs are available to students in participating degree programs as listed below:

1. **Aboriginal Health**
  - Counselling and Clinical Psychology (OISE), MA, PhD
2. **Addiction Studies**
  - Counselling and Clinical Psychology (OISE), MA, PhD
3. **Aging, Palliative and Supportive Care Across the Life Course**
  - Counselling and Clinical Psychology (OISE), MA, PhD
4. **Community Development**
  - Counselling and Clinical Psychology (OISE), MA, PhD
5. **Environmental Studies**
  - Counselling and Clinical Psychology (OISE), MA, PhD
6. **Sexual Diversity Studies**
  - Counselling and Clinical Psychology (OISE), MA, PhD
7. **Women and Gender Studies**
  - Counselling and Clinical Psychology (OISE), MA, PhD

## Overview

The Graduate Department of Psychological Clinical Science (UTSC) and the Department of Applied Psychology and Human Development (OISE) offer a graduate program in Counselling and Clinical Psychology (MA/PhD).

Field: Clinical and Counselling Psychology (MA, PhD) (offered by the Department of Applied Psychology and Human Development, OISE).

Field: Clinical Psychology (MA, PhD) (offered by the Graduate Department of Psychological Clinical Science, UTSC).

Note: Normally, students may not transfer between fields in the Counselling and Clinical Psychology program once admitted.

## Contact and Address

Web: [www.utsc.utoronto.ca/psych/graduate-training-clinical-psychology](http://www.utsc.utoronto.ca/psych/graduate-training-clinical-psychology)

Email: [clinical-psych@utsc.utoronto.ca](mailto:clinical-psych@utsc.utoronto.ca)

Telephone: (416) 208-4867

Graduate Department of Psychological Clinical Science  
University of Toronto Scarborough (UTSC)  
Science Wing, Room SW427D  
1265 Military Trail  
Toronto, Ontario M1C 1A4  
Canada

## Degree Programs

### Counselling and Clinical Psychology

The Counselling and Clinical Psychology program offers studies leading to the MA and PhD degrees. It is offered by the Department of Applied Psychology and Human Development (OISE), and the Graduate Department of Psychological Clinical Science at the University of Toronto Scarborough (UTSC).

This graduate program is intended for students seeking to pursue careers in research, teaching, and clinical practice. At the time of application, students will be required to identify a preference for a specific field and for a potential supervisor with whom they would work if admitted to the program. The program has two fields: Clinical Psychology offered primarily by UTSC; Clinical and Counselling Psychology offered primarily by OISE.

#### Field: Clinical Psychology

The field in Clinical Psychology is offered primarily by the Department of Psychological Clinical Science at UTSC.

Clinical Psychology at UTSC adheres to a Clinical Science model of training. Housed within the Graduate Department of Psychological Clinical Science, the primary and overriding objective of graduate training in Clinical Psychology at UTSC is to foster exceptional clinical scientists according to the highest standards of research and professional practice.

Graduate training in Clinical Psychology at UTSC has primary research strengths in the areas of clinical neuropsychology and neurosciences, personality and psychological assessment, and mindfulness- and acceptance-based psychotherapies. A unifying theme of faculty research in Clinical Psychology at UTSC is to advance the assessment and treatment of mental disorders, especially depressive and bipolar disorders, anxiety disorders, schizophrenia-spectrum disorders, borderline personality disorder, and neurocognitive disorders, such as dementia due to Alzheimer's or Parkinson's disease.

## Master of Arts

The full-time, two-year MA program is designed for applicants interested in working as researchers or practitioners in a variety of psychological and educational settings. This program enables students to apply for registration with the College of Psychologists of Ontario as a Psychological Associate. It also meets the needs of students who plan to apply to the PhD program in Counselling and Clinical Psychology.

### Minimum Admission Requirements

- Applicants are admitted under the General Regulations of the School of Graduate Studies. Applicants must also satisfy the Department of Psychological Clinical Science's additional admission requirements stated below.
- An appropriate bachelor's degree from a recognized university with at least an A- (or first-class standing) in the final two years of undergraduate study, and at least 4.0 to 6.0 full-course equivalents [FCEs] in psychology including statistics and some laboratory research experience. Students who are admitted to the program without 4.0 to 6.0 FCEs in required undergraduate coursework may be required to complete additional courses in the master's program. Applicants with a strong background in mathematics, computer science, statistics, biological science, or neuroscience are encouraged to apply.
- Competitive scores on General and Subject (Psychology) tests of the Graduate Record Examinations (GRE).
- Two academic letters of reference.
- A personal statement.
- Applicants whose primary language is not English and who graduated from a university where the language of instruction is not English must demonstrate proficiency in English. Applicants must complete the Test of English as a Foreign Language (TOEFL), or its equivalent according to SGS regulations, prior to submitting the application.

### Program Requirements

- The Clinical Psychology field for the MA in Counselling and Clinical Psychology consists of 5.0 FCEs of total coursework, which includes an ethics course, practicum-based courses, and a clinical practicum.
- Year 1: Fall courses: CPS 1601H, CPS 1701H, CPS 1901H  
Winter courses: CPS 1702H, CPS 1801H
- Year 2: Fall courses: CPS 1102H,  
Fall and Winter courses: CPS 1802H, CPS 1803H  
Winter courses: CPS 1101H,
- Students must complete a clinical practicum at a pre-approved placement site in the final summer of the program (CPS 2999H).
- Research thesis to be completed and orally defended in Year 2 of the program.

### Program Length

6 sessions full-time (typical registration sequence: F/W/S/F/W/S)

## Time Limit

3 years full-time

## Doctor of Philosophy

The PhD program is designed for applicants interested in a career as a clinical psychologist based on a Clinical Science model of training. Graduate training in Clinical Psychology at UTSC prepares graduates primarily for research careers as psychological clinical scientists in university and academic medical settings. The PhD program has research strengths in clinical neuropsychology and neurosciences, personality and psychological assessment, and mindfulness- and acceptance-based psychotherapies. It is distinguished by its innovative cross-disciplinary approach that emphasizes scientific innovation through novel research collaborations that push traditional boundaries in clinical psychology. Importantly, the program meets the needs of students who plan to engage in research, teaching, and/or evidence-based clinical practice. This program is intended to meet the registration requirements of the College of Psychologists of Ontario at the doctoral level.

The Counselling and Clinical Psychology program (Clinical Psychology field) is offered on a full-time basis, and progress in the program will be reviewed annually.

## Minimum Admission Requirements

- Applicants are admitted under the General Regulations of the School of Graduate Studies. Applicants must also satisfy the Department of Psychological Clinical Science's additional admission requirements stated below.
- A master's degree with specialization in Clinical Psychology (or its equivalent) from a recognized university, with a minimum A- average and excellent research performance.
- Two academic letters of reference.
- A personal statement.
- Applicants whose primary language is not English and who graduated from a university where the language of instruction is not English must demonstrate proficiency in English. Applicants must complete the Test of English as a Foreign Language (TOEFL), or its equivalent according to SGS regulations, prior to submitting the application.

## Program Requirements

The PhD program requires 6.0 full-course equivalents (FCEs) including three clinical placements, plus a thesis proposal, thesis, and thesis defense:

- 6.0 FCEs in clinical coursework, normally completed by the end of Year 2 (CPS 1103H [unless previously completed; students who have completed CPS 1103H will not have to replace this required course with an additional FCE], CPS 1201H, CPS 1301H, CPS 1401H, CPS 1501H, CPS 1809H, CPS 3801H, CPS 3901H), and including:
  - two separate part-time clinical placements during Years 1 and 2 (CPS 3999H, CPS 4999H)
  - clinical internship at a Canadian Psychological Association- or American Psychological Association-accredited clinical setting during Year 5 (CPS 5999Y)
- Thesis proposal, approved during Year 3 of the program

- Completed thesis
- Successful defence of the thesis at the Final Oral Examination.

The program length is five years, which includes a pre-doctoral internship.

### Program Length

5 years

### Time Limit

6 years

### Course List

CPS 1101H	Clinical Research Design (exclusion: APH 1263H Seminar in Research Methods for MA Students)
CPS 1102H	Statistical Techniques II (exclusion: APH 1287H Introduction to Applied Statistics)
CPS 1103H	Statistical Techniques II (exclusion: APH 1288H Intermediate Statistics and Research Design)
CPS 1201H	Neurobiological Bases of Behaviour
CPS 1301H	Cognitive-Affective Bases of Behaviour
CPS 1401H	Social and Interpersonal Bases of Behaviour
CPS 1501H	Personality
CPS 1601H	Psychopathology (exclusion: APH 3260H Psychopathology and Diagnosis)
CPS 1701H	Psychological Assessment I (exclusion: APH 3224H Individual Cognitive and Personality Assessment)
CPS 1702H	Psychological Assessment II
CPS 1801H	Psychotherapy (exclusion: APH 1202H Theories and Techniques of Counselling)
CPS 1802H	Applied Interventions in Clinical Psychology (exclusion: APD 1203Y Practicum I: Interventions in Counselling Psychology)
CPS 1803H	Practicum in Psychological Interventions (exclusion: APD 1203Y Practicum I: Interventions in Counselling Psychology)
CPS 1809H	Clinical Psychopharmacology
CPS 1901H	Ethics (exclusion: APH 1219H Ethical Issues in Professional Practice in Psychology)
CPS 2999H	Summer Practicum
CPS 3801H	Multi-Person Therapies (exclusions: APD 1261H Group Work in Counselling and APD 1228H Individual and Group Psychotherapy: Family and Couples Counselling)



CPS 3901H	The History and Practice of Clinical Psychology (exclusion: APH 3204H Contemporary History and Systems in Human Development in Applied Psychology)
CPS 3999H	Clinical Placement I
CPS 4999H	Clinical Placement II
CPS 5999Y	Internship (exclusion: APH 3268Y PhD Internship)

## Field: Clinical and Counselling Psychology

The field in Clinical and Counselling Psychology is offered primarily by the OISE Department of Applied Psychology and Human Development. This field is based on a bio-psycho-social model with an emphasis on diversity. It shares an emphasis with the other field on assessment and the treatment of psychopathology in adults and adolescents.

### Contact and Address

Web: [www.oise.utoronto.ca/aphd/](http://www.oise.utoronto.ca/aphd/)

Department of Applied Psychology and Human Development  
The Ontario Institute for Studies in Education (OISE)  
University of Toronto  
252 Bloor Street West  
Toronto, Ontario M5S 1V6  
Canada

## Master of Arts

This MA program is designed for applicants interested in working as researchers or practitioners in a variety of psychological and educational settings. This program enables students to apply for registration with the College of Psychologists of Ontario as a Psychological Associate. It also fulfils the requirements of students who plan to apply to the PhD program in Counselling and Clinical Psychology. The MA is taken on a full-time or part-time basis. However, students in the part-time program will be required to complete one year of full-time study to fulfil their degree requirements.

### Minimum Admission Requirements

- Applicants are admitted under the General Regulations of the School of Graduate Studies. Applicants must also satisfy the Department of Applied Psychology and Human Development's additional admission requirements stated below. An appropriate bachelor's degree in psychology or any appropriate bachelor's degree that would contain the psychology requirement equivalent (defined as 6.0 full-course equivalents [FCEs] in psychology, including 0.5 FCE in research methods, 0.5 FCE in statistics, and at least 3.0 FCEs at the third- and fourth-year levels). A standing equivalent to a University of Toronto A- or better in the final year.

### Program Requirements

- The MA consists of:
  - 4.0 FCEs of total coursework; every student's program of study includes courses in counselling theory, practice, assessment, ethics, personality and cognitive assessment skills, and research methodology.
  - 500 hours of practicum.
  - A master's thesis.
- Full-time option: Full-time, on-campus study is required from September to April, which represents the Fall and Winter sessions; however, students may begin their program of study in the preceding Summer session. Normally, 1.5 FCEs are taken in each of the Fall and Winter sessions and a maximum of 1.0 FCE in the Summer session. Under this option, it is expected that all degree requirements will be completed within two years.
- Part-time option: For this option, students can register as part-time students at the beginning of their program. However, they will be required to register as full-time students for one year of the program. In this option, students will normally take 1.0 FCE annually during the beginning of their program and 1.5 FCEs in each of the Fall and Winter sessions in their year of full-time study. Under this option, it is expected that all degree requirements will be completed within three years, up to a maximum of six years.

### Program Length

6 sessions full-time (typical registration sequence: F/W/S/F/W/S);  
9 sessions part-time

### Time Limit

3 years full-time;  
6 years part-time

## Doctor of Philosophy

The principal aim of this degree program is the development of research and theoretical knowledge in counselling and clinical psychology, assessment skills, and knowledge and training in professional issues. Students are expected to conduct advanced research and to develop professional knowledge and skills. Graduates will be prepared to assume a variety of positions in psychological teaching, research, and practice in universities, community settings and agencies offering psychological services, and in university or college counselling centres.

The Counselling and Clinical Psychology program offers both a full-time and flexible-time PhD, and progress in the program will be reviewed annually.

## Minimum Admission Requirements

- Applicants are admitted under the General Regulations of the School of Graduate Studies. Applicants must also satisfy the Department of Applied Psychology and Human Development's additional admission requirements stated below.

### Full-Time PhD

- An appropriate bachelor's degree in psychology or any appropriate bachelor's degree that would contain the psychology requirement equivalent (defined as 6.0 full-course equivalents [FCEs] in psychology, including 0.5 FCE in research methods, 0.5 FCE in statistics, and at least 3.0 FCEs at the third- and fourth-year levels), with a standing equivalent to a University of Toronto A- or better in the final year.
- A University of Toronto MA degree with specialization in Clinical and Counselling Psychology with a grade of A- or better, or its equivalent.

### Flexible-Time PhD

- Applicants to the flexible-time PhD option are accepted under the same admission requirements as applicants to the full-time PhD option. However, applicants to the flexible-time PhD should demonstrate that they are active professionals engaged in activities relevant to their proposed program of study.

### Program Requirements

- The PhD program requires a minimum of 5.0 FCEs, including practicum APD 3217Y and internship APD 3268Y. See details below.
- Practicum: Complete a 500-hour practicum in conjunction with the doctoral practicum course APD 3217Y.
- Internship: 2,000 hours of internship (APD 3268Y). All internship arrangements must be made in consultation with the Coordinator of Internship and Counselling Services.
- Comprehensive examination: In addition to normal course requirements, students will be examined systematically in general psychology and in professional psychology. The examination will normally be taken at the end of Year 2 of full-time study.
- Doctoral dissertation: All students must develop, complete, and defend in a Doctoral Final Oral Examination a doctoral dissertation supervised by a full-time member of the Counselling Psychology faculty. The content of such dissertation research may address theoretical issues applicable to counselling concerns and practice, relate to the development of programs in a variety of educational or applied settings, or in some other way contribute to the development and practice of counselling psychology.

### Program Length

5 years full-time; 6 years flexible-time

### Time Limit

6 years full-time; 8 years flexible-time

## Course List

APD 1201H	Personality Theories
APD 1202H	Theories and Techniques of Counselling
APD 1203Y	Practicum I: Interventions in Counselling Psychology

APD 1219H	Ethical Issues in Professional Practice in Psychology
APD 1263H	Seminar in Research Methods for MA Students
APD 1287H	Introduction to Applied Statistics
APD 1288H	Intermediate Statistics and Research Design
APD 3204H	Contemporary History and Systems in Human Development and Applied Psychology
APD 3215H	Seminar in Counselling Psychology: Part I
APD 3217Y	Practicum II: Interventions in Counselling Psychology
APD 3218Y	Research Seminar in Counselling
APD 3224H	Individual Cognitive and Personality Assessment
APD 3225Y	Assessment and Diagnosis of Personality and Psychopathology
APD 3260H	Psychopathology and Diagnosis
APD 3268Y	PhD Internship

## Graduate Faculty

### Full Members

Bagby, Michael - BA, MA, PhD, PhD  
 Fournier, Marc - BA, PhD  
 Ruocco, Anthony Charles - BS, MSc, PhD  
 Segal, Zindel - BA, MA, PhD  
 Uliaszek, Amanda Ann - BA, MA, PhD  
 Zakzanis, Konstantine - BA, MA, PhD

### Associate Members

Dere, Jessica - BA, MPsy, PhD  
 Erb, Suzanne - DPhil  
 Inzlicht, Michael - BS, MS, PhD  
 Ito Lee, Rutsuko - BA, PhD  
 Lee, Andy C H - BA, PhD

# University of Toronto Minor Modification – Change to an Existing Graduate Program

*This template should be used to bring forward all proposals for minor modifications to program or admissions requirements for existing graduate programs under the University of Toronto's Quality Assurance Process.*

<b>Program being modified:</b> <i>E.g. M.Sc.in Immunology,</i>	Counselling and Clinical Psychology, Field in Clinical Psychology, PhD
<b>Graduate Unit:</b>	Psychological Clinical Science, University of Toronto Scarborough
<b>Faculty / Academic Division:</b>	University of Toronto Scarborough
<b>Dean's Office Contact:</b>	Annette Knott, aknott@utsc.utoronto.ca
<b>Version Date:</b> <i>(please change as you edit proposal)</i>	January 20, 2015

## 1 Summary

	<i>Changing Admission Requirements</i>		<i>Renaming Field, Concentration or Emphasis</i>
x	<i>Changing Program Length or Requirements</i>		<i>Renaming of Program or Degree</i>
	<i>Changing Timing of Program Requirements</i>		<i>Creating a new Emphasis</i>
	<i>Adding/Removing Option (i.e. part-time, flex-time)</i>		<i>Changes to programs affecting a MOA</i>
<p><i>Summary:</i></p> <ol style="list-style-type: none"> <li><i>Add CPS1501H as a required course to the PhD. This will result in an increase in the required number of FCEs for the PhD from 5.5 to 6.0 FCEs.</i></li> </ol>			

## 2 Effective Date of Change

September 1, 2015
-------------------

### 3 Academic Rationale

As a result of altering the course sequence in the MA program, the faculty determined that the course in Personality (CPS1501H) should be moved from the MA to the PhD program (i.e., it could be taught in either program with minimal or no impact on learning outcomes of the programs). This will result in an increase in the required number of FCEs for the PhD program from 5.5 FCEs to 6.0 FCEs. This increase will not affect the time to completion.

### 4 Impact on Students

We do not anticipate any impact on current or incoming students because the PhD program has not yet begun (the first class will be admitted in September, 2015).

### 5 Consultation

Consultation has occurred with the program's Core Clinical Faculty. The executive committee also consulted with the Chair of the Department of Psychology at UTSC and the Acting Chair of the Department of Applied Psychology and Human Development at OISE, who are both in agreement with these changes to the PhD program.

### 6 Resources

Moving CPS1501H to the PhD program will not result in changes that require additional resources.

### 7 Governance Approval

<b>Unit Sign-Off</b> (Committee name and meeting date)	<b>November 27, 2014</b>
<b>Dean's Office Sign-Off</b> (Name and Date)	<b>January 20, 2015</b>
<b>Faculty/Division Council Approval (or delegated body) if applicable</b>	

## Appendix A: Calendar Entry

See attached.

# University of Toronto Minor Modification – Change to an Existing Graduate Program

*This template should be used to bring forward all proposals for minor modifications to program or admissions requirements for existing graduate programs under the University of Toronto’s Quality Assurance Process.*

<b>Program being modified:</b> <i>E.g. M.Sc.in Immunology,</i>	Counselling and Clinical Psychology, Field in Clinical Psychology, M.A.
<b>Graduate Unit:</b>	Psychological Clinical Science
<b>Faculty / Academic Division:</b>	University of Toronto Scarborough
<b>Dean’s Office Contact:</b>	Annette Knott, aknott@utsc.utoronto.ca
<b>Version Date:</b> <i>(please change as you edit proposal)</i>	January 20, 2015

## 1 Summary

	<i>Changing Admission Requirements</i>		<i>Renaming Field, Concentration or Emphasis</i>
x	<i>Changing Program Length or Requirements</i>		<i>Renaming of Program or Degree</i>
x	<i>Changing Timing of Program Requirements</i>		<i>Creating a new Emphasis</i>
	<i>Adding/Removing Option (i.e. part-time, flex-time)</i>		<i>Changes to programs affecting a MOA</i>
<p><i>Summary:</i></p> <ol style="list-style-type: none"> <li>1 <i>CPS1501H is being removed from the MA program and being added to the PhD program, resulting in a reduction in the FCEs for the MA program from 5.5 to 5.0 FCEs</i></li> <li>2 <i>Replace “course bundling” structure with a fixed sequence of courses</i></li> </ol>			

## 2 Effective Date of Change

September 1, 2015
-------------------

### 3 Academic Rationale

The Master's program in Clinical Psychology was approved in 2013. As it is still a relatively new program, the core Clinical Psychology Faculty are continually reviewing its structure and requirements to ensure it meets the needs and aspirations of our students and also the expectations of the College of Psychologists of Ontario.

The Executive Committee of the Clinical Psychology faculty (Chair, Director of Clinical Training, and Program Coordinator) recently reviewed the sequencing of the program with the goal of determining whether the current "bundling" approach (i.e., alternating which courses are taught every other year) optimized the existing program learning outcomes. After a complete discussion of the options, and consultation with the core Clinical Psychology Faculty, we have decided that students will benefit from taking a fixed sequence of courses, and have consequently decided to replace the "bundling" structure with a fixed sequence of courses.

Specifically, we have decided that students should always take requisite courses in CPS1601H (Psychopathology), CPS1801H (Psychotherapy) and CPS1701H (Psychological Assessment) during the first year of the program, which would better prepare them for their practical experiences in their second year at the Health and Wellness Centre at UTSC. As part of this reorganization of courses, we have also determined that CPS1501H (Personality) would not be necessary to offer in the MA degree program; instead, we decided to move this course to the PhD program. This will result in a reduction of FCEs in the MA program from 5.5 FCEs to 5.0 FCEs. This course reduction does not affect the time to completion.

### 4 Impact on Students

Continuing students who are currently the first year of the MA program, and not currently taking courses in CPS1601H (Psychopathology), CPS1801H (Psychotherapy) and CPS1701H (Psychological Assessment), will be grand-parented. Incoming students, however, will take a fixed sequence of courses as described in this minor modification document.

### 5 Consultation

Consultation has occurred with the program's Core Clinical Faculty. The executive committee also consulted with the Chair of the Department of Psychology at UTSC and the Acting Chair of the Department of Applied Psychology and Human Development at OISE, who are both in agreement with these changes to the MA program.

### 6 Resources

The executive committee consulted with the Chair of the Department of Psychology and the Vice-Dean, Graduate Education at UTSC, and approval was granted for faculty to teach one additional course in the program as well as for any necessary sessional instructors.



## 7 Governance Approval

<b>Unit Sign-Off</b> (Committee name and meeting date)	<b>November 27, 2014</b>
<b>Dean's Office Sign-Off</b> (Name and Date)	<b>January 20, 2015</b>
<b>Faculty/Division Council Approval (or delegated body) if applicable</b>	

## Appendix A: Calendar Entry

See attached.



UNIVERSITY OF  
**TORONTO**  
SCARBOROUGH

OFFICE OF THE CAMPUS COUNCIL

**FOR INFORMATION**

**PUBLIC**

**OPEN SESSION**

**TO:** UTSC Academic Affairs Committee

**SPONSOR:** Dean and Vice-Principal (Academic), Rick Halpern

**CONTACT INFO:** vpdean@utsc.utoronto.ca

**PRESENTER:** Vice-Dean, Undergraduate, Mark Schmuckler

**CONTACT INFO:** vicedean@utsc.utoronto.ca

**DATE:** Tuesday, February 10, 2015

**AGENDA ITEM:** 5

**ITEM IDENTIFICATION:**

Minor Curricular Modifications to Undergraduate Programs and Courses that do not Require Governance Approval- All UTSC Academic Units

**JURISDICTIONAL INFORMATION:**

University of Toronto Scarborough Academic Affairs Committee (AAC) “is concerned with matters affecting the teaching, learning and research functions of the Campus (AAC *Terms of Reference, Section 4*.” Under section 5.7 of its Terms of Reference, the Committee “receives annually from its assessors, reports on matters within its areas of responsibility.”

**GOVERNANCE PATH:**

1. UTSC Academic Affairs Committee [For Information] (February 10, 2015)

**PREVIOUS ACTION TAKEN:**

No previous action in governance has been taken on this item.

**HIGHLIGHTS:**

The Office of the Dean and Vice-Principle (Academic) reports, for information, all curricular changes to programs and courses that do not require governance approval.

Minor curricular modifications that do not require governance approval include:

- Changes to existing programs that do not impact the learning outcomes;
- Course deletions; and

*2015-16 Undergraduate Curriculum Changes for Information – All Units*

- Changes to existing courses that do not impact the learning outcomes.

**FINANCIAL IMPLICATIONS:**

There are no net financial implications to the campus operating budget.

**RECOMMENDATION:**

This item is presented for information only

**DOCUMENTATION PROVIDED:**

1. 2015-16 Curriculum Cycle: Course Deletions Table
2. 2015-16 Curriculum Cycle: Undergraduate Minor Modifications for Information Report, dated January 28, 2015



**2015-16 Curriculum Cycle**  
**Undergraduate Minor Modifications for Information Report: (for**  
*UTSC Academic Affairs Committee)*  
January 28, 2015

**Department of Anthropology**

***Note regarding consultation:***

All changes have been approved by the Departmental Curriculum Committee, and reviewed by the Dean's Office. Where changes may have had an impact on outside academic units, appropriate consultation has taken place.

***Item 1: Course change - ANTB15H3***

***Rationale:***

This course is double numbered with HLTB20H3. The pre-requisite has been added to ANTB15H3 to fully align the double-numbered pair.

***Calendar Copy Showing Changes:***

ANTB15H3 Contemporary Human Evolution and Variation

Basic to the course is an understanding of the synthetic theory of evolution and the principles, processes, evidence and application of the theory. Laboratory projects acquaint the student with the methods and materials utilized Biological Anthropology. Specific topics include: the development of evolutionary theory, the biological basis for human variation, the evolutionary forces, human adaptability and health and disease.

Science credit

Same as HLTB20H3

**Prerequisite: ANTA01H3 or [HLTA02H3 and HLTA03H3]**

Exclusion: ANT203Y, HLTB20H3

Breadth Requirement: Natural Sciences

***Item 2: Course change – ANTB19H3***

***Rationale:***

Updated to reflect changes made at the St. George campus.

*Calendar Copy Showing Changes:*

**ANTB19H3** Ethnography and the Comparative Study of Human Societies

This course introduces students to the theory and practice of ethnography, the intensive study of people's lives as shaped by social relations, cultural beliefs, and historical forces. Various topics, including religion, economics, politics, and kinship introduce students to key anthropological concepts and theoretical developments in the field.

Prerequisite: ANTA02H3

Exclusion: ANT204Y, **ANT207H1**

Breadth Requirement: Social & Behavioural Sciences

**Item 3: Course change – ANTC53H3**

*Rationale:*

This is a double-numbered course with MDSC53H3. The Media Studies group is submitting changes to MDSC53H3 – the changes to ANTC53H3 are necessary to ensure the double-numbered course remains aligned.

*Calendar Copy Showing Changes:*

**ANTC53H3** Anthropology of Media and Publics

How do media work to circulate texts, images, and stories? Do media create unified publics? How is the communicative process of media culturally-distinct? This course examines how anthropologists have studied communication that occurs through traditional and new media. Ethnographic examples drawn from several contexts.

Same as MDSC53H3

Prerequisite: [ANTB19H3 and ANTB20H3] or [MDSA01H3 **and MDSB05H3** and any 5.0 credits]

Exclusion: MDSC53H3

Enrolment Limits: 60

Breadth Requirement: Arts, Literature & Language

**Item 4: Course change – ANTD35H3**

*Rationale:*

Class size reduced to conform to other D-Level Anthropology courses.

*Calendar Copy Showing Changes:*

**ANTD35H3** Bioarchaeology

This course will focus on a new direction in anthropology, exploring the potential of skeletal remains in reconstructing past lifeways. This seminar style class will build upon concepts introduced in Human Osteology courses. Additionally, more advanced methods of reconstructing patterns of subsistence, diet, disease, demography and physical activity.

Prerequisite: [ANTC47H3](#) and [ANTC48H3](#)

Exclusion: ANT434H, ANT441H

Enrolment Limits: ~~45~~ 25  
Breadth Requirement: Natural Sciences

## Department of Anthropology – Health Studies Group

### ***Note regarding consultation:***

All changes have been approved by the Departmental Curriculum Committee, and reviewed by the Dean's Office. Where changes may have had an impact on outside academic units, appropriate consultation has taken place.

### ***Item 5: Program change – Major in Health Studies, Population Health (BSc); Major Co-op in Health Studies, Population Health (BSc)***

#### *Overview of Changes:*

- HLTC18H3 has been added an option for the program
- Three new D-level Topics courses being introduced this cycle have been added as options

#### *Rationale:*

HLT courses are added as options to give the program greater flexibility.

#### *Calendar Copy Showing Changes:*

MAJOR PROGRAM IN HEALTH STUDIES - Population Health (SCIENCE)  
MAJOR (CO-OPERATIVE) PROGRAM IN HEALTH STUDIES - Population Health (SCIENCE)

This program requires the completion of 8.0 credits, as described below.

#### **1.** 1.0 credit at A-level:

HLTA02H3 Foundations of Health Studies I  
HLTA03H3 Foundations of Health Studies II

#### **2.** ~~3.5~~ 0.5 credits at B-level as follows credit in Statistics:

STAB22H3 Statistics I

#### **3.** 3.0 credits at the B-level from the following:

HLTB15H3 Introduction to Health Research Methodology  
HLTB17H3 Conceptual Models of Health  
HLTB20H3 Contemporary Human Evolution and Variation  
HLTB21H3 Infectious Diseases  
HLTB22H3 Biological Determinants of Health  
PHLB09H3 Biomedical Ethics  
STAB27H3 Statistics II

4. 2.0 credits at C-level from **the following:**

ANTC40H3 Methods and Analysis in Anthropological Demography  
ANTC67H3 Foundations in Epidemiology  
ANTC68H3 Deconstructing Epidemics  
**HLTC18H3 Determinants of Health, and Health Disparities**  
HLTC21H3 Patterns of Health, Disease, and Injuries  
STAC32H3 Applications of Statistical Methods  
STAC50H3 Data Collection

5. 1.0 credit from **the following:**

GGRB28H3 Geographies of Disease  
HLTB16H3 Introduction to Public Health  
HLTC04H3 ~~Methods~~ **Critical Qualitative Health Research Methods**  
HLTC22H3 Health, Aging and the Life Cycle  
HLTC23H3 Issues in Child Health and Development  
HLTC24H3 Environment and Health

6. 0.5 credit **at the D-level** from **the following:**

ANTD16H3 Biomedical Anthropology  
HLTD01H3 Directed Readings in Health Studies  
HLTD02H3 Health Research Seminar  
HLTD04H3 Special Topics in Health  
HLTD05H3 Directed Research on Health Services and Institutions  
**HLTD11H3 Special Topics in Health\***  
**HLTD21H3 Special Topics in Health\***  
**HLTD22H3 Special Topics in Health\***

**\*NOTE Special Topics courses – topics will vary from Instructor to Instructor and will be posted on the Health Studies Website.**

***Item 6: Program change – Major in Health Studies, Health Policy (BA); Major Co-op in Health Studies, Health Policy (BA)***

*Overview of Changes:*

- IDSB04H3 and IDSC11H3 have been added as options to provide students with an introduction to global health.
- HLTC02H3, HLTC18H3 and HLTD06H3 are being added as options.
- D-level Topics courses being introduced this cycle have been added as options
- MGTA06H3 is being deleted as an option since the course may not be offered

*Rationale:*

- The two IDS courses will give students in the program an introduction to global health.
- HLT courses are added as options to give the program greater flexibility.
- MGTA06H3 is deleted as an option because the course has not been, and may not be, offered.

*Calendar Copy Showing Changes:*

MAJOR PROGRAM IN HEALTH STUDIES - Health Policy (ARTS)  
MAJOR (CO-OPERATIVE) PROGRAM IN HEALTH STUDIES - Health Policy (ARTS)

This program requires the completion of 8.0 credits, as described below.

1. 1.0 credit at A-level:

HLTA02H3 Foundations of Health Studies I  
HLTA03H3 Foundations of Health Studies II

2. ~~3.5 credits at B-level as follows~~ 0.5 credit in Statistics:

STAB22H3 Statistics I

3. 3.0 credits at the B-level from the following:

HLTB05H3 Introduction to Sport Management, Health and Environment  
HLTB15H3 Introduction to Health Research Methodology  
HLTB16H3 Introduction to Public Health  
HLTB17H3 Conceptual Models of Health  
HLTB40H3 Health Policy and Health Systems  
HLTB50H3 Introduction to Health Humanities  
IDSB04H3 International Health Policy Analysis\*  
MGTA06H3 Introduction to Health Management\*  
PHLB09H3 Biomedical Ethics

\*NOTE: ~~MGTA06H3~~ IDSB04H3 has prerequisites that are not part of this program.

4. 2.0 credits at C-level from the following:

HLTC02H3 Women and Health: Past and Present  
HLTC05H3 Social Determinants of Health  
HLTC18H3 Determinants of Health, and Health Disparities  
[HLTC40H3 Introduction to Health Economics or MGEC34H3/(ECMC34H3) Economics of Health Care]  
HLTC42H3 Emerging Health Issues and Policy Needs  
HLTC43H3 Politics of Canadian Health Policy  
HLTC50H3 The Human-Animal Interface  
IDSC11H3 Issues in International Health\*

\*NOTE: ~~MGTA06H3~~ IDSC11H3 has prerequisites that are not part of this program.

5. 1.0 additional credit at the C-level from the following:

HLTC04H3 ~~Methods~~ Critical Qualitative Health Research Methods  
HLTC22H3 Health, Aging and the Life Cycle  
HLTC24H3 Environment and Health  
HLTC44H3 Comparative Health Policy Systems

6. 0.5 credit at the D-level from the following:

HLTD01H3 Directed Readings in Health Studies  
HLTD02H3 Health Research Seminar  
HLTD04H3 Special Topics in Health  
HLTD05H3 Directed Research on Health Services and Institutions



HLTD06H3 Special Topics in Migration and Public Health

HLTD11H3 Special Topics in Health\*\*

HLTD21H3 Special Topics in Health\*\*

HLTD22H3 Special Topics in Health\*\*

HLTD50H3 Special Topics in Health Humanities

\*\*NOTE Special Topics courses – topics will be vary from Instructor to Instructor and will posted on the Health Studies Website.

**Item 7: Course change – HLT B-levels**

*Rationale:*

- Changing the ‘Recommended Preparation’ to prerequisites will ensure students are better prepared for these B-level courses.
- The restrictions in the enrolments limits have been updated.

*Calendar Copy Showing Changes:*

HLTB15H3 Introduction to Health Research Methodology

The objective of this course is to introduce students to the main principles that are needed to undertake health-related research. Students will be introduced to the concepts and approaches to health research, the nature of scientific inquiry, the role of empirical research, and epidemiological research designs.

Exclusion: (HLTA10H3)

~~Recommended Preparation: HLTA02H3 and HLTA03H3 and any Statistics course.~~

**Prerequisite: HLTA02H3 and HLTA03H3 and any Statistics course**

Enrolment Limits: 150; Restricted to students in health studies and health science programs (e.g. Human Biology, Mental Health Studies, ~~Paramedicine~~, Computer Science - Health Informatics stream, ~~Specialist in Management – Health Management stream~~, Health Studies).

Breadth Requirement: Social & Behavioural Sciences

HLTB16H3 Introduction to Public Health

This course will present a brief history about the origins and development of the public health system and its role in health prevention. Using a case study approach, the course will focus on core functions, public health practices, and the relationship of public health with the overall health system.

~~Recommended Preparation:~~ **Prerequisite: HLTA02H3 and HLTA03H3**

Enrolment Limits: Restricted to students in health studies and health science programs (e.g. Human Biology, Mental Health Studies, ~~Paramedicine~~, Computer Science - Health Informatics stream, ~~Specialist in Management – Health Management stream~~, Health Studies).

Breadth Requirement: Social & Behavioural Sciences

HLTB17H3 Conceptual Models of Health

Students will be introduced to the diverse theoretical dimensions of health conceptualization. This course will trace the historical development of health models through their origin in the 1970s to the present day life course perspective. Emphasis will be given to the development of Canadian health system models.

~~Recommended Preparation~~ **Prerequisite:** HLTA02H3 and HLTA03H3

Enrolment Limits: Restricted to students in health studies and health science programs (e.g. Human Biology, Mental Health Studies, ~~Paramedicine~~, Computer Science - Health Informatics stream, ~~Specialist in Management – Health Management stream~~, Health Studies).

Breadth Requirement: Social & Behavioural Sciences

HLTB20H3 Contemporary Human Evolution and Variation

Basic to the course is an understanding of the synthetic theory of evolution and the principles, processes, evidence and application of the theory. Laboratory projects acquaint the student with the methods and materials utilized Biological Anthropology. Specific topics include: the development of evolutionary theory, the biological basis for human variation, the evolutionary forces, human adaptability and health and disease.

Science credit

Same as ANTB15H3

Exclusion: ANTB15H3, ANT203Y

~~Recommended Preparation~~ **Prerequisite:** ANTA01H3 or [HLTA02H3 and HLTA03H3]

~~Enrolment Limits:~~ Restricted to students in health studies and health science programs (e.g. Human Biology, Mental Health Studies, ~~Paramedicine~~, Computer Science - Health Informatics stream, ~~Specialist in Management – Health Management stream~~, Health Studies).

Breadth Requirement: Natural Sciences

HLTB21H3 Infectious Diseases

This course considers the origins, antiquity, and impact of plagues on human societies from cultural, evolutionary, epidemiological, and ecological perspectives. The course will start with an introduction to disease ecology followed by a focus on historic, contemporary, and newly-emerging epidemics. The aim is to understand why “plagues” emerge and how their occurrence is intimately linked to human behavior. The main goal is to provide insight into the struggles of attaining disease control and the challenges of forecasting emerging plagues.

~~Recommended Preparation~~ **Prerequisite:** HLTA02H3 and HLTA03H3

Enrolment Limits: Restricted to students in health studies and health science programs (e.g. Human Biology, Mental Health Studies, ~~Paramedicine~~, Computer Science - Health Informatics stream, ~~Specialist in Management – Health Management stream~~, Health Studies).

Breadth Requirement: Natural Sciences

HLTB22H3 Biological Determinants of Health

This course is an introduction to the basic biological principles underlying the origins and development of both infectious and non-infectious diseases in human populations. It covers population genetics and principles of inheritance.

~~Recommended Preparation~~ **Prerequisite:** HLTA02H3 and HLTA03H3

Enrolment Limits: Restricted to students in health studies and health science programs (e.g. Human Biology, Mental Health Studies, ~~Paramedicine~~, Computer Science - Health Informatics stream, ~~Specialist in Management – Health Management stream~~, Health Studies).

Breadth Requirement: Natural Sciences

**HLTB40H3 Health Policy and Health Systems**

This course focuses on public and private financing mechanisms for health care in Canada, emphasizing provincial differences and discussing the systems in place in other developed nations. Topics will include the forces of market competition and government regulation as well as the impact of health policy on key stakeholders. Students will also learn how to apply simple economic reasoning to examine health policy issues.

~~Recommended Preparation~~ **Prerequisite:** HLTA02H3 and HLTA03H3

Enrolment Limits: Restricted to students in health studies and health science programs (e.g. Human Biology, Mental Health Studies, ~~Paramedicine~~, Computer Science - Health Informatics stream, ~~Specialist in Management – Health Management stream~~, Health Studies).

Breadth Requirement: Social & Behavioural Sciences

**HLTB50H3 Introduction to Health Humanities**

An introduction to human health through literature, narrative, and the visual arts. Students will develop strong critical skills in text-centered methods of analysis (i.e., the written word, visual images) through topics including representations of health, illness narratives, death and dying, patient-professional relationships, technoscience and the human body.

**Prerequisite:** HLTA02H3 and HLTA03H3

Recommended Preparation: Prior experience in humanities courses at the secondary or post-secondary level.

Breadth Requirement: Arts, Literature & Language

**Item 8: Course Change – HLTC02H3**

*Rationale:*

- Material in HLTB17H3 will be presented in HLTC02H3 which makes this change necessary and it will enable students to be better prepared for this course.

*Calendar Copy Showing Changes:*

**HLTC02H3 Women and Health: Past and Present**

This course uses historical, anthropological, philosophical approaches to further understand the relationships intertwining women, health and society. Women's interactions with the health sector will be examined. Particular attention will be devoted to the social and gender construction of disease and the politics of women's health.

~~Prerequisite: ANTC61H3 or IDSB04H3 or a B-level course in WST or [HLTA02H3 and HLTA03H3]~~ **HLTB17H3**

~~Recommended Preparation: WSTA01H3 and WSTA03H3~~

Breadth Requirement: Social & Behavioural Sciences

**Item 9: Course change – HLTC04H3**

*Rationale:*

This course in research methods is being updated to focus on qualitative methods because the analytic and conceptual resources of critical social sciences have been historically significant for studies of health, illness, and health care in Canada and around the world. The revisions are necessary to reflect the updated description of the sorts of subjects and approaches students can expect to learn and be exposed to in the Health Studies program.

*Calendar Copy Showing Changes:*

**HLTC04H3 ~~Methods~~ Critical Qualitative Health Research Methods**

Through this course, students learn how to create a methodologically sound health studies research proposal. Students are given the intellectual resources and practical skills to produce a proposal by the end of the semester. Students learn the fundamentals of research practice, explore various methodological approaches and designs, and learn how to report their research findings. An assumption framing this course is that the work accomplished through it can form the basis of the student's fourth year major research project in health studies. **Students will develop a curiosity and awareness about critical approaches to studying health and illness. They will learn what it means to be a critical qualitative health researcher. They will understand how to engage in transformative critical health research practice that questions taken-for-granted assumptions about the social world, and, in the process, students will develop new conceptual and applied skills. Students will draw from interdisciplinary knowledge sources to develop strategies for designing and carrying out critically informed health research projects.**

**Prerequisite: HLTB15H3**

**Recommended Preparation: Prior experience in social sciences courses**

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Science

***Item 10: Course change – HLTC18H3***

*Rationale:*

- The prerequisite is being revised so that students will be better prepared for the course.
- The restrictions in the enrolments limits have been updated.

*Calendar Copy Showing Changes:*

**HLTC18H3 Determinants of Health, and Health Disparities**

This course will introduce students to the population health approach (including health policy) that takes action on the factors, and the interrelationships between factors, that contribute to health and health disparities. Key determinants of health as described by the Public Health Agency of Canada will be examined using case studies.

**Prerequisite: ~~HLTA02H3 and HLTA03H3~~ HLTB22H3 or HLTC05H3 [Note: HLTC05H3 may also be taken as a co-requisite]**

**Recommended Preparation: Prior experience in the biological sciences at the post-secondary level.**

**Enrolment Limits: 60; Restricted to students in health studies and health science programs (e.g. Human Biology, Mental Health Studies, ~~Paramedicine~~, Computer Science – Health Informatics stream, ~~Specialist in Management – Health Management stream~~, Health Studies).**

**Breadth Requirement: Natural Sciences**

***Item 11: Course change – HLTC24H3***

*Rationale:*

- The Pre-requisite is added to bring HLTC25H3 in line with other HLT C-level courses.
- The restrictions in the enrolments limits have been updated.

*Calendar Copy Showing Changes:*

**HLTC24H3 Environment and Health**

Environmental issues are often complex and require a holistic approach where the lines between different disciplines are often obscured. The environment, as defined in this course, includes the natural (biological) and built (social, cultural, political) settings. Health is broadly defined to include the concept of well-being. Case studies will be used to illustrate environment and health issues using an ecosystem approach that includes humans as part of the ecosystem.

**Prerequisite:** HLTB22H3

**Exclusion:** (ANTB56H3), (HLTB04H3)

**Recommended Preparation:** ~~Prior experience in the biological sciences at the post-secondary level.~~

**Enrolment Limits:** ~~60; Restricted to students in health studies and health science programs.~~

**Breadth Requirement:** Natural Sciences

***Item 12: Course change – HLTD06H3***

*Rationale:*

HLTB16H3 and HLTC05H3 are needed to ensure students are adequately prepared for HLTD06H3.

*Calendar Copy Showing Changes:*

**HLTD06H3 Special Topics in Migration and Public Health**

The focus of this seminar is on public health as an institution and on the contemporary and historical practices related to migrants in Canada and globally. Practices include surveillance, screening, detention, and quarantine, among other forms of governance and regulation. Societal issues, social theory, and historic case studies drawn from literature, film and empirical research explore enduring questions and tensions related to the treatment of migrants by public health systems.

**Prerequisite:** [HLTB16H3 and HLTC05H3]; and 1.5 credits at the C-level in HLT courses; and a minimum CGPA of 2.5

**Recommended Preparation:** Courses in the social sciences (ANT, HLT, <IDS, <CIT, <GGR, POL, SOC)

**Enrolment Limits:** 30

**Breadth Requirement:** History, Philosophy & Cultural Studies

## Department of Arts, Culture and Media

### *Note regarding consultation:*

All changes have been approved by the Departmental Curriculum Committee, and reviewed by the Dean's Office. Where changes may have had an impact on outside academic units, appropriate consultation has taken place.

### **Item 1: Program change – Specialist (Joint) in Journalism (BA)**

#### *Overview of Changes:*

- Replace MDSA02H3 with MDSA01H3 in requirement 1 of the program
- The note for requirement 5 is updated to reflect the replacement of MDSA02H3 with MDSA01H3

#### *Rationale:*

MDSA01H3 is replacing MDSA012H3 to simplify the options available.

#### *Calendar Copy Showing Changes:*

### SPECIALIST (JOINT) PROGRAM IN JOURNALISM (ARTS)

*Program Director:* J. Dvorkin (416-287-7163) *Email:* [journalism@utsc.utoronto.ca](mailto:journalism@utsc.utoronto.ca)

This program may be taken in fulfillment of the requirements of a four-year (20.0 credit) Honours B.A. Degree and requires four to five years to complete. In addition to completing the requirements for the degree, students who intend to qualify for the Advanced College Diploma from Centennial College must complete a short non-credit course on journalism career management at Centennial.

Courses are taught at both U of T Scarborough and at Centennial College (The **Story Arts** Centre for ~~Creative Communications~~ in East York). Centennial courses are taken during three consecutive college semesters starting in the third year of the program. Students must be registered on a full-time basis while at Centennial College. The course work may include evenings and weekends.

Students must maintain a Cumulative Grade Point Average (CGPA) of 2.0 or higher to remain in the program.

#### Guidelines for 1st year course selection

Students intending to complete the program should include the following in their first year course selection:

[MDSA02H3](#) and [JOUA01H3](#) & [JOUA02H3](#) and [ACMA01H3](#) & other courses of interest.

#### Guidelines for computer and software selection

Students accepted in the Joint Program in Journalism are advised to purchase an industry standard laptop and obtain designated software and hardware.

[Computer: 13-inch Apple MacBook Pro or laptop with Windows 7 or higher operating system which is capable of running the current version of Adobe software.](#)

[Software: Microsoft Office Suite \(Word, Excel, Powerpoint\), 2010 or more recent version, and Adobe Photoshop \(most recent version\).](#)

[For questions regarding camera equipment, please contact the Centennial College Program Coordinator.](#)

The Journalism Study Guide is available at: [www.utsc.utoronto.ca/~humdiv/prg\\_jo.html](http://www.utsc.utoronto.ca/~humdiv/prg_jo.html)

Note: Many of the new media courses codes have changed from MDS to JOU. See course descriptions.

#### Program Admission

Limited enrolment. Applicants must fill out a joint program application form, which is available online at [www.utsc.utoronto.ca/jtprogs](http://www.utsc.utoronto.ca/jtprogs)

#### Program Requirements

This program requires the completion of at least 13.5 credits, as indicated below:

1. 2.0 credits as follows:

~~MDSA02H3 History of Media and Technology~~ **MDSA01H3 Introduction to Media Studies**  
JOUA01H3 Introduction to Journalism I  
JOUA02H3 Introduction to Journalism II  
ACMA01H3 Exploring Key Questions in Humanities

2. 2.5 credits as follows:

JOUB24H3 Journalism in the Age of New Media  
JOUB01H3 Covering Immigration and Transnational Issues  
JOUB02H3 Critical Journalism  
JOUB39H3 Fundamentals of Journalistic Writing  
ACMA02H3 Inquiry and Reasoning in the Humanities

3. 1.5 credits at the C- or D-level, of which at least 0.5 credit must be at the D-level. Selection of these courses may be made only after prior consultation with the Program Director.

4. Courses that satisfy the requirements of one Minor Program. Note: Courses used to meet this requirement may also be applied to Requirements 1) through 3).

5. 2.0 credits as follows (Journalism Group I):

[Note: students will be eligible to enrol in these courses after successfully completing at least 10.0 credits at the University of Toronto Scarborough (or obtaining permission of the Program Director), including ~~MDSA02H3~~, **MDSA01H3**, JOUA01H3, JOUA02H3, JOUB01H3, JOUB02H3, JOUB24H3, JOUB39H3, ACMA01H3, ACMA02H3]



- \*[JOUA06H3](#) Journalism Law and Ethics
- \*[JOUB11H3](#) News Reporting
- \*[JOUB14H3](#) Journalism Design
- \*[JOUB18H3](#) Imaging: Photography for Journalists

6. 2.5 credits as follows (Journalism Group II):

[Note: students will be eligible to enrol in these courses after successfully completing the courses from Journalism Group I above.]

- \*[JOUB03H3](#) Magazine/Freelance Journalism
- \*[JOUB05H3](#) Advanced Interviewing Techniques
- \*[JOUB10H3](#) News Laboratory I
- \*[JOUB17H3](#) Radio News
- \*[JOUB20H3](#) Multiplatform Journalism

7. 2.0 credits as follows (Journalism Group III )

[Note: students will be eligible to enrol in these courses after successfully completing the courses from Journalism Group II above.]

- \*[JOUC13H3](#) Beat Reporting
- \*[JOUC16Y3](#) News Laboratory II
- \*[JOUC17H3](#) Television News

8. \*[JOUC25H3](#) Field Placement

[Note: students will be eligible to enrol in this course after successfully completing Journalism Group III above.

9. [JOUD10H3](#) Senior Seminar in Journalism

\* A minimum grade of C- is required in these particular courses to pass and maintain standing in the program.

Completion of a three-week Career Management course is required to qualify for the Advanced College Diploma from Centennial College.

***Item 2: Program change – Major in Media Studies (BA)***

*Overview of Changes:*

- MDSC53H3 is added as an option to requirement 4 of the program. MDSC01H3 and MDSC02H3 are changed from requirements to options.
- Additional course options are added to requirement 6 of the program
- A note has been added to requirement 7 of the program

*Rationale:*

- Requirement 4 has been changed to provide more flexibility in choosing required C-level theory courses and to expedite students' ability to complete the program in 4 years.
- Requirement 6 has commonly included all of the B, C and D-level MDS courses not already listed in the program. Rather than continually updating the list, as new courses are developed and other courses are deleted, it makes more sense to change the language used to describe the requirement; there are no substantive changes to the nature of the program



*Calendar Copy Showing Changes:*

MAJOR PROGRAM IN MEDIA STUDIES (ARTS)

Undergraduate Advisor: Email: mds-undergrad-advisor@utsc.utoronto.ca

Program Requirements

Students must complete 8.0 full credits including 2.0 credits at the C- or D-level:

1. 1.5 credits:

ACMA01H3 Exploring Key Questions in the Humanities

MDSA01H3 Introduction to Media Studies

MDSA02H3 History of Media and Technology

2. 0.5 credit from the following:

MDSB05H3 Media and Globalization

MDSB25H3 Political Economy of Media

3. 0.5 credit from the following:

MDSB61H3 Mapping New Media

MDSB62H3 Visual Culture and Communication

MDSB63H3 Sound and Visual Media

4. 1.0 credit from the following:

MDSC01H3 Theories and Methods in Media Studies

MDSC02H3 Topics in Media, Identities and Politics

MDSC53H3 Anthropology of Media and Publics

5. 0.5 credit from the following:

MDSD01H3 Senior Seminar: Topics in Media and Arts

MDSD02H3 Senior Seminar: Topics in Media and Society

6. 3.5 additional credits in MDS courses from the following:

~~MDSB01H3 Human, Animal, Machine~~

~~MDSB02H3 Anthropology of Language and Media: An Introduction~~

~~MDSB03H3 Advertising and Consumer Culture~~

~~MDSB05H3 Media and Globalization (if not used above)~~

~~MDSB25H3 Political Economy of Media (if not used above)~~

~~MDSB61H3 Mapping New Media (if not used above)~~

~~MDSB62H3 Visual Culture (if not used above)~~

~~MDSC40H3 Chinese Media and Politics~~

~~MDSC41H3 Media and Popular Culture in East and Southeast Asia~~

~~MDSC53H3 Anthropology of Media and Publics~~

~~MDSC62H3 Media and the World of Work~~

~~MDSC63H3 Media Ethics~~

~~MDSC64H3 Old Media, New: Film and Technology~~

~~MDSC65H3 Online Gaming and Virtual Worlds~~

~~MDS01H3 Senior Seminar: Topics in Media and Arts (if not used above)~~

~~MDS02H3 Senior Seminar: Topics in Media and Society (if not used above)~~

7. 0.5 credit from the following:

ENGB70H3 Introduction to Cinema

ENGB75H3 Cinema and Modernity I

ENGB76H3 Cinema and Modernity II

ENGC56H3 Literature and Media: From Page to Screen

HISB12H3 The Classical World in Film

HISC08H3 Colonialism on Film

PSCA01H3 Communicating Science: Film, Media, Journalism, and Society

SOCC44H3 Media and Society

VPHB68H3 Art and the Everyday: Mass Culture and the Visual Arts

VPMB97H3 Film Music

VPMC97H3 Music, Technologies, Media

WSTB13H3 Gender, Media and Culture

WSTC16H3 Criminal Women: Gender, Justice and the Media

WSTC22H3 Women and Film

**Note: Additional courses with a media focus offered by other programs and departments may be eligible to meet this requirement (with permission of program director).**

***Item 3: Program change – Minor in Media Studies (Arts)***

*Overview of Changes:*

- Add a new requirement 3: 0.5 credit from MDSB61H3, MDSB62H3 and MDSB63H3 (moved from the old requirement 3)
- Combine the former requirement 3 (1.0 credit) and requirement 4 (1.0 credit) for a total of 2.0 credit in MDS courses; update the language used to describe the new requirement 4
- Delete requirement 5

*Rationale:*

- New requirement 3: A key learning outcome of the Media Studies Major and Minor is for students to use digital technologies to create media projects and thereby also acquire basic media production and dissemination skills as well as a better understanding of media platforms, rhetoric and logic. The courses listed in the new Requirement 3 have a substantial digital project, and the change ensures that both Majors and Minors take at least .5 credits that address this learning outcome.
- New Requirement 4: former requirement 3 (1.0 credit in MDS courses) and requirement 4 (1.0 credit in MDS courses) are combined for clarity and to accommodate the increasing number of MDS students and to reduce wait lists for current offerings. The former requirements included all of the B, C and D-level MDS courses not already listed in the program. Rather than continually updating the list, as new courses are developed and other courses are deleted, it makes more sense to change the language used to describe the requirement; there are no substantive changes to the nature of the program
- Requirement 5 is deleted because there are sufficient MDS courses to fully support a rigorous Minor. The change helps ensure that program learning outcomes are addressed for Minors.

*Calendar Copy Showing Changes:*

MINOR PROGRAM IN MEDIA STUDIES (ARTS)

Undergraduate Advisor: Email: mds-undergrad-advisor@utsc.utoronto.ca

Program Requirements

Students must complete 4.0 credits including 1.0 credit at the C- or D-level:

1. 1.0 credit from the following:

ACMA01H3 Exploring Key Questions in the Humanities

MDSA01H3 Introduction to Media Studies

2. 0.5 credit from the following:

MDSA02H3 History of Media and Technology

MDSB05H3 Media and Globalization

3. 0.5 credit from the following:

MDSB61H3 Mapping New Media

MDSB62H3 Visual Culture and Communication

MDSB63H3 Sound and Visual Media

~~3. 1.0 credit from the following:~~

4. 2.0 additional credits in MDS courses:

~~MDSB01H3 Human, Animal, Machine~~

~~MDSB02H3 Anthropology of Language and the Media: An Introduction~~

~~MDSB03H3 Advertising and Consumer Culture~~

~~MDSB25H3 Political Economy of Media~~

~~MDSB61H3 Mapping New Media~~

~~MDSB62H3 Visual Culture~~

~~MDSB63H3 Sound and Visual Media~~

~~4. 1.0 credit from the following:~~

~~MDSC01H3 Theories and Methods in Media Studies~~

~~MDSC02H3 Topics in Media, Identities and Politics~~

~~MDSC40H3 Chinese Media and Politics~~

~~MDSC41H3 Media and Popular Culture in East and Southeast Asia~~

~~MDSC53H3 Anthropology of Media and Publics~~

~~MDSC62H3 Media and the World of Work~~

~~MDSC63H3 Media Ethics~~

~~MDSC64H3 Old Media, New: Film and Technology~~

~~MDSC65H3 Online Gaming and Virtual Worlds~~

~~MDS01H3 Senior Seminar: Topics in Media and Arts~~

~~MDS02H3 Senior Seminar: Topics in Media and Society~~

~~5. 0.5 credit from the following:~~

~~PSCA01H3 Communicating Science: Film, Media, Journalism, and Society~~

~~ENGB70H3 Introduction to Cinema~~

~~ENGB75H3 Cinema and Modernity I~~

~~ENGB76H3 Cinema and Modernity II~~  
~~HISB12H3 The Classical World in Film~~  
~~VPHB68H3 Art and the Everyday: Mass Culture and the Visual Arts~~  
~~VPMB97H3 Film Music~~  
~~WSTB13H3 Gender, Media and Culture~~  
~~ENGC56H3 Literature and Media: From Page to Screen~~  
~~HISC08H3 Colonialism on Film~~  
~~SOCC44H3 Media and Society~~  
~~VPMC97H3 Music, Technologies, Media~~  
~~WSTC16H3 Criminal Women: Gender, Justice and the Media~~  
~~WSTC22H3 Women and FilmMedia Studies Programs~~

**Item 4: Program change – Minor in Music and Culture (Arts)**

*Overview of Changes:*

- In requirement 3: state that students must choose the graded option for any performance courses

*Rationale:*

The change closes a loop hole in the selection of elective courses by requiring that students choose the graded option when they choose to take performance courses as part of a Minor program. This is consistent with the Major program.

*Calendar Copy Showing Changes:*

**MINOR PROGRAM IN MUSIC AND CULTURE (ARTS)**

*Undergraduate Advisor: Email: [music-program-supervisor@utsc.utoronto.ca](mailto:music-program-supervisor@utsc.utoronto.ca)*

**Program Requirements**

Students are required to complete 4.0 full credits as follows:

1. VPMA90H3 Materials of Music I
  - VPMA93H3 Listening to Music
  - VPMA99H3 Music of the World's Peoples
2. 0.5 credit in Performance. Students must choose the graded option for this credit.
3. 2.0 additional credits in Music, of which at least 1.0 credit must be at the C- and/or D-level. Students must consult with the Program Director regarding the selection of the courses to fulfill this program requirement. **For performance courses, students must choose the graded option.**

**Item 6: Course change – JOUC25H3**

*Rationale:*

To clarify the requirements for field placement.

*Calendar Copy Showing Changes:*

**JOUC25H3 Field Placement**

In Field Placement, students use theoretical knowledge and applied skills in professional journalistic environments. Through individual work and as team members, students create editorial content on various platforms and undertake academic research and writing assignments that require them to reflect upon issues arising from their work placement experience. This course is taught at Centennial College and is open only to students in the Journalism Joint Program.

~~Prerequisite: Successful completion of semesters 1 and 2 of the college phase of the Joint Journalism Program.~~ **Student must be in good standing and have successfully completed groups 1, 2, and 3 of the Centennial College phase of the Specialist (Joint) program in Journalism. In addition, students are required to have completed a non-credit Career Management course prior to starting their field placement.**

Breadth Requirement: Arts, Literature & Language

**Note: No academic credit is given for this course and no fee charged. Students must contact their Program Coordinator at Centennial College to arrange for enrolment in the course.**

***Item 7: Course change – MDSA02H3***

*Rationale:*

Course prerequisite changed in order to 1. Clarify for students how courses relate to and build on each other; 2. Clarify for students the most efficient way to complete the major and Minor; 3. More evenly distribute course demand to help reduce wait lists.

*Calendar Copy Showing Changes:*

**MDSA02H3 History of Media and Technology**

This course surveys the history of media and communication technologies, from the development of writing through the printing press, newspaper, telegraph, radio, film, television and internet. Students examine the complex interplay among changing media technologies and cultural, political and social changes, from the rise of a public sphere to the development of highly-mediated forms of self identity.

**Prerequisite: MDSA01H3**

Breadth Requirement: History, Philosophy & Cultural Studies

***Item 8: Course change – MDSB01H3***

*Rationale:*

Course prerequisite changed in order to 1. Clarify for students how courses relate to and build on each other; 2. Clarify for students the most efficient way to complete the major and Minor; 3. More evenly distribute course demand to help reduce wait lists.

*Calendar Copy Showing Changes:*

**MDSB01H3 Human, Animal, Machine**

What makes humans humans, animals animals, and machines machines? This course probes the leaky boundaries between these categories through an examination of various media drawn from

science fiction, contemporary art, film, TV, and the critical work of media and posthumanist theorists on cyborgs, genetically-modified organisms, and other hybrid creatures.

~~Prerequisite: At least 4.0 credits~~

**Corequisite: MDSA01H3**

Exclusion: (IEEB01H3)

~~Recommended Preparation: ACMA01H3~~

Breadth Requirement: History, Philosophy & Cultural Studies

***Item 9: Course change – MDSB03H3***

*Rationale:*

Course co-requisite changed in order to 1. Clarify for students how courses relate to and build on each other; 2. Clarify for students the most efficient way to complete the major and Minor; 3. More evenly distribute course demand to help reduce wait lists.

*Calendar Copy Showing Changes:*

MDSB03H3 Advertising and Consumer Culture

This course introduces students to the study of advertising as social communication and provides a historical perspective on advertising's role in the emergence and perpetuation of "consumer culture". The course examines the strategies employed to promote the circulation of goods as well as the impact of advertising on the creation of new habits and expectations in everyday life.

**Prerequisite** ~~Corequisite~~: MDSA01H3

Breadth Requirement: History, Philosophy & Cultural Studies

***Item 10: Course change – MDSB05H3***

*Rationale:*

Course prerequisite changed in order to 1. Clarify for students how courses relate to and build on each other; 2. Clarify for students the most efficient way to complete the major and Minor; 3. More evenly distribute course demand to help reduce wait lists.

*Calendar Copy Showing Changes:*

MDSB05H3 Media and Globalization

This course introduces students to the variety of ways cultural and social theorists have addressed notions of "globalization" and the media. The course focuses on media systems and practices in the non-western world, including Asia, Latin America, and the Middle East.

Same as GASB05H3

**Prerequisite: MDSA01H3 and any 4.0 credits**

Exclusion: GASB05H3

Breadth Requirement: History, Philosophy & Cultural Studies

***Item 11: Course change – MDSB25H3***

*Rationale:*

Course prerequisite changed in order to 1. Clarify for students how courses relate to and build on each other; 2. Clarify for students the most efficient way to complete the major and Minor; 3. More evenly distribute course demand to help reduce wait lists.

*Calendar Copy Showing Changes:*

**MDSB25H3 Political Economy of Media**

This course applies concepts and principles developed by political economy theorists to the economic structure and policies that influence communication and media systems. These concepts are used to analyze the major media industries, including print, radio, television, film, video, recorded music, video-games, telecommunications, online communication, and advertising.

Prerequisite: MDSA01H3 ~~or (NMEA20H3)~~ and MDSA02H3

Breadth Requirement: Arts, Literature & Language

***Item 12: Course change – MDSB61H3***

*Rationale:*

Course prerequisite changed in order to 1. Clarify for students how courses relate to and build on each other; 2. Clarify for students the most efficient way to complete the major and Minor; 3. More evenly distribute course demand to help reduce wait lists.

*Calendar Copy Showing Changes:*

**MDSB61H3 Mapping New Media**

This course introduces students to the key terms and concepts in new media studies as well as approaches to new media criticism. Students examine the myriad ways that new media contribute to an ongoing reformulation of the dynamics of contemporary society, including changing concepts of community, communication, identity, privacy, property, and the political.

Prerequisite: MDSA01H3 and MDSA02H3

Breadth Requirement: History, Philosophy & Cultural Studies

***Item 13: Course change – MDSB62H3***

*Rationale:*

Course prerequisite changed in order to 1. Clarify for students how courses relate to and build on each other; 2. Clarify for students the most efficient way to complete the major and Minor; 3. More evenly distribute course demand to help reduce wait lists.

*Calendar Copy Showing Changes:*

**MDSB62H3 Visual Culture and Communication**

Visual Culture studies the construction of the visual in art, media, technology and everyday life. Students learn the tools of visual analysis; investigate how visual depictions such as

YouTube and advertising structure and convey ideologies; and study the institutional, economic, political, social, and market factors in the making of contemporary visual culture.

Prerequisite: MDSA01H3 or (NMEA20H3) and MDSA02H3

Exclusion: (NMEB20H3)

Enrolment Limits: 50

Breadth Requirement: Arts, Literature & Language

**Item 14: Course change – MDSB63H3**

*Rationale:*

Course prerequisite changed in order to 1. Clarify for students how courses relate to and build on each other; 2. Clarify for students the most efficient way to complete the major and Minor; 3. More evenly distribute course demand to help reduce wait lists.

*Calendar Copy Showing Changes:*

MDSB63H3 Sound and Visual Media

This course explores the importance of sound and sound technology to visual media practices by considering how visuality in cinema, video, television, gaming, and new media art is organized and supported by aural techniques such as music, voice, architecture, and sound effects.

Prerequisite: MDSA01H3 and MDSA02H3

Recommended Preparation: ACMA01H3

Enrolment Limits: 20

Breadth Requirement: Arts, Literature & Language

NOTE: Priority will be given to students enrolled in programs offered by the Department of Arts, Culture and Media. Additional students may be admitted as space permits with permission from the Media Studies Program Director.

**Item 15: Course change – MDSC01H3**

*Rationale:*

Course prerequisite changed in order to 1. Clarify for students how courses relate to and build on each other; 2. Clarify for students the most efficient way to complete the major and Minor; 3. More evenly distribute course demand to help reduce wait lists.

*Calendar Copy Showing Changes:*

MDSC01H3 Theories and Methods in Media Studies

This is an advanced seminar for third and fourth year students on theories and methodologies applied to the study of media. Topics vary.

Prerequisite: Any 5.0 credits including [MDSA01H3 or (NMEA20H3)] & MDSA02H3 2.0 credits at the B-level in MDS courses

Enrolment Limits: 30

Breadth Requirement: History, Philosophy & Cultural Studies



**Item 16: Course change – MDSC02H3**

*Rationale:*

Course prerequisite changed in order to 1. Clarify for students how courses relate to and build on each other; 2. Clarify for students the most efficient way to complete the major and Minor; 3. More evenly distribute course demand to help reduce wait lists.

*Calendar Copy Showing Changes:*

MDSC02H3 ~~Topics in~~ Media, Identities and Politics

This course explores the centrality of mass media such as television, film, the Web, and mobile media in the formation of multiple identities and the role of media as focal points for various cultural and political contestations.

Prerequisite: ~~5.0 credits, including [MDSA01H3 or (NMEA20H3)]~~ 2.0 credits at the B-level in MDS courses

~~Enrolment Limits: 35~~

Breadth Requirement: Social & Behavioural Sciences

**Item 17: Course change – MDSC40H3**

*Rationale:*

Course prerequisite changed in order to clarify for students the exact number of courses required. Deleting the enrolment limits will allow MDS to distribute course demand to help reduce wait lists.

*Calendar Copy Showing Changes:*

MDSC40H3 Chinese Media and Politics

This course examines the complex and dynamic interplay of media and politics in contemporary China and the role of the government in this process.

Same as GASC40H3

Prerequisite: ~~Any~~ 4.0 credits including [(HUMA01H3) or ACMA01H3]

Exclusion: GASC40H3

~~Enrolment Limits: 75~~

Breadth Requirement: History, Philosophy & Cultural Studies

**Item 18: Course change – MDSC41H3**

*Rationale:*

Course prerequisite changed in order to clarify for students the exact number of courses required. Deleting the enrolment limits will allow MDS to distribute course demand to help reduce wait lists.

*Calendar Copy Showing Changes:*

**MDSC41H3 Media and Popular Culture in East and Southeast Asia**

This course introduces students to media industries and commercial popular cultural forms in East and Southeast Asia. Topics include reality TV, TV dramas, anime and manga, as well as issues such as regional cultural flows, global impact of Asian popular culture, and the localization of global media in Asia.

Same as GASC41H3 and (IEEC21H3)

Prerequisite: ~~Any 4.0~~ credits including [(HUMA01H3) or ACMA01H3]

Exclusion: GASC41H3, (IEEC21H3)

~~Enrolment Limits: 75~~

Breadth Requirement: History, Philosophy & Cultural Studies

***Item 19: Course change – MDSC53H3***

*Rationale:*

Course prerequisite changed in order to 1. Clarify for students how courses relate to and build on each other; 2. Clarify for students the most efficient way to complete the major and Minor. Deleting the enrolment limits will allow MDS to distribute course demand to help reduce wait lists.

*Calendar Copy Showing Changes:*

**MDSC53H3 Anthropology of Media and Publics**

How do media work to circulate texts, images, and stories? Do media create unified publics? How is the communicative process of media culturally-distinct? This course examines how anthropologists have studied communication that occurs through traditional and new media. Ethnographic examples drawn from several contexts.

Same as ANTC53H3

Prerequisite: [ANTB19H3 and ANTB20H3] or [MDSA01H3 and ~~any 5.0 credits~~ **MDSB05H3**]

Exclusion: ANTC53H3

Enrolment Limits: 60

Breadth Requirement: Arts, Literature & Language

***Item 20: Course change – MDSC62H3***

*Rationale:*

This course is being double-numbered with a new course – JOUC62H3. Changes to the course description, pre-requisites, exclusions, and enrolment limits are to bring the partner courses in line with one another. Deleting the enrolment limits will allow MDS to distribute course demand to help reduce wait lists.

*Calendar Copy Showing Changes:*

**MDSC62H3 Media and the World of Work**

The course explores the relationships between journalism and the labour movement in Canada's present media environment. It examines how labour is perceived as a media issue and how labour

stories are framed in mainstream media - what is reported, how it is reported, what isn't reported, and why. It also examines significant issues in Canadian labour history within a media studies context.

Same as JOUC62H3

Prerequisite: ~~5.0 credits, including~~ [MDSA01H3 and MDSB05H3] or [JOUA01H3 and JOUA02H3]

Exclusion: JOUC62H3

~~Enrolment Limits: 40~~

Breadth Requirement: Arts, Literature & Language

**Item 21: Course change – MDSC63H3**

*Rationale:*

Course is now being double-numbered with JOUC63H3 (new). Changes to course description, pre-requisites, and exclusions bring the partner courses into line with one another. Deleting the enrolment limits will allow MDS to distribute course demand to help reduce wait lists.

*Calendar Copy Showing Changes:*

MDSC63H3 Media Ethics

Introduces students to ethical issues in media. Students learn theoretical aspects of ethics and apply them to media industries and practices in the context of advertising, public relations, journalism, mass media entertainment, and online culture.

Same as JOUC63H3

Prerequisite: ~~5.0 credits, including~~ [MDSA01H3 or (NMEA20H3)] [MDSA01H3 and MDSB05H3] or [JOUA01H3 and JOUA02H3]

Exclusion: JOUC63H3

~~Enrolment Limits: 35~~

Breadth Requirement: History, Philosophy & Cultural Studies

**Item 22: Course change – MDSC64H3**

*Rationale:*

Course prerequisite changed in order to 1. Clarify for students how courses relate to and build on each other; 2. Clarify for students the most efficient way to complete the major and Minor  
Deleting the enrolment limits will allow MDS to distribute course demand to help reduce wait lists.

*Calendar Copy Showing Changes:*

MDSC64H3 ~~Old Media, New Media:~~ Film and Technology

From the first depiction of a cyborg in *Metropolis* (1927) to the Web-based surveillance devices of *Minority Report* (2002), film is central to organizing cultural discourse around new media and technology. This course examines how the popularization of both real and imagined technologies in various films contributes to cultural attitudes that attend the introduction and social diffusion of new technologies.

Prerequisite: ~~Any 5.0 credits including MDSA02H3~~ 2.0 credits at the B-level in MDS courses

~~Enrolment Limits: 35~~

Breadth Requirement: Arts, Literature & Language

***Item 23: Course change – MDSC65H3***

*Rationale:*

Course prerequisite changed in order to 1. Clarify for students how courses relate to and build on each other; 2. Clarify for students the most efficient way to complete the major and Minor. Deleting the enrolment limits will allow MDS to distribute course demand to help reduce wait lists.

*Calendar Copy Showing Changes:*

MDSC65H3 Online Games and Virtual Worlds

This course introduces students to the academic study of online games and virtual worlds. Students develop critical awareness and understanding of immersive virtual technologies and their implications for social, cultural, political and economic life. Classes will be conducted in the UTSC Innovation Media Lab, a virtual world and learning environment.

Prerequisite: ~~5.0 credits including MDSB61H3~~ 2.0 credits at the B-level in MDS courses

~~Enrolment Limits: 20~~

Breadth Requirement: Arts, Literature & Language

***Item 24: Course change – MDSD01H3***

*Rationale:*

Course prerequisite changed in order to 1. Clarify for students how courses relate to and build on each other; 2. Clarify for students the most efficient way to complete the major and Minor. Deleting the enrolment limits will allow MDS to distribute course demand to help reduce wait lists.

*Calendar Copy Showing Changes:*

MDSD01H3 Senior Seminar: Topics in Media and Arts

This is a senior seminar that focuses on the connections among media and the arts. Students explore how artists use the potentials offered by various media forms, including digital media, to create new ways of expression. Topics vary.

Prerequisite: ~~10.0 credits, including [MDSA01H3 or (NMEA20H3)]~~ 3.0 credits in MDS courses including 1.0 credit at the C-level

~~Enrolment Limits: 15~~

***Item 25: Course change – MDSD02H3***

*Rationale:*

Course prerequisite changed in order to 1. Clarify for students how courses relate to and build on each other; 2. Clarify for students the most efficient way to complete the major and Minor. Deleting the enrolment limits will allow MDS to distribute course demand to help reduce wait lists.

*Calendar Copy Showing Changes:*

**MDS02H3 Senior Seminar: Topics in Media and Society**

This is a senior seminar that focuses on media and society. It explores the social and political implications of media, including digital media, and how social forces shape their development. Topics vary.

Prerequisite: ~~10.0 credits, including [MDSA01H3 or (NMEA20H3)]~~ **3.0 credits in MDS courses including 1.0 credit at the C-level**

~~Enrolment Limits: 15~~

**Item 26: Course change – VPMA90H3**

*Rationale:*

Clarifies the relationship between VPMA95 and VPMA90, one being preparatory to the other. The online music placement test has proved inadequate to assessing the abilities of the students.

*Calendar Copy Showing Changes:*

**VPMA90H3 Materials of Music I**

The basic materials of music from the Middle Ages to the present, including elementary harmony, musical forms, introductory analytical and compositional techniques and aural training. Online music placement test required.

Prerequisite: **VPMA95H3 or [Royal Conservatory Grade II Rudiments or equivalent]**; ~~online music placement test required.~~

Breadth Requirement: Arts, Literature & Language

**Item 27: Course change – VPMC97H3**

*Rationale:*

The change in the prerequisites supports a practical focus on our target audience, students in Music and Media Studies. The earlier formulation of the prerequisites was aimed much more vaguely and less helpfully at Humanities students. This change brings the course in alignment with the realities of the students who have been attracted to it, and fits well with the two program areas.

*Calendar Copy Showing Changes:*

**VPMC97H3 Music, Technologies, Media**

An exploration of music's relationships to media and technology, and how these shape musical practices, consumption, and understanding in historical and contemporary contexts. Topics include music printing, music journalism, development of acoustic, mechanical, and electronic instruments, the recording industry, radio, electroacoustic and computer composition, and digital dissemination via the internet.

Prerequisite: At least 1.0 full credit at the B-level. ~~from courses offered in Arts, Culture and Media, English, French and Linguistics, Historical and Cultural Studies, and Philosophy~~ **Priority will be given to students in Music and Culture, and Media Studies.**

Breadth Requirement: History, Philosophy & Cultural Studies

**Item 28: Course change – VPMD80H3 and VPMD81H3**

*Rationale:*

The revisions clean up the expectations with regard to the process for getting permission to take an independent study. The edited prerequisites clarify the paths to taking an independent study.

*Calendar Copy Showing Changes:*

VPMD80H3 Independent Study in Music

VPMD81H3 Independent Study in Music

A directed research, composition or performance course for students who have demonstrated a high level of academic maturity and competence. Students in performance combine a directed research project with participation in one of the performance ensembles (~~Concert Choir, Concert Band, Jazz Choir, Jazz Band, String Ensemble~~).

Note: Students must submit a proposed plan of study for approval **in the term prior to the beginning of the course**, and must obtain consent from the supervising instructor and the Music Program **Director supervisor**.

Prerequisite: A minimum overall average of B+ in VPM courses, and at least 1.0 full credit in music at the C-level, ~~not including credits in performance~~. Students in the Composition option must also have completed VPMC90H3. Students in the Performance/research option **must complete at least one course in performance at the C level** ~~also have completed VPMC71H3 or VPMC74H3~~. ~~Students are strongly advised to arrange their independent study well in advance of the beginning of the session.~~

**Item 29: Course change – VPSB71H3**

*Rationale:*

The prerequisite change is to simplify and put the prerequisites for this course in line with other VPS B-levels.

*Calendar Copy Showing Changes:*

VPSB71H3 ~~Books and~~ **Artist** Multiples

~~Exploring the production, history and use of artists' books, students will focus on visuals and text, incorporating low-tech and printmaking approaches to multiples.~~

**Artist multiples are small, limited edition artworks that include sculptures, artist books, mass-produced ephemera such as posters, postcards and small objects. Students will explore the production and history of 2D and 3D works using a variety of media and approaches. This course is about both making and concepts.**

Prerequisite: ~~VPSA70H3 & [VPSA61H3 or VPSA71H3 or (VPSA72H3) or VPSA74H3]~~  
**[VPSA62H3 and VPSA63H3] and [0.5 credit at the A-level in Studio courses]**

Exclusion: VIS321H

Enrolment Limits: 20

Breadth Requirement: Arts, Literature & Language

**Item 30: Course change – VPSB72H3**

*Rationale:*

The change in prerequisites is to put them in line with other VPS B-levels.

*Calendar Copy Showing Changes:*

**VPSB72H3 Digital Publishing**

A course for students interested in publishing artworks in digital formats such as e-books, short-run printed catalogues and blogs. Lessons will identify common editorial and image preparation concerns while introducing software for assembling images, videos, sounds, graphics, and texts into coherent and intelligently-designed digital publications. Creative solutions are expected.

Prerequisite: [VPSA62H3 and VPSA63H3] and [0.5 credit at the A-level in Studio courses]

Enrolment Limits: 20

Breadth Requirement: Arts, Literature & Language

**Item 31: Course change – VPSB73H3**

*Rationale:*

The change in prerequisites is to put them in line with other VPS B-levels.

*Calendar Copy Showing Changes:*

**VPSB73H3 Curatorial Perspectives I**

This course is designed to offer students direct encounters with artists and curators through studio and gallery visits. Field encounters, written assignments, readings and research focus on contemporary art and curatorial practices. The course will provide skills in composing critical views, artist statements, and writing proposals for art projects.

Prerequisite: [VPSA62H3 and VPSA63H3] and [0.5 credit at the A-level in Studio courses]

Exclusion: VIS320H

Enrolment Limits: 20

Breadth Requirement: Arts, Literature & Language

**Item 32: Course change – VPSB77H3**

*Rationale:*

The change in prerequisites is to simplify and put them in line with other VPS B-levels.

*Calendar Copy Showing Changes:*

**VPSB77H3 Introduction to Performance Art**

This course covers the history and practice of performance art. Students will employ contemporary performance strategies such as duration, ritual, repetition, intervention, tableau vivant, endurance and excess of materials in their projects. We will also study the relationship of performance to other art disciplines and practices such as theatre and sculpture.

Prerequisite: {VPSA62H3 & and VPSA63H3} or {VPDA10H3 & VPDA11H3} or {(VPDA01H3) & (VPDA02H3)}

Exclusion: VIS208H  
Enrolment Limits: 15  
Breadth Requirement: Arts, Literature & Language

**Item 33: Course change – VPSB80H3**

*Rationale:*

VPSA72H3, Introduction to Photography, has been replaced by VPSB67H3, Photo I.

*Calendar Copy Showing Changes:*

**VPSB80H3 Digital Studio-Projects**

An in-depth investigation of digital imaging technologies for serious studio artists and new media designers. Emphasis is placed on advanced image manipulation, seamless collage, invisible retouching and quality control techniques for fine art production. Project themes will be drawn from a critical analysis of contemporary painting and photo-based art.

Prerequisite: VPSA74H3

Exclusion: VIS318H

Recommended Preparation: (~~VPSA72H3~~) **VPSB67H3**

Enrolment Limits: 20

Breadth Requirement: Arts, Literature & Language

**Item 34: Course change – VPSB88H3**

*Rationale:*

Changing the enrolment limit from 20 to 15 will better reflect our capacity/resources for this course.

*Calendar Copy Showing Changes:*

**VPSB88H3 ~~Introduction to~~ Sound Art**

Students will be introduced to sound as a medium for art making. Listening, recording, mapping, editing, and contextualizing sounds will be the focus of this course. Sound investigations will be explored within both contemporary art and experimental sound/music contexts.

Prerequisite: VPSA62H3 and VPSA63H3

Enrolment Limits: ~~20~~ **15**

Breadth Requirement: Arts, Literature & Language

**Item 35: Course change – VPSB89H3**

*Rationale:*

The change in prerequisites is to put them in line with other VPS B-levels.



*Calendar Copy Showing Changes:*

**VPSB89H3 - Introduction to Digital Animation I**

A non-traditional course in the digital production of non-analog, two-dimensional animation through the use of computer-based drawing, painting, photography and collage. Students will learn design strategies, experimental story lines, sound mixing, and video transitions to add pace, rhythm, and movement to time based, digital art projects.

Prerequisite: **VPSA62H3 and VPSA63H3 and VPSA74H3**

Recommended Preparation: VPSA70H3

Enrolment Limits: 20

Breadth Requirement: Arts, Literature & Language

**Item 36: Course change – VPSC04H3**

*Rationale:*

The change in prerequisites is to put them in line with other VPS C-levels.

*Calendar Copy Showing Changes:*

**VPSC04H3 "Live!"**

"Live!" investigates interdisciplinary modes of contemporary performance. Within a studio context, this course serves as an advanced exploration of 21st century Live Art. This interactive course reviews the dynamics of time, space and existence, and asks fundamental questions about the body and performance.

Prerequisite: ~~(VPDC06H3), (VPSC57H3)~~ **[VPHA46H3 and VPSB77H3] and [0.5 credit at the B-level in Studio or TAPS courses]**

Exclusion: ~~(VPDC06H3), (VPSC57H3), (VPAC04H3)~~

Enrolment Limits: 12

Breadth Requirement: Arts, Literature & Language

**Item 37: Course change – VPSC55H3**

*Rationale:*

The change in prerequisites is to simplify and put them in line with other VPS C-levels.

*Calendar Copy Showing Changes:*

**VPSC55H3 Drawing III**

An advanced course for students who are able to pursue individual projects dealing with the complex relationships between drawing and other art practices like installation, painting and mixed media.

Prerequisite: **[VPHA46H3 & and VPSB74H3] & and [an additional 0.5 credit in Studio at the B-level or C-level in Studio courses]**

Exclusion: VIS305H

Enrolment Limits: 20

Breadth Requirement: Arts, Literature & Language

**Item 38: Course change – VPSC56H3**

*Rationale:*

The change in prerequisites is to simplify and put them in line with other VPS C-levels.

*Calendar Copy Showing Changes:*

**VPSC56H3 Studio Practice**

A supervised course focused specifically on the development of the student's work from initial concept through to the final presentation. Students may work in their choice of media with the prior written permission of the instructor.

Prerequisite: VPHA46H3 and [3.5 credits in Studio courses including at least 1.0 full-credit at the B-level and/or C level in the area of study.]

Exclusion: VIS311H

Enrolment Limits: 20

Breadth Requirement: Arts, Literature & Language

**Item 39: Course change – VPSC66H3**

*Rationale:*

The change in prerequisites is to simplify and put them in line with other VPS C-levels.

*Calendar Copy Showing Changes:*

**VPSC66H3 Theory and Practice: Two-Dimensional Work**

An exploration of ideas and practice with an emphasis on two-dimensional work, including digital imaging.

Prerequisite: VPHA46H3 and [at least 1.0 full credit at the B- or C-level in Studio courses dealing with two dimensions.]

Exclusion: VIS211H

Enrolment Limits: 15

Breadth Requirement: Arts, Literature & Language

**Item 40: Course change – VPSC68H3**

*Rationale:*

The change in prerequisites is to simplify and put them in line with other VPS C-levels.

*Calendar Copy Showing Changes:*

**VPSC68H3 Theory and Practice: Time-Based Work**

An exploration of ideas and practice with an emphasis on time-based media: performance, video, audio, time-based sculpture and installation.

Prerequisite: VPHA46H3 and [an additional 1.0 full-credit in VPS at the B-or-C-level in Studio courses dealing with time-based media.]

Exclusion: VIS303H

Enrolment Limits: 15  
Breadth Requirement: Arts, Literature & Language

**Item 41: Course change – VPSC69H3**

*Rationale:*

The change in prerequisites is to simplify and put them in line with other VPS C-levels.

*Calendar Copy Showing Changes:*

VPSC69H3 Theory and Practice: Art in a Globalizing World  
This course will focus on the influence of global visual culture on contemporary art practices; exploring how artists respond to orientalism, colonial histories, migration, media, tourism, and the international art world. The culturally diverse backgrounds of students and their understanding of global media will be starting points for studio projects.  
Prerequisite: VPHA46H3 & and [1.0 full-credit in Studio at the B- or C-level in Studio courses]  
Exclusion: VIS325H  
Enrolment Limits: 15  
Breadth Requirement: History, Philosophy & Cultural Studies

**Item 42: Course change – VPSC71H3**

*Rationale:*

The change in prerequisites is to simplify and put them in line with other VPS C-levels.

*Calendar Copy Showing Changes:*

VPSC71H3 Performing with Cameras  
This course investigates the relationship of the body to the camera. Using both still and video cameras and live performance students will create works that unite the performative and the mediated image. The course will cover how the body is framed and represented in contemporary art, advertising and the media.  
Prerequisite: VPHA46H3 and & [[VPSB77H3 or [VPDB01H3 & VPDB02H3]] & [VPSB75H3 or VPSB76H3 or VPSC58H3 or (VPSC60H3)] [1.0 credit at the B-level in Studio courses]  
**Recommended preparation: VPSB77H3 or VPSB67H3 or VPSB76H3**  
Enrolment Limits: 15  
Breadth Requirement: Arts, Literature & Language

**Item 43: Course change – VPSC73H3**

*Rationale:*

The change in prerequisites is to simplify and put them in line with other VPS C-levels.

*Calendar Copy Showing Changes:*

VPSC73H3 Interdisciplinary Drawing Concepts

Interdisciplinary Drawing Concepts will extend drawing into a range of other media, allowing students to explore the sculptural, temporal and performative potential of mark-making.

Prerequisite: [VPHA46H3 & and VPSB74H3] and & [0.5 credit at the B- or C-level in Studio courses]

Exclusion: VIS323H

Enrolment Limits: 15

Breadth Requirement: Arts, Literature & Language

**Item 44: Course change – VPSC89H3**

*Rationale:*

The change in prerequisites is to put them in line with other VPS C-levels.

*Calendar Copy Showing Changes:*

**VPSC89H3 Digital Animation 2 II**

A project based course, building upon concepts developed in VPSB89H3 Introduction to Digital Animation. Students will refine their control of sound, movement, and image quality. This course will also introduce three-dimensional wire frame and ray-tracing techniques for constructing convincing 3-D animated objects and scenes as they apply to contemporary artistic practices.

Prerequisite: **VPHA46H3 and VPSB89H3**

Enrolment Limits: 20

Breadth Requirement: Arts, Literature & Language

**Item 45: Course change – VPSD55H3**

*Rationale:*

The change in prerequisites is to put them in line with other VPS courses. Changing the enrolment limit from 20 to 15 will better reflect our capacity/resources for this course.

*Calendar Copy Showing Changes:*

**VPSD55H3 Advanced Special Topics in Studio**

Selected topics for intensive **and focused** practical and theoretical study in **one area of specialization in** studio. Topics will change from session to session.

Prerequisite: 1.5 full-credits at the C-level in Studio **courses**.

Exclusion: VIS401H, VIS402H, VIS403H, VIS404H, VIS410H

Enrolment Limits: ~~20~~ **15**

## **Department of Biological Sciences**

***Note regarding consultation:***

All changes have been approved by the Departmental Curriculum Committee, and reviewed by the Dean’s Office. Where changes may have had an impact on outside academic units, appropriate consultation has taken place.

***Item 1: Program Change – Specialist in Conservation and Biodiversity (BSc)***

*Overview of Changes:*

Add BIOD67H (Inter-University Biology Field Course) as an optional course to Third/Fourth year requirements - Bin #1: C- & D-level Ecology and Evolution Courses.

*Rationale:*

This course was originally a C-level course within this program and was changed to a D-level in 2014-15. This course is appropriate for the C- & D-level Ecology and Evolution Courses bin in Conservation and Biodiversity.

*Calendar Copy Showing Changes:*

**SPECIALIST PROGRAM IN CONSERVATION AND BIODIVERSITY (SCIENCE)**

*Supervisor:* I. Stehlik *Email:* biodiversity@utsc.utoronto.ca

This program presents a foundation for understanding how ecology and evolution shape organismal features (from morphology and physiology to behaviour) and the structure and function of communities and ecosystems. Ultimately these processes determine the broad patterns of organization of life on earth and biodiversity. The challenges to biodiversity are daunting. Habitat destruction, biological invasions and climate change are causing loss of species and disruption of ecosystems worldwide. Graduates are trained to understand and actively seek solutions to these problems. This program will show how ecological and evolutionary perspectives can be used to understand and predict the outcome of dynamic interactions among organisms, populations, species, and communities. Students will be well trained to take positions in government agencies, consulting firms or NGO's, able to continue with graduate studies in science for academic careers; or able to pursue careers in business or law related to environmental issues, stewardship and sustainable development.

NOTE: This program has been renamed. It was formerly known as the Specialist in Biodiversity, Ecology & Evolution (B.Sc.).

**Program Requirements**

This program consists of 14.5 required credits.

**A. Required Courses**

*First Year*

1.0 Credit of Introductory Biology Courses

BIOA01H3 Life on Earth: Unifying Principles

BIOA02H3 Life on Earth: Form, Function and Interactions

1.0 Credit of Introductory Chemistry Courses

CHMA10H3 Introductory Chemistry I: Structure and Bonding

CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms

1.0 Credit in Mathematics

MATA30H3 Calculus I for Biological and Physical Sciences

MATA35H3 Calculus II for Biological Sciences

0.5 Credit in Physics

Choose from:

PHYA10H3 Introduction to Physics IA

PHYA11H3 Introduction to Physics IB

0.5 Credit in Computer Science

Choose from:

CSCA08H3 Introduction to Computer Science I (most appropriate course for computer science students)

CSCA20H3 Introduction to Programming (most appropriate course for non-computer science students)

PSCB57H3 Introduction to Scientific Computing (this course could also be taken in second year)

*Second Year*

3.0 Credits of Biology Core Courses

BIOB10H3 Cell Biology

BIOB11H3 Molecular Aspects of Cellular and Genetic Processes

[(BIOB30H3) Mammalian Physiology I or BIOB34H3 Animal Physiology]

[(BIOB31H3) Plant Physiology or BIOB38H3 Plants and Society]

BIOB50H3 Ecology

BIOB51H3 Evolutionary Biology

0.5 Credit of Biology Core Labs

BIOB52H3 Ecology and Evolutionary Biology Laboratory

0.5 Credit in Statistics

Choose from:

STAB22H3 Statistics I

PSYB07H3 Data Analysis in Psychology

*Third Year*

2.0 Credits of C-level Ecology and Evolution Foundation Courses

BIOC16H3 Evolutionary Genetics and Genomics

BIOC50H3 Macroevolution

BIOC59H3 Advanced Population Ecology

BIOC61H3 Community Ecology and Environmental Biology

*Third/Fourth Year*

4.5 credits of C- & D-level courses from Bins 1 and 2 below. This must include at least one credit from each bin and at least one credit total at the D-level.

Bin 1: C- & D-level Ecology and Evolution Courses

Choose from:

- BIOC51H3 Tropical Biodiversity Field Course
- BIOC52H3 Ecology Field Course
- BIOC58H3 Biological Consequences of Global Change
- BIOC60H3 Winter Ecology
- BIOC63H3 Conservation Biology
- BIOC65H3 Environmental Toxicology
- (BIOC67H3) Inter-University Biology Field Course
- BIOD25H3 Genomics
- BIOD52H3 Special Topics in Biodiversity and Systematics
- BIOD54H3 Applied Conservation Biology
- BIOD60H3 Spatial Ecology
- BIOD62H3 Species and Speciation
- BIOD66H3 Causes and Consequences of Biodiversity
- BIOD67H3 Inter-University Biology Field Course**
- EESC04H3 Biodiversity and Biogeography

Bin 2: C- & D-level Organismal Biology Courses

Choose from:

- BIOC37H3 Plants: Life on the Edge
- (BIOC38H3) Plants and Society
- BIOC40H3 Plant Physiology
- BIOC54H3 Animal Behaviour
- BIOC62H3 Role of Zoos in Conservation
- BIOD26H3 Fungal Biology & Pathogenesis
- BIOD33H3 Comparative Animal Physiology
- BIOD37H3 Biology of Plant Stress
- BIOD43H3 Animal Movement and Exercise
- BIOD45H3 Animal Communication
- BIOD48H3 Ornithology and Herpetology
- BIOD53H3 Special Topics in Behavioural Ecology
- EESC30H3 Microbial Biogeochemistry

B. Senior Research Courses (optional)

Students interested in graduate research are encouraged to take one or more of the independent research courses offered in Biological Sciences as part of their degree.

- BIOD95H3 Supervised Study in Biology
- BIOD98Y3 Directed Research in Biology
- BIOD99Y3 Directed Research in Biology

***Item 2: Program Change – Major in Conservation and Biodiversity (BSc)***

*Overview of Changes:*

Add BIOD67H (Inter-University Biology Field Course) as an optional course to the Fourth year requirement - 0.5 Credit of D-level Courses bin.

*Rationale:*

This course was originally a C-level course and was changed to a D-level in 2014-15. This course is appropriate for the 0.5 Credit of D-level Courses in Conservation and Biodiversity bin. This will also provide the students with additional D-level options in this program.

*Calendar Copy Showing Changes:*

MAJOR PROGRAM IN CONSERVATION AND BIODIVERSITY (SCIENCE)

*Supervisor:* I. Stehlik *E-mail:* biodiversity@utsc.utoronto.ca

This program provides background and training in modern biological approaches to the study of biodiversity, ecology, and evolution. The links between these fields are emphasized, and topics covered range from the structure and function of ecosystems to the evolution of behaviour, morphology, and physiology.

NOTE: This program has been renamed. It was formerly known as the Major in Biodiversity, Ecology & Evolution (B.Sc.).

Program Requirements

This program consists of 8.5 required credits.

*First Year*

1.0 Credit of Introductory Biology Courses

BIOA01H3 Life on Earth: Unifying Principles

BIOA02H3 Life on Earth: Form, Function and Interactions

1.0 Credit of Introductory Chemistry Courses

CHMA10H3 Introductory Chemistry I: Structure and Bonding

CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms

0.5 Credit in Mathematics or Statistics

Choose from:

MATA30H3 Calculus I for Biological and Physical Sciences

STAB22H3 Statistics I

PSYB07H3 Data Analysis in Psychology

*Second Year*

3.0 Credits of Biology Core Courses

BIOB10H3 Cell Biology

BIOB11H3 Molecular Aspects of Cellular and Genetic Processes

[(BIOB30H3) Mammalian Physiology I or BIOB34H3 Animal Physiology]

[(BIOB31H3) Plant Physiology or BIOB38H3 Plants and Society]

BIOB50H3 Ecology

BIOB51H3 Evolutionary Biology



0.5 Credit of Biology Core Labs

BIOB52H3 Ecology and Evolutionary Biology Laboratory

*Third Year*

1.0 Credit of Ecology & Evolution Foundation Courses

Choose from:

BIOC16H3 Evolutionary Genetics and Genomics

BIOC50H3 Macroevolution

BIOC59H3 Advanced Population Ecology

BIOC61H3 Community Ecology and Environmental Biology

1.0 Credit of Other C-level Courses

Choose from:

BIOC37H3 Plants: Life on the Edge

(BIOC38H3) Plants and Society

BIOC40H3 Plant Physiology

BIOC51H3 Tropical Biodiversity Field Course

BIOC52H3 Ecology Field Course

BIOC54H3 Animal Behaviour

BIOC58H3 Biological Consequences of Global Change

BIOC60H3 Winter Ecology

BIOC62H3 Role of Zoos in Conservation

BIOC63H3 Conservation Biology

BIOC65H3 Environmental Toxicology

(BIOC67H3) Inter-University Biology Field Course

EESC30H3 Microbial Biogeochemistry

*Fourth Year*

0.5 Credit of D-level Courses

Choose from:

BIOD25H3 Genomics

BIOD26H3 Fungal Biology & Pathogenesis

BIOD33H3 Comparative Animal Physiology

BIOD43H3 Animal Movement and Exercise

BIOD45H3 Animal Communication

BIOD48H3 Ornithology and Herpetology

BIOD52H3 Special Topics in Biodiversity and Systematics

BIOD53H3 Special Topics in Behavioural Ecology

BIOD54H3 Applied Conservation Biology

BIOD60H3 Spatial Ecology

BIOD62H3 Species and Speciation

BIOD66H3 Causes & Consequences of Biodiversity

**BIOD67H3 Inter-University Biology Field Course**

EESD15H3 Cleaning Up Our Mess: Remediation of Terrestrial and Aquatic Environments

***Item 3: Program change – Specialist in Integrative Biology (BSc)****Overview of Changes:*

Under the Third/Fourth year requirements:

- Add BIOD08H [or NROD08H3] (Theoretical Neuroscience) as an option to the 0.5 Credit of Advanced Courses in Physiology, Biochemistry and Neurobiology bin.
- Add BIOD67H (Inter-University Biology Field Course) as an option to 0.5 Credit of Advanced Courses in Ecology and Conservation bin.

*Rationale:*

- BIOD08H is a new advanced course in neuroscience that focuses on information theory and neural coding. It is a suitable capstone course for our Specialist Program in Integrative Biology.
- BIOD67H was originally a C-level course within this program and was changed to a D-level in 2014-25. This course is appropriate for the 0.5 Credit of Advanced Courses in Ecology and Conservation.

*Calendar Copy Showing Changes:***SPECIALIST PROGRAM IN INTEGRATIVE BIOLOGY (SCIENCE)**

*Supervisor:* I Stehlik *Email:* integrative-biology@utsc.utoronto.ca

In today's rapidly changing world, the development of solutions to combat some of the most pressing global challenges such as climate change, emerging diseases, hunger and species extinction, requires an integrative approach in which expertise is drawn from disparate biological and other disciplines. The specialist program in Integrative Biology provides the student with a solid knowledge base in key core and foundational areas of biology while also providing a breadth of knowledge to support more specialized studies and focused training in a range of disciplines (for examples, see below under "Routes to Specialization"). Students who complete this program will be well positioned for a career in many aspects of the biological sciences or to undertake further studies at the professional or graduate level.

**Program Requirements**

This program consists of 14.5 required credits including at least 4.0 credits at the C- or D-level of which at least 1.0 must be at the D-level.

**A. Required Courses***First Year*

1.0 Credit of Introductory Biology Courses

BIOA01H3 Life on Earth: Unifying Principles

BIOA02H3 Life on Earth: Form, Function and Interactions

1.0 Credit of Introductory Chemistry Courses

CHMA10H3 Introductory Chemistry I: Structure and Bonding

CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms

1.0 Credit in Mathematics

MATA30H3 Calculus I for Biological and Physical Sciences

MATA35H3 Calculus II for Biological Sciences

0.5 Credit in Physics

Choose from:

PHYA10H3 Introduction to Physics IA

PHYA11H3 Introduction to Physics IB

0.5 Credit in Computer Science

Choose from:

CSCA08H3 Introduction to Computer Science I (most appropriate course for computer science students)

CSCA20H3 Introduction to Programming (most appropriate course for non-computer science students)

PSCB57H3 Introduction to Scientific Computing (this course could also be taken in second year)

*Second Year*

3.0 Credits of Biology Core Courses

BIOB10H3 Cell Biology

BIOB11H3 Molecular Aspects of Cellular and Genetic Processes

[(BIOB30H3) Mammalian Physiology I or BIOB34H3 Animal Physiology]

[(BIOB31H3) Plant Physiology or BIOB38H3 Plants and Society]

BIOB50H3 Ecology

BIOB51H3 Evolutionary Biology

0.5 Credit of Biology Core Labs

Choose from:

BIOB12H3 Cell and Molecular Biology Laboratory

BIOB32H3 Animal Physiology Laboratory

BIOB33H3 Human Development and Anatomy Laboratory

BIOB52H3 Ecology and Evolutionary Biology Laboratory

0.5 Credit in Statistics

Choose from:

STAB22H3 Statistics I

PSYB07H3 Data Analysis in Psychology

*Third Year*

1.5 Credits of Biology Foundation Courses

BIOC15H3 Genetics

BIOC17H3 Microbiology

BIOC54H3 Animal Behaviour

*Third/Fourth Year*

0.5 Credit of Advanced Courses in Physiology, Biochemistry and Neurobiology

Choose from:

BIOC12H3 Biochemistry I: Proteins and Enzymes  
BIOC13H3 Biochemistry II: Bioenergetics and Metabolism  
BIOC23H3 Practical Approaches to Biochemistry  
BIOC32H3 Human Physiology I  
BIOC33H3 Human Physiology II: Lecture and Laboratory  
BIOC34H3 Human Physiology II: Lecture  
BIOC39H3 Immunology  
BIOC40H3 Plant Physiology  
BIOC65H3 Environmental Toxicology  
ANTC67H3 Foundations in Epidemiology  
NROC34H3 Neuroethology  
NROC61H3 Learning and Motivation  
NROC64H3 Sensory and Motor Systems  
PSYC31H3 Clinical Neuropsychology  
**BIOD08H3 Theoretical Neuroscience**  
BIOD27H3 Molecular Endocrinology  
BIOD29H3 Pathobiology of Human Disease  
BIOD43H3 Animal Movement and Exercise  
BIOD65H3 Pathologies of the Nervous System  
NROD67H3 Psychobiology of Aging

0.5 Credit of Advanced Courses in Ecology and Conservation

Choose from:

BIOC50H3 Macroeolution  
BIOC51H3 Tropical Biodiversity Field Course  
BIOC52H3 Ecology Field Course  
BIOC58H3 Biological Consequences of Global Change  
BIOC59H3 Advanced Population Ecology  
BIOC61H3 Community Ecology and Environmental Biology  
BIOC62H3 Role of Zoos in Conservation  
BIOC63H3 Conservation Biology  
(BIOC67H3) Inter-University Biology Field Course  
EESC04H3 Biodiversity and Biogeography  
BIOD52H3 Special Topics in Biodiversity and Systematics  
BIOD54H3 Applied Conservation Biology  
BIOD60H3 Spatial Ecology  
BIOD62H3 Species and Speciation  
BIOD66H3 Causes and Consequences of Diversity  
**BIOD67H3 Inter-University Biology Field Course**

0.5 Credit of Advanced Courses in Genes and Development

Choose from:

BIOC10H3 Cell Biology: Proteins from Life to Death  
BIOC14H3 Genes, Environment and Behaviour  
BIOC16H3 Evolutionary Genetics and Genomics  
BIOC19H3 Animal Developmental Biology  
BIOC31H3 Plant Development and Biotechnology

BIOD19H3 Epigenetics in Health and Disease  
 BIOD21H3 Advanced Molecular Biology Laboratory  
 BIOD22H3 Molecular Biology of the Stress Response  
 BIOD23H3 Special Topics in Cell Biology  
 BIOD25H3 Genomics

0.5 Credit of Advanced Courses in Organismal Biology

Choose from:

BIOC21H3 Vertebrate Histology: Cells and Tissues  
 (BGYC22H3) Vertebrate Histology: Organs  
 ANTD22H3 Theory and Methodology of Primatology  
 ANTC68H3 Deconstructing Epidemics  
 EESC30H3 Microbial Biogeochemistry  
 BIOC37H3 Plants: Life on the Edge  
 (BIOC38H3) Plants and Society  
 BIOC60H3 Winter Ecology  
 BIOD17H3 Seminars in Cellular Microbiology  
 BIOD26H3 Fungal Biology and Pathogenesis  
 BIOD29H3 Pathobiology of Human Disease  
 BIOD33H3 Comparative Animal Physiology  
 BIOD37H3 Biology of Plant Stress  
 BIOD45H3 Animal Communication  
 BIOD48H3 Ornithology and Herpetology  
 BIOD53H3 Special Topics in Behavioural Ecology

3.0 Credits of Additional C- or D-Level Biology Courses

Choose from:

Any BIO (or formerly BGY) C- or D-level courses offered by the department.

Note: this includes the Biology Team Research, Supervised Studies and Directed Research courses (BIOC99H3, BIOD95H3, BIOD98Y3 and BIOD99Y3).

Note: NROC34H3 (Neuroethology), EESC04H3 (Biodiversity and Biogeography) and EESC30H3 (Microbial Biogeochemistry) may also be used toward fulfilling this requirement, if not already used toward fulfilling one of the other requirements above.

***Item 4: Program change – Specialist in Human Biology (BSc)***

*Overview of Changes:*

Add BIOD37H3 as an optional course to the Third/Fourth year requirement - 1.0 Credit of D-level Biology Courses bin.

*Rationale:*

A D-level course in Plant Stress Biology (BIOD37H3) is a logical addition to this program, given that students are required to take Plants & Society (BIOB38) and have the option of taking Plant Physiology (BIOC40H3) in 3<sup>rd</sup> year. An exploration of plant biology courses is essential for students to gain an appreciation of the role of plants in human health and society. In addition, the inclusion of BIOD37H3 increases the number of biology D-level courses available to students within the program.

*Calendar Copy Showing Changes:*

## SPECIALIST PROGRAM IN HUMAN BIOLOGY (SCIENCE)

*Supervisor:* A. Ashok *Email:* human-biology@utsc.utoronto.ca

The Human Biology specialist program provides a solid foundation of introductory science courses and core biology courses while emphasizing, in the upper years, issues related to human health, the nature of humans and their culture as well as the interaction of the human species with the environment. The first year of the program emphasizes introductory courses in biology, chemistry, calculus, physics and psychology. The second year of the program emphasizes core courses in cell biology, molecular biology, physiology, ecology, evolution and anatomy that provide the basis for continued specialization in the third and fourth years. The upper years of the program emphasize specialized courses in anatomy, histology, anthropology, biochemistry, endocrinology, immunology, microbiology, physiology, psychology, pathology and pathobiology. This program is suited for those students who wish to go onto health-related fields such as medicine, dentistry, nursing, pharmacy, physiotherapy and health policy/management or graduate studies in these, and other, areas such as physiology, medicine and endocrinology.

### Program Requirements

This Program consists of 15.5 credits.

### Required Courses and Suggested Course Sequence

#### *First Year*

1.0 Credit of Introductory Biology Courses

BIOA01H3 Life on Earth: Unifying Principles

BIOA02H3 Life on Earth: Form, Function and Interactions

1.0 Credit of Introductory Chemistry Courses

CHMA10H3 Introductory Chemistry I: Structure and Bonding

CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms

1.0 Credit of Mathematics

MATA30H3 Calculus I for Biological and Physical Sciences

MATA35H3 Calculus II for Biological Sciences

1.0 Credit of Introductory Physics Courses

PHYA11H3 Introduction to Physics IB

PHYA22H3 Introduction to Physics IIB

1.0 Credit of Introductory Psychology Courses

PSYA01H3 Introductory Psychology: Part I

PSYA02H3 Introductory Psychology: Part II

#### *Second Year*

3.0 Credits of Biology Core Courses

BIOB10H3 Cell Biology  
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes  
[(BIOB30H3) Mammalian Physiology I or BIOB34H3 Animal Physiology]  
[(BIOB31H3) Plant Physiology or BIOB38H3 Plants and Society]  
BIOB50H3 Ecology  
BIOB51H3 Evolutionary Biology

1.0 Credit of Biology Core Labs

BIOB32H3 Animal Physiology Laboratory  
BIOB33H3 Human Development and Anatomy Laboratory

1.0 Credit of Organic Chemistry Courses

CHMB41H3 Organic Chemistry I  
CHMB42H3 Organic Chemistry II

*Third/Fourth Years*

2.0 Credits of C-level Biology Core Courses

BIOC15H3 Genetics  
BIOC17H3 Microbiology  
BIOC32H3 Human Physiology I  
BIOC39H3 Immunology

1.5 Credits of Additional C-level Biology Courses

Choose From:

BIOC10H3 Cell Biology: Proteins from Life to Death  
BIOC12H3 Biochemistry I: Proteins and Enzymes  
BIOC13H3 Biochemistry II: Bioenergetics and Metabolism  
BIOC14H3 Genes, Environment and Behaviour  
BIOC16H3 Evolutionary Genetics and Genomics  
BIOC19H3 Animal Developmental Biology  
BIOC21H3 Vertebrate Histology: Cells and Tissues  
[BIOC33H3 Human Physiology II: Lecture and Laboratory or BIOC34H3 Human Physiology II:  
Lecture]  
BIOC40H3 Plant Physiology  
BIOC58H3 Biological Consequences of Global Change  
BIOC65H3 Environmental Toxicology

1.0 Credit of D-level Biology Courses

Choose From:

BIOD17H3 Seminars in Cellular Microbiology  
BIOD19H3 Epigenetics in Health and Disease  
BIOD26H3 Fungal Biology and Pathogenesis  
BIOD27H3 Molecular Endocrinology  
BIOD29H3 Pathobiology of Human Disease  
BIOD33H3 Comparative Animal Physiology  
**BIOD37H3 Biology of Plant Stress**  
BIOD43H3 Animal Movement and Exercise

### BIOD65H3 Pathologies of the Nervous System

0.5 Credit in Statistics

Choose From:

STAB22H3 Statistics I

PSYB07H3 Data Analysis in Psychology

0.5 Credit in Psychology or Health Studies

Choose From any B-, C- or D-level Psychology course, or from the Health Studies courses listed below:

HLTB15H3 Introduction to Health Research Methodology

HLTB16H3 Introduction to Public Health

HLTB17H3 Conceptual Models of Health

HLTB20H3 Contemporary Human Evolution and Variation

HLTB21H3 Infectious Diseases

HLTB22H3 Biological Determinants of Health

HLTB40H3 Health Policy and Health Systems

### ***Item 5: Program change – Major in Human Biology (BSc)***

#### *Overview of Changes:*

Add our new course, BIOD08H3 [or NROD08H3] (Theoretical Neuroscience) as an optional course to the Third/Fourth year requirement - 0.5 Credit of Additional D-Level Biology Courses bin.

#### *Rationale:*

This is a new advanced course in neuroscience that focuses on information theory and neural coding. It is a suitable capstone course for our Major Program in Human Biology.

#### *Calendar Copy Showing Changes:*

### MAJOR PROGRAM IN HUMAN BIOLOGY (SCIENCE)

*Supervisor:* A. Ashok *Email:* human-biology@utsc.utoronto.ca

The Human Biology major program provides training and background in general biology with the opportunity to concentrate on courses in upper years that are related to human health. Upper year courses are available in physiology, cell and molecular biology, anatomy, microbiology, pathology, endocrinology, anthropology, psychology and biochemistry. This program is suitable for students with an interest in applied biology in health sciences or in social sciences related to human health.

#### Program Requirements:

This program consists of 8.5 credits.

#### Required Courses and Suggested Course Sequence



*First Year*

1.0 Credit of Introductory Biology Courses

BIOA01H3 Life on Earth: Unifying Principles

BIOA02H3 Life on Earth: Form, Function and Interactions

1.0 Credit in Introductory Chemistry Courses

CHMA10H3 Introductory Chemistry I: Structure and Bonding

CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms

1.0 Credit in Introductory Psychology Courses

PSYA01H3 Introductory Psychology: Part I

PSYA02H3 Introductory Psychology: Part II

0.5 Credit in Mathematics or Statistics

Choose From:

MATA30H3 Calculus I for Biological and Physical Sciences

STAB22H3 Statistics I

PSYB07H3 Data Analysis in Psychology

*Second Year*

2.5 Credits of Biology Core Courses

BIOB10H3 Cell Biology

BIOB11H3 Molecular Aspects of Cellular and Genetic Processes

[(BIOB30H3) Mammalian Physiology I or BIOB34H3 Animal Physiology]

BIOB50H3 Ecology

BIOB51H3 Evolutionary Biology

0.5 Credit in a Biology Core Lab

Choose From:

BIOB32H3 Animal Physiology Laboratory

BIOB33H3 Human Development and Anatomy

*Third/Fourth Years*

1.5 Credits of Additional C-Level Courses

Choose From:

BIOC10H3 Cell Biology: Proteins from Life to Death

BIOC14H3 Genes, Environment and Behaviour

BIOC15H3 Genetics

BIOC16H3 Evolutionary Genetics and Genomics

BIOC17H3 Microbiology

BIOC19H3 Animal Developmental Biology

BIOC21H3 Vertebrate Histology: Cells and Tissues

BIOC32H3 Human Physiology I

[BIOC33H3 Human Physiology II: Lecture and Laboratory or BIOC34H3 Human Physiology II:

Lecture]

BIOC39H3 Immunology

BIOC58H3 Biological Consequences of Global Change  
 BIOC65H3 Environmental Toxicology  
 NROC61H3 Learning and Motivation  
 NROC64H3 Sensory and Motor Systems  
 NROC69H3 Synaptic Organisation and Physiology of the Brain

0.5 Credit of Additional D-Level Biology Courses

Choose From:

**BIOD08H3 Theoretical Neuroscience**

BIOD17H3 Seminars in Cellular Microbiology

BIOD19H3 Epigenetics in Health and Disease

BIOD26H3 Fungal Biology and Pathogenesis

BIOD29H3 Pathobiology of Human Disease

BIOD33H3 Comparative Animal Physiology

BIOD43H3 Animal Movement and Exercise

BIOD65H3 Pathologies of the Nervous System

BIOD95H3 Supervised Study in Biology (topic must be human-related and approved by the program supervisor)

NROD66H3 Drug Addiction

NROD67H3 Psychobiology of Aging

***Item 6: Course change – BIOA01H3***

*Rationale:*

The introductory Biology courses are designed for students who have taken Grade 12 Biology and Grade 12 Advanced Functions, and students who do not have these high-school courses are not well-prepared for first year university biology courses. The addition of the pre-requisite simply makes this explicit and brings our introductory courses in line with introductory chemistry (which requires Grade 12 Chemistry and Grade 12 Advanced Functions or Calculus) and introductory mathematics (which requires Grade 12 Calculus and Vectors).

*Calendar Copy Showing Changes:*

BIOA01H3 Life on Earth: Unifying Principles

A lecture and laboratory course providing an overview of the origins and cellular basis of life, genetics and molecular biology, evolution and the diversity of microorganisms. **Note:** that both BIOA01H3 and BIOA02H3 **must** be completed prior to taking any other Biology course.

**Prerequisite:** Grade 12 Biology and Grade 12 Advanced Functions

Exclusion: BIO120H, BIO130H, (BIO150Y), (BGYA01H3)

Breadth Requirement: Natural Sciences

***Item 7: Course change – BIOA02H3***

*Rationale:*

The introductory Biology courses are designed for students who have taken Grade 12 Biology and Grade 12 Advanced Functions, and students who do not have these high-school courses are not well-prepared for first year university biology courses. The added pre-requisite makes this

explicit and brings our introductory courses in line with introductory chemistry (which requires Grade 12 Chemistry and Grade 12 Advanced Functions or Calculus) and introductory mathematics (which requires Grade 12 Calculus and Vectors).

*Calendar Copy Showing Changes:*

**BIOA02H3 Life on Earth: Form, Function and Interactions**

A lecture and laboratory course providing an overview of the anatomy and physiology of plants and animals, population biology, ecology and biodiversity. Note: that both BIOA01H3 and BIOA02H3 must be completed prior to taking any other Biology course.

**Prerequisite:** Grade 12 Biology and Grade 12 Advanced Functions

**Exclusion:** BIO120H, BIO130H, (BIO150Y), (BGYA02H3)

**Breadth Requirement:** Natural Sciences

**Item 8: Course change – BIOC10H3**

*Rationale:*

The topics covered in BIOC10H do not overlap with any of the topics covered in CSB331H, despite the fact that these are both advanced cell biology courses. Indeed, the topics covered in CSB331H are complementary to the topics that are covered in BIOC10H. Hence, removing the exclusion will be beneficial to students, by allowing them to take both courses as part of an undergraduate degree.

*Calendar Copy Showing Changes:*

**BIOC10H3 Cell Biology: Proteins from Life to Death**

This course builds on fundamental cell biology concepts using primary literature. This course will examine specific organelles and their functions in protein biogenesis, modification, trafficking, and quality control within eukaryotic cells. The experimental basis of knowledge will be emphasized and students will be introduced to hypothesis-driven research in cell biology.

**Prerequisite:** [BIOB10H3 & BIOB11H3] or BIOB10Y3

**Exclusion:** ~~CSB331H~~, CSB428H, BIO315H

**Recommended Preparation:** BIOC12H3

**Enrolment Limits:** 50

**Breadth Requirement:** Natural Sciences

**Item 9: Course change – BIOC17H3**

*Rationale:*

Currently, a second year lab course is a required prerequisite for BIOC17H (Microbiology).

However, careful consideration of BIOC17 indicates that the other prerequisites [(BIOB10H and BIOB11H) or BIOB10Y] provide sufficient background and preparation for BIOC17. Students receive sufficient preparation for the lab component of BIOC17 from the lab components of the two Introductory Biology course BIOA01H and BIOA02H. Students must complete BIOA01 and BIOA02 before BIOB10 and BIOB11, thus all students in BIOC17H will have taken Introductory Biology.

*Calendar Copy Showing Changes:***BIOC17H3 Microbiology**

This course presents an overview of the microbial world and introduces the students, in more detail, to the physiological, cellular and molecular aspects of bacteria. The laboratories illustrate principles and provide training in basic microbiological techniques essential to microbiology and to any field where recombinant DNA technology is used.

Prerequisite: [[BIOB10H3 & BIOB11H3] or BIOB10Y3] & ~~[one of BIOB12H3 or BIOB32H3 or BIOB33H3 or BIOB52H3]~~

Exclusion: (BGYC17H3), MGY377H, (MBY377H)

Breadth Requirement: Natural Sciences

**Item 10: Course change – BIOC23H3***Rationale:*

Analysis of the course content of BIOC23H3 and BIOC13H3 indicates that BIOC13H3 is not required as a corequisite for BIOC23H3. Course content, learning objectives, and student success in BIOC23 are not dependant on students completing or concurrently enrolling in BIOC13.

Removing this corequisite will also allow students in Biology and DPES programs more options and flexibility for completing program requirements.

*Calendar Copy Showing Changes:***BIOC23H3 Practical Approaches to Biochemistry**

A lecture and laboratory course that introduces students to experimental approaches used in biochemical research.

Topics include practical and theoretical aspects of: spectrophotometry; chromatography; electrophoresis; radioisotopes; enzyme assays, protein purification and approaches to identify protein-protein interactions. Students are expected to solve numerical problems involving these and related procedures.

Prerequisite: BIOB12H3 & BIOC12H3

~~Corequisite: BIOC13H3~~

Exclusion: BCH370H, BCH371H, (BGYC23H3)

Breadth Requirement: Natural Sciences

**Item 11: Course change – BIOC99H3***Rationale:*

The calendar entry for this course is changing solely to streamline administration of enrollment and clarify this process for students. There have been no changes in the course content, learning outcomes, or methods of assessment, and these changes do not affect other courses. This is a special research course that requires students find a supervisor and a research group of their peers prior to the department approving their enrollment. That information is now communicated more clearly.

*Calendar Copy Showing Changes:***BIOC99H3 Biology Team Research**

~~In this introduction course is meant to provide an introduction to academic research. A group of 3-5 students works with a faculty supervisor and TA together to develop a research proposal and/or implement a research project. Prior to registering, students must find a faculty supervisor, form a group, then submit a permission form to the department: The application form may be downloaded from the website: <http://www.utsc.utoronto.ca/biosci/resources-current-students>, under the general guidance of a faculty researcher. Students meet regularly with a graduate student and attend several skill development sessions. Components of assessment are determined prior to project commencement, but may be based on student contribution over the term and a final written product.~~

Prerequisite: (1) Enrolment in a UTSC major or specialist Subject POST offered by Biological Sciences & (2) ~~have completed~~ **ion of** all second year core program requirements & (3) have at least 10 full credits & (4) a cumulative GPA of at least 3.0 & (5) **a commitment from a Biology faculty member to serve as supervisor & (6) formation of a group that includes at least 2 other students.** ~~acceptance of the application by a faculty member. The application form may be downloaded from the website, <http://www.utsc.utoronto.ca/~biosci/researchOpp>~~

***Item 12: BIOD23H3****Rationale:*

This course used to be called "Special Topics in Cell Biology and Molecular Genetics" but it has since been changed to "Special Topics in Cell Biology" and only has cell biology content. The Genetics prerequisite (BIOC15) is no longer required because molecular genetics is no longer a component of this course.

*Calendar Copy Showing Changes:***BIOD23H3 Special Topics in Cell Biology**

A lecture/seminar/discussion class on contemporary topics in Cell Biology. Students will explore the primary literature becoming familiar with experimental design and methodologies used to decipher cell biology phenomena. Student seminars will follow a series of lectures and journal club discussions.

Prerequisite: BIOC12H3 & ~~BIOC15H3~~

Exclusion: (BGYD23H3)

Enrolment Limits: 24 \*Priority will be given to students enrolled in the specialist programs in Cell and Molecular Biology (Co-op and non-Co-op). Additional students will be admitted as space permits.

Breadth Requirement: Natural Sciences

***Item 13: Course change – BIOD26H3****Rationale:*

When BIOD26H was originally proposed BIOC39H (Immunology) was not offered by the Biology Department. Analysis of course content of BIOD26H indicates that BIOC39H is an acceptable prerequisite for BIOD26, and offers equivalent levels of preparation for BIOC17H

(Microbiology). Providing an additional possible prerequisite for BIOD26H increases flexibility for students who wish to take this D-level course.

*Calendar Copy Showing Changes:*

**BIOD26H3 Fungal Biology and Pathogenesis**

A lecture and tutorial based course designed to provide an overview of the fungal kingdom and the properties of major fungal pathogens that contribute to disease in animals (including humans) and plants. This course will address the mechanisms and clinical implications of fungal infections and host defence mechanisms. Topics include virulence factors and the treatment and diagnosis of infection.

Prerequisite: BIOC17H3 or BIOC39H3

Enrolment Limits: 50

Breadth Requirement: Natural Sciences

***Item 14: Course change – BIOD27H3***

*Rationale:*

Analysis of the course content of BIOD27H indicates that BIOC12H3 (Cell and Molecular Biology Laboratory) does not provide essential background and is not required for student success in BIOD27H. Removal of this prerequisite will increase student flexibility in meeting degree requirements.

*Calendar Copy Showing Changes:*

**BIOD27H3 Molecular Endocrinology**

A lecture/seminar/discussion class on contemporary topics in endocrinology. The course provides a basic knowledge of endocrine systems encompassing hormone biosynthesis, metabolism, and physiologic actions. Signal transduction from growth factors and their receptors will be emphasized. Specific topics and advances in hormone and growth factor research will be examined.

Prerequisite: (BIOB30H3) or BIOB34H3 or BIOC32H3 & ~~BIOC12H3~~

Exclusion: (BGYD27H3)

Recommended Preparation: BIOC33H3 or BIOC34H3

Enrolment Limits: 30

Breadth Requirement: Natural Sciences

***Item 15: Course change – BIOD29H3***

*Rationale:*

The topics covered in BIOC39H (Immunology) provide students with appropriate background knowledge and suitable preparation for the topics covered in BIOD29H. As BIOC39H has a large enrollment, addition of this course as a corequisite will broaden access that students have to Biology D-level courses.

*Calendar Copy Showing Changes:***BIOD29H3 Pathobiology of Human Disease**

This lecture/seminar format course will critically examine selected topics in human disease pathogenesis. Infectious and inherited diseases including those caused by human retroviruses, genetic defects and bioterrorism agents will be explored. Discussions of primary literature will encompass pathogen characteristics, genetic mutations, disease progression and therapeutic strategies.

Corequisite: BIOC10H3 or BIOC17H3 **or BIOC39H3**

Enrolment Limits: 35

Breadth Requirement: Natural Sciences

***Item 16: Course change – BIOD96Y3****Rationale:*

- This is simply a text change in the course description to better guide the students in the registration process.
- The students will have gained sufficient statistics background having completed in the B-level courses. The C-level PSYC08H3 is generally completed in the winter of the 4<sup>th</sup> year and this restricts access to the course for most students streaming correctly.
- The reduction to 14.0 credits brings this D-level research course more in line with the required number of courses for the departments other D-level research courses and thus allowing more access to the course.
- These changes have no impact on the learning outcomes, topics cover, or methods used.

*Calendar Copy Showing Changes:***BIOD96Y3 Directed Research in Paramedicine**

This course is designed to permit **critical analysis** ~~intensive examination~~ of **current topics relevant to the broad topic of paramedicine.** ~~clinical databases or published literature/reports related to emergency medicine or paramedicine.~~ Students will analyse data from these sources to address a fundamental question or concern related to patient treatment and/or outcomes from the point of view of "best practice" ~~procedures in emergency medicine or paramedicine.~~ A quantitative or statistical analysis of the problem is expected. ~~In addition to examining the question or concern from a clinical treatment perspective, students are expected to gain an appropriate level of understanding of the physiology, anatomy, pharmacology and epidemiology underlying the question that they are addressing. The project will culminate in a written report and possibly an oral presentation.~~

Students will work **independently but** under the supervision of an **industry leader, emergency medicine/paramedicine practitioner/ and/or professional/researcher involved in paramedicine,** who will guide the **in-depth study/research.** Students must also report to the **course instructor and paramedicine program supervisor.** ~~a UTSC faculty member who will serve as a co-supervisor.~~ ~~In order to enrol in this course students must seek an individual who will supervise the research and then obtain permission from the course instructor.~~

**Students must obtain a permission form from SW420B. At that time the student will be provided with an outline of the general schedule and general requirements for the course. Students are**

required to meet with the course instructor and program supervisor for complete course information and to complete their formal registration.

Prerequisite: Minimum of ~~15.0~~ 14.0 credits including PMDC54Y3 & PMDC56H3 & [PSYB07H3 or STAB22H3]. ~~& PSYC08H3 or permission of instructor.~~

## Department of Computer and Mathematical Sciences

### *Note regarding consultation:*

All changes have been approved by the Departmental Curriculum Committee, and reviewed by the Dean's Office. Where changes may have had an impact on outside academic units, appropriate consultation has taken place.

### *Item 1: Program Change – Major in Mathematics (BSc)*

#### *Overview of Changes:*

- Add MATA67H3 to requirement 1
- Delete MATC35H3 from requirement 2

#### *Rationale:*

- MATA67H3 is a new course that is double-numbered with CSCA67H3. It is being added to the program to reduce any potential confusion for students.
- MATC35H3 is being deleted so it has been removed as an option for the program.

#### *Calendar Copy Showing Changes:*

### MAJOR PROGRAM IN MATHEMATICS (SCIENCE)

Supervisor of Studies: N. Breuss (416-287-7226) Email: n.breuss@utoronto.ca

#### Program Objectives

This program provides a solid foundation in basic areas of mathematics, especially those with applications in other disciplines. This program is intended to be combined with other programs, typically a major program in another discipline.

#### Program Requirements

This stream requires a total of 17 distinct courses or (8.5 credits), chosen so as to satisfy all of the following requirements:

1. Foundational courses - 5.5 credits as follows:

[MATA67H3 or CSCA67H3 Discrete Mathematics for Computer Scientists]

MATA23H3 Linear Algebra I

[MATA30H3 Calculus I for Biological and Physical Sciences OR MATA31H3 Calculus I for Mathematical Sciences]



[MATA36H3 Calculus II for Physical Sciences OR MATA37H3 Calculus II for Mathematical Sciences (\*)]

CSCA08H3 Introduction to Computer Science I

MATB24H3 Linear Algebra II

MATB41H3 Techniques of the Calculus of Several Variables I

MATB42H3 Techniques of the Calculus of Several Variables II

MATB44H3 Differential Equations I

STAB52H3 Introduction to Probability

[MATC01H3 Groups and Symmetry OR MATC15H3 Introduction to Number Theory]

(\*) MATA31H3 is required for MATA37H3

2. Further analysis courses - 1.0 credit from the following:

MATB43H3 Introduction to Analysis

MATC27H3 Introduction to Topology

MATC34H3 Complex Variables

~~MATC35H3 Chaos, Fractals, and Dynamics~~

MATC37H3 Introduction to Real Analysis

MATC46H3 Differential Equations II

MATD34H3 Complex Variables II

3. Further algebra geometry, and discrete mathematics courses - 1.0 credit from the following:

MATC01H3 Groups and Symmetry

MATC09H3 Introduction to Mathematical Logic

MATC15H3 Introduction to Number Theory

MATC32H3 Graph Theory and Algorithms for its Applications

MATC44H3 Introduction to Combinatorics

MATC63H3 Differential Geometry

MATD01H3 Fields and Groups

MATD02H3 Classical Plane Geometries and their Transformations

4. Elective courses - 1.0 credit from the following:

MATB61H3 Linear Programming and Optimization

STAB57H3 Introduction to Statistics

any C- or D-level MAT, STA, or CSC course, excluding STAD29H3

Recommended Writing Course: Students are urged to take a course from the following list of courses by the end of their second year.

ANTA01H3, ANTA02H3, (CLAA02H3), (CTLA19H3), CTLA01H3, ENGA10H3,

ENGA11H3, ENGB06H3, ENGB07H3, ENGB08H3, ENGB09H3, ENGB17H3, ENGB19H3,

ENGB50H3, ENGB51H3, GGRA02H3, GGRA03H3, GGRB05H3, (GGRB06H3), (HISA01H3),

(HLTA01H3), ACMA01H3, (HUMA01H3), (HUMA11H3), (HUMA17H3), (LGGA99H3),

LINA01H3, PHLA10H3, PHLA11H3, WSTA01H3.

**Item 2: Course change – CSCA67H3***Rationale:*

CSCA67H3 and the new course MATA67H3 will be double numbered. No change to course content, learning outcomes, or delivery. The change in title and double numbering is intended to reduce confusion among students. The restriction to computer science students makes no sense anymore as this course is now a prerequisite for MATA37 and should be taken by all students in CSC and MAT programs.

*Calendar Copy Showing Changes:***CSCA67H3 Discrete Mathematics for ~~Computer Scientists~~**

Introduction to discrete mathematics: Elementary combinatorics; discrete probability including conditional probability and independence; graph theory including trees, planar graphs, searches and traversals, colouring. The course emphasizes topics of relevance to computer science, and exercises problem-solving skills and proof techniques such as well ordering, induction, contradiction, and counterexample.

**Same as MATA67H3**

Prerequisite: Grade 12 Calculus and Vectors & one other Grade 12 mathematics course

Exclusion: **MATA67H3**, (CSCA65H3), CSC165H, CSC240H, MAT102H

Recommended Preparation: [CSCA08H3](#) or [CSCA20H3](#)

Breadth Requirement: Quantitative Reasoning

**Item 3: Course change – MATA37H3***Rationale:*

CSCA67H3 is being double-numbered with the new course MATA67H3. The pre-requisite is being updated to acknowledge this change.

*Calendar Copy Showing Changes:***MATA37H3 Calculus II for Mathematical Sciences**

A theoretical course in calculus emphasizing proofs and techniques, as well as the intuition behind them. Axioms and basic properties of real numbers; theorems concerning differentiation and integration; fundamental theorem of calculus; numerical integration; sequences and series; Taylor polynomials and remainder; uniform convergence and power series.

Prerequisite: MATA31H3; and [**MATA67H3** or CSCA67H3]

Exclusion: (MATA21H3), MATA33H3, MATA35H3, MATA36H3, MAT123H, MAT124H, MAT125H, MAT126H, MAT133Y, MAT135Y, MAT137Y, MAT157Y, JMB170Y

Breadth Requirement: Quantitative Reasoning

**Item 4: Course change – MATC15H3***Rationale:*

The calculus courses MATA36H3 and MATA37H3 are insufficient prerequisites for MATC15H3 because they do not provide enough depth. In particular students will need more

non-trivial familiarity with functions of more than one variable. They are to be replaced with MATB41H3 Techniques of the Calculus of Several Variables I.

*Calendar Copy Showing Changes:*

**MATC15H3** Introduction to Number Theory

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: ~~[MATA36H3 or MATA37H3]~~ & MATB24H3 **and MATB41H3**

Exclusion: MAT315H

Breadth Requirement: Quantitative Reasoning

**Item 5: Course change – MATC16H3**

*Rationale:*

The original idea was that we did not require MATC15 because that might exclude interested Computer Science students. What we learned this year, was that in fact students feel that MATC15 is de facto required. So we suggest that we add MATC15 to the list of prerequisites. This means that one does not have to spend a month reviewing elementary number theory, which bores the students who have already learned it.

*Calendar Copy Showing Changes:*

**MATC16H3** Coding Theory and Cryptography

The main problems of coding theory and cryptography are defined. Classic linear and non-linear codes. Error correcting and decoding properties. Cryptanalysis of classical ciphers from substitution to DES and various public key systems [e.g. RSA] and discrete logarithm based systems. Needed mathematical results from number theory, finite fields, and complexity theory are stated.

Prerequisite: MATB24H3 **and & MATC15H3** and STAB52H3

~~Corequisite: MATC15H3 recommended~~

Breadth Requirement: Quantitative Reasoning

**Item 6: Course change – MATC82H3**

*Rationale:*

CSCA67H3 is being double-numbered with the new course MATA67H3. Changes to the prerequisite acknowledge this change.

*Calendar Copy Showing Changes:*

**MATC82H3** Mathematics for Teachers

The course discusses the Mathematics curriculum (K-12) from the following aspects: the strands of the curriculum and their place in the world of Mathematics, the nature of proofs, the applications of Mathematics, and its connection to other subjects.

Prerequisite: [[MATA67H3](#) or [CSCA67H3](#) or ([CSCA65H3](#))] and [MATA23H3](#) and [[MATA37H3](#) or [MATA36H3](#)]

Exclusion: [MAT382H](#)

Breadth Requirement: Quantitative Reasoning

## Centre for Critical Development Studies

### *Note regarding consultation:*

All changes have been approved by the Departmental Curriculum Committee, and reviewed by the Dean's Office. Where changes may have had an impact on outside academic units, appropriate consultation has taken place.

### ***Item 1: Program change – Specialist in International Development Studies (BSc); Specialist (Co-operative) in International Development Studies (BSc)***

#### *Overview of Changes:*

- Add [HLTB15H3](#) and [HLTC04H3](#) as options in requirement 3
- Add [IDSC02H3](#) as an optional course in requirement 5

#### *Rationale:*

- Addition of [HLTB15H3](#) and [HLTC04H3](#) will provide additional methods options, particularly for students interested in combining Health Studies and IDS Subject POSTs.
- Addition of [IDSC02H3](#) provides an additional IDS-focused, science-based, course option.

#### *Calendar Copy Showing Changes:*

### SPECIALIST PROGRAM IN INTERNATIONAL DEVELOPMENT STUDIES (SCIENCE)

#### Program Requirements:

This program requires 14.0 credits of which at least 4.0 must be at the C-or D- level including at least 1.0 at the D-level.

#### 1. Introduction to International Development Studies (2.0 credits):

[IDSA01H3](#) Introduction to International Development Studies

[[MGEA01H3](#)/~~([ECMA01H3](#))~~] Introduction to Microeconomics or [MGEA02H3](#)/~~([ECMA04H3](#))~~  
Introduction to Microeconomics: A Mathematical Approach]

[[MGEA05H3](#)/~~([ECMA05H3](#))~~] Introduction to Macroeconomics or [MGEA06H3](#)/~~([ECMA06H3](#))~~  
Introduction to Macroeconomics: A Mathematical Approach]

[EESA01H3](#) Introduction to Environmental Science

#### 2. Core courses in International Development (3.0 credits):

[IDSB01H3](#) Political Economy of International Development

[IDSB02H3](#) Development and Environment

[IDSB04H3](#) Introduction to International/Global Health Policy Analysis  
[IDSB06H3](#) Equity, Ethics and Justice in International Development  
[POLB90H3](#) Comparative Development in International Perspective  
[POLB91H3](#) Comparative Development in Political Perspective

3. Methods for International Development Studies (1.5 credits):

[IDSC04H3](#) Project Management I

0.5 credit in Quantitative/statistical methods from the following:

[ANTC35H3](#) Quantitative Methods in Anthropology

[MGEB11H3](#)/~~[ECMB11H3](#)~~ Quantitative Methods in Economics I

[GGRA30H3](#) Geographic Information Systems (GIS) and Empirical Reasoning

[GGRB30H3](#) Fundamentals of GIS I

[HLTB15H3](#) Introduction to Health Research Methodology

[STAB22H3](#) Statistics I

0.5 FCE in Qualitative Methods from the following:

[ANTB19H3](#) Ethnography and the Comparative Study of Human Societies

[GGRC31H3](#) Qualitative Geographical Methods: Place and Ethnography

[HLTC04H3](#) Critical Qualitative Health Research Methods

[POLC78H3](#) Political Analysis I

4. Specialized Core Courses (3.0 credits):

[BIOA01H3](#) Life on Earth: Unifying Principles

[BIOA02H3](#) Life on Earth: Form, Function and Interactions

[CHMA10H3](#) Introductory Chemistry I: Structure and Bonding

[CHMA11H3](#) Introductory Chemistry II: Reactions and Mechanisms

[MATA30H3](#) Calculus I for Biological and Physical Sciences

[[PHYA10H3](#) or [PHYA11H3](#) Introduction to Physics IA or IB]

5. 1.0 credits from:

[BIOB50H3](#) Ecology

[CHMB55H3](#) Environmental Chemistry

[EESB02H3](#) Principles of Geomorphology

[EESB03H3](#) Principles of Climatology

[EESB04H3](#) Principles of Hydrology

[EESB05H3](#) Principles of Soil Science

[EESB15H3](#) Earth History

[EESB16H3](#) Feeding Humans- The Cost to the Planet

[EESB17H3](#) Hydro Politics and Transboundary Water Resource Management

[GGRC22H3](#) Political Ecology Theory and Applications

[GGRC26H3](#) Geographies of Environmental Governance

[GGRC44H3](#) Environmental Conservation and Sustainable Development

[IDSC02H3](#) Environmental Science and Evidence-Based Policy

[PSCB57H3](#) Introduction to Scientific Computing

6. 3.0 credits from C- and D-level EES courses, with at least 0.5 credits at the D-level, from the following:

[EESC04H3](#) Biodiversity and Biogeography

- [EESC07H3](#) Groundwater
- [EESC13H3](#) Environmental Impact Assessment and Auditing
- [EESC20H3](#) Geochemistry
- [EESC21H3](#) Urban Environmental Problems of the Greater Toronto Area
- [EESD02H3](#) Contaminant Hydrogeology
- [EESD06H3](#) Climate Change Impact Assessment
- [EESD11H3](#) Process Hydrology
- [EESD15H3](#) Cleaning Up Our Mess: Remediation of Terrestrial and Aquatic Environments

7. Research in International Development Requirement (0.5 credit):

[IDSD02H3](#) ~~Supervised Research in International Development~~ **Advanced Seminar in Critical Development Studies**

### SPECIALIST (CO-OPERATIVE) PROGRAM IN INTERNATIONAL DEVELOPMENT STUDIES (SCIENCE)

Program Requirements:

This program requires 16.0 credits of which at least 4.0 must be at the C-or D- level including at least 1.0 at the D-level.

1. Introduction to International Development Studies (2.0 credits)

- [IDSA01H3](#) Introduction to International Development Studies
- [[MGEA01H3](#)/~~(ECMA01H3)~~ Introduction to Microeconomics or [MGEA02H3](#)/~~(ECMA04H3)~~ Introduction to Microeconomics: A Mathematical Approach]
- [[MGEA05H3](#)/~~(ECMA05H3)~~ Introduction to Macroeconomics or [MGEA06H3](#)/~~(ECMA06H3)~~ Introduction to Macroeconomics: A Mathematical Approach]
- [EESA01H3](#) Introduction to Environmental Science

2. Core courses in International Development (3.0 credits)

- [IDSB01H3](#) Political Economy of International Development
- [IDSB02H3](#) Development and Environment
- [IDSB04H3](#) **Introduction to International/Global Health Policy Analysis**
- [IDSB06H3](#) Equity, Ethics and Justice in International Development
- [POLB90H3](#) Comparative Development in International Perspective
- [POLB91H3](#) Comparative Development in Political Perspective

3. Methods for International Development Studies (1.5 credits)

- [IDSC04H3](#) Project Management I
- 0.5 credit in Quantitative/statistical methods from the following:
  - [ANTC35H3](#) Quantitative Methods in Anthropology
  - [MGEB11H3](#)/~~(ECMB11H3)~~ Quantitative Methods in Economics I
  - [GGRA30H3](#) Geographic Information Systems (GIS) and Empirical Reasoning
  - [GGRB30H3](#) Fundamentals of GIS I
  - [HLTB15H3](#) **Introduction to Health Research Methodology**
  - [STAB22H3](#) Statistics I
- 0.5 FCE in Qualitative Methods from the following:

[ANTB19H3](#) Ethnography and the Comparative Study of Human Societies  
[GGRC31H3](#) Qualitative Geographical Methods: Place and Ethnography  
[HLTC04H3](#) **Critical Qualitative Health Research Methods**  
[POLC78H3](#) Political Analysis I

4. Specialized Courses: Core (3.0 credits)

[BIOA01H3](#) Life on Earth: Unifying Principles  
[BIOA02H3](#) Life on Earth: Form, Function and Interactions  
[CHMA10H3](#) Introductory Chemistry I: Structure and Bonding  
[CHMA11H3](#) Introductory Chemistry II: Reactions and Mechanisms  
[MATA30H3](#) Calculus I for Biological and Physical Sciences  
[[PHYA10H3](#) or [PHYA11H3](#) Introduction to Physics IA or IB]

5. 1.0 credit from:

[BIOB50H3](#) Ecology  
[CHMB55H3](#) Environmental Chemistry  
[EESB02H3](#) Principles of Geomorphology  
[EESB03H3](#) Principles of Climatology  
[EESB04H3](#) Principles of Hydrology  
[EESB05H3](#) Principles of Soil Science  
[EESB15H3](#) Earth History  
[EESB16H3](#) Feeding Humans- The Cost to the Planet  
[EESB17H3](#) Hydro Politics and Transboundary Water Resource Management  
[GGRC22H3](#) Political Ecology Theory and Applications  
[GGRC26H3](#) Geographies of Environmental Governance  
[GGRC44H3](#) Environmental Conservation and Sustainable Development  
[IDSC02H3](#) **Environmental Science and Evidence-Based Policy**  
[PSCB57H3](#) Introduction to Scientific Computing

6. 3.0 credits from C- and D-level EES courses, with at least 0.5 credits at the D-level, from the following:

[EESC04H3](#) Biodiversity and Biogeography  
[EESC07H3](#) Groundwater  
[EESC13H3](#) Environmental Impact Assessment and Auditing  
[EESC20H3](#) Geochemistry  
[EESC21H3](#) Urban Environmental Problems of the Greater Toronto Area  
[EESD02H3](#) Contaminant Hydrogeology  
[EESD06H3](#) Climate Change Impact Assessment  
[EESD11H3](#) Process Hydrology  
[EESD15H3](#) Cleaning Up Our Mess: Remediation of Terrestrial and Aquatic Environments

7. Co-operative, Language and Thesis Requirements (2.5 credits):

1.0 full credits in a second language

[IDSC01H3](#) Research Design for Development Fieldwork\* (\*must be taken prior to co-op placement)

[IDSD01Y3](#) Post-placement Seminar and Thesis

***Item 2: Program change – Specialist in International Development Studies (BA); Specialist (Co-operative) in International Development Studies (BA)***

*Overview of Changes:*

- Add HLTB15H3 and HLTC04H3 as options in requirement 3
- Add IDSD10H3 to a list of possible options in requirement 5
- Update optional courses in area clusters

Changes to requirements 1 to 5 apply to the Specialist (Co-operative) Program in International Development Studies (Arts)

Changes to the IDS cluster courses apply to the Major Program in International Development Studies (Arts).

*Rationale:*

- Addition of HLT methods courses will provide additional methods options, particularly for students interested in combining Health Studies and IDS Subject POSTs.
- A general update of options courses in area clusters to reflect current realities.

*Calendar Copy Showing Changes:*

SPECIALIST PROGRAM IN INTERNATIONAL DEVELOPMENT STUDIES (ARTS)  
 SPECIALIST (CO-OPERATIVE) PROGRAM IN INTERNATIONAL DEVELOPMENT STUDIES (ARTS)

Program Requirements

This program requires 13.0 full credits of which at least 6.0 must be at the C- or D-level including at least 1.0 at the D-level.

1. Introduction to International Development Studies (2.0 full credits as follows)

IDSA01H3 Introduction to International Development Studies  
~~[MGEA01H3/(ECMA01H3)-Introduction to Microeconomics or MGEA02H3/(ECMA04H3) Introduction to Microeconomics: A Mathematical Approach]~~  
~~[MGEA05H3/(ECMA05H3)-Introduction to Macroeconomics or MGEA06H3/(ECMA06H3) Introduction to Macroeconomics: A Mathematical Approach]~~  
 EESA01H3 Introduction to Environmental Science

2. Core courses in International Development (3.0 full credits as follows)

IDSB01H3 Political Economy of International Development  
 IDSB02H3 Development and Environment  
 IDSB04H3 **Introduction to International/Global Health Policy Analysis**  
 IDSB06H3 Equity, Ethics and Justice in International Development  
 POLB90H3 Comparative Development in International Perspective  
 POLB91H3 Comparative Development in Political Perspective

3. Methods for International Development Studies (1.5 full credits as follows)

IDSC04H3 Project Management I



0.5 FCE in Statistics/Quantitative Methods  
 ANTC35H3 ~~Qualitative~~ **Quantitative** Methods in Anthropology  
 MGE11H3/~~ECMB11H3~~ ~~Qualitative~~ **Quantitative** Methods in Economics I  
 GGRA30H3 Geographic Information Systems (GIS) and Empirical Reasoning  
 GGRB30H3 Fundamentals of GIS **I**  
**HLTB15H3 Introduction to Health Research Methodology**  
 STAB22H3 Statistics I  
 0.5 FCE in Qualitative Methods  
 ANTB19H3 Ethnography and the Comparative Study of Human Societies  
**HLTC04H3 Critical Qualitative Health Research Methods**  
 GGRC31H3 Qualitative Geographical Methods: Place and Ethnography  
 POLC78H3 Political Analysis I

4. Research in International Development Requirement (0.5 credit):  
~~IDSD02H3 Supervised Research in International Development~~ **Advanced Seminar in Critical Development Studies: Theory and Policy**

5. Specialized Courses: Approaches to International Development (6.0 full credits)  
 A minimum of 2.0 full credits must be chosen from two different clusters below for a total of 4.0 full credits. The other 2.0 full credits may be selected from any of the courses listed below, and IDSA02H3/AFSA03H3, IDSC07H3, IDSC10H3, **IDSD10H3**, IDSD14H3 and IDSD15H3 may also be counted towards the completion of this requirement.

*Media and Development*

ANTC53H3 Anthropology of Media and Publics  
 GASC40H3/**MDSC40H3** Chinese Media and Politics  
 GASC41H3/**MDSC41H3** Media and Popular Culture in East and Southeast Asia  
 IDSB10H3 Knowledge and Communication for Development  
 IDSC08H3 Media and Development  
**MDSB05H3/GASB05H3** Media and Globalization  
 MDSB61H3 Critical Approaches to Digital Media  
 SOCC08H3 Gender and Information Technology  
 SOCC44H3 Media and Society  
**VPHB50H3 Africa Through the Photographic Lens**

*Culture and Society*

**ANTB05H3/AFSB05H3 Culture and Society in Africa**  
 ANTB20H3 Culture, Politics and Globalization  
 ANTB64H3 The Anthropology of Foods  
 ANTC10H3 Anthropological Perspectives on Development  
 ANTC34H3 The Anthropology of Transnationalism  
 ANTC66H3 Anthropology of Tourism  
~~DTSB01H3 Diaspora and Transnationalism Studies I~~  
~~DTSB02H3 Diaspora and Transnationalism Studies II~~  
**GGRD14H3 Social Justice and the City**  
 HISB51H3/AFSB51H3 Twentieth Century Africa  
**HISB57H3/GASB57H3** Sub-Continental Histories: South Asia in the World

HISC29H3 Global Commodities: Nature, Culture, History  
 HISC55H3 War and Society in Modern Africa  
~~IDSC08H3 Media and Development~~  
 IDSD06H3 Feminist and Postcolonial Perspectives in Development Studies  
 SOCC25H3 Ethnicity, Race and Migration  
 SOCC29H3 Special Topics in Sociology of Family  
 SOCC34H3 Migrations & Transnationalisms  
 SOCC58H3 Global Transformations: Politics, Economy & Society

*Economics of Development*

ANTC19H3 Producing People and Things: Economics and Social Life  
 MGEB32H3/~~(ECMB36H3)~~ Economic Aspects of Public Policy  
 MGEB60H3/~~(ECMB68H3)~~ Comparative Economic Systems  
 MGEC21H3 Classics in the History of Economic Thought  
 MGEC61H3 International Economics: Finance  
 MGEC62H3 International Economics: Trade Theory  
 MGEC63H3 Financial Crises: Causes, Consequences and Policy Implications  
 MGEC81H3/~~(ECMC66H3)~~ Economic Development  
 MGEC82H3/~~(ECMC67H3)~~ Development Policy  
 MGEC93H3 International Economics  
 IDSC12H3 Economics of Small Enterprise and Micro-Credit  
 IDSC14H3 The Political Economy of Food  
 GGRC48H3 Geographies of Urban Poverty  
 POLC98H3 International Political Economy of Finance

*Environment and Land Use*

ANTB01H3 Political Ecology  
 EESB16H3 Feeding Humans - the Cost to the Planet  
 EESB17H3 Hydro Politics and Transboundary Water Resources Management  
 GGRB21H3 Environments and Environmentalisms  
 GGRC10H3 Urbanization and Development  
 GGRC22H3 Political Ecology Theory and Application  
 GGRC25H3 Land Reform and Development  
 GGRC44H3 Environmental Conservation and Sustainable Development  
 GGRC49H3 Land, Development, and Struggle in Latin America  
 IDSC02H3 Environmental Science and Evidence-Based Policy  
 IDSD07H3/AFSD07H3 Extractive Industries in Africa

*Gender, Health and Development*

ANTC14H3 Feminism and Anthropology  
 ANTC15H3 Genders and Sexualities  
 ANTC61H3 Medical Anthropology: Illness and Healing in Cultural Perspective  
 GGRB28H3 Geographies of Disease  
 GGRD10H3 Health and Sexuality  
 HLTC02H3 Women and Health: Past and Present  
 IDSC11H3 Issues in Global and International Health  
 POLC94H3 Globalization, Gender and Development

WSTC10H3 Women and Development  
WSTC11H3 Applied Study in Women and Development

*Politics and Policy*

IDSC11H3 Issues in **Global and** International Health  
IDSC17H3 Development, Citizen Action and Social Change in the Global South  
IDSC18H3 New Paradigms in Development: The Role of Emerging Powers  
IDSD19H3 The Role of Researcher-Practitioner **Engagement** in Development  
POLB80H3 Introduction to International Relations **I**  
~~POLB81H3 Global Issues and Governance~~ **Introduction to International Relations II**  
**POLC09H3 International Security: Conflict, Crisis and War**  
**POLC16H3 Chinese Politics**  
POLC37H3 Global Justice  
POLC80H3 International Relations of Africa  
POLC87H3 International Cooperation and Institutions  
POLC88H3 The New International Agenda  
POLC90H3 Development Studies: Political and Historical Perspectives  
POLC91H3 Latin America: Dictatorship and Democracy  
POLC96H3 State Formation and Authoritarianism in the Middle East  
POLC97H3 Protest Politics in the Middle East  
POLC99H3 Latin America: Politics of the Dispossessed  
**POLD09H3 International Relations of Ethnic Conflict**  
**POLD87H3 Rational Choice and International Cooperation**  
POLD90H3 Public Policy and Human Development in the Global South  
POLD92H3 Survival and Demise of Dictatorships  
POLD94H3 Selected Topics on Developing Areas

***Item 3: Program change – Major in International Development Studies (BA)***

*Overview of Changes:*

Add HLTB15H3 and HLTC04H3 as options to requirement 3

*Rationale:*

Addition of HLT methods courses will provide additional methods options, particularly for students interested in combining Health Studies and IDS Subject POSTs.

*Calendar Copy Showing Changes:*

**MAJOR PROGRAM IN INTERNATIONAL DEVELOPMENT STUDIES (ARTS)**

**Program Requirements**

This program requires 8.0 full credits of which at least 2.0 must be at the C- or D-level.

1. Introduction to International Development Studies (0.5 credits)  
[IDSA01H3](#) Introduction to International Development Studies
2. Core courses in International Development (1.5 credits)  
1.5 full credits from the following:

[IDSB01H3](#) Political Economy of International Development

[IDSB02H3](#) Development and Environment

[IDSB04H3](#) **Introduction to International/Global Health Policy Analysis**

[IDSB06H3](#) Equity, Ethics and Justice in International Development

[POLB90H3](#) Comparative Development in International Perspective

(Students wishing to take [IDSB01H3](#) should be aware that there are A-level prerequisites for this course.)

3. Methods for International Development Studies (1.5 credits)

[IDSC04H3](#) Project Management I

0.5 credits in quantitative/statistical methods from the following:

[ANTC35H3](#) Quantitative Methods in Anthropology

[MGE11H3](#)/~~[ECMB11H3](#)~~ Quantitative Methods in Economics I

[GGRA30H3](#) Geographic Information Systems (GIS) and Empirical Reasoning

[GGRB30H3](#) Fundamentals of GIS I

[HLTB15H3](#) **Introduction to Health Research Methodology**

[STAB22H3](#) Statistics I

0.5 credits in qualitative methods from the following:

[ANTB19H3](#) Ethnography and the Comparative Study of Human Societies

[HLTC04H3](#) **Critical Qualitative Health Research Methods**

[GGRC31H3](#) Qualitative Geographical Methods: Place and Ethnolgraphy

[POLC78H3](#) Political Analysis I

4. Specialized Courses (4.5 credits)

4.5 credits from the courses listed in Requirement 5 of the B.A. version of the Specialist program in IDS with at least 1.0 credit from each of TWO of the clusters. [POLB91H3](#) may be counted toward this requirement.

**Item 4: Course change – IDSC07H3**

*Rationale:*

IDSC07H3 is not a required course for co-op students so the current enrolment limits note is misleading for students.

*Calendar Copy Showing Changes:*

IDSC07H3 Project Management II

A case study approach building on Project Management I. Examines: the art of effective communication and negotiation, visioning, participatory and rapid rural appraisal; survey design and implementation; advanced financial management and budgeting; basic bookkeeping and spreadsheet design; results based management; environmental impact assessments; cross-cultural effectiveness; and gender and development.

Prerequisite: [IDSA01H3](#) & [IDSC04H3](#)

Enrolment Limits: Limited to students in IDS Specialist and Major programs. Other students may be admitted with permission of instructor. ~~Students in the Co-op program must take this course prior to their placement year.~~

Breadth Requirement: Social & Behavioural Sciences

**Item 5: Course change – IDSD02H3**

*Rationale:*

This course will be offered in the fall term so students will have the opportunity to present their findings at the International Development Conference (IDC) in February.

*Calendar Copy Showing Changes:*

~~IDSD02H3 Supervised Research in International Development~~ **Advanced Seminar in Critical Development Studies: Theory and Policy**

~~An independent studies course open only to students in the Specialist Non-co-op Program in IDS. Students will write a series of theoretical reflections on contemporary policy issues, that contributes to a final critical development theory paper under the individual supervision of a faculty member. Students will present the results of their thinking in a conference setting.~~  
**An advanced seminar in critical development theory and policy, with an emphasis on perspectives and theories from the global South**

~~Prerequisite: 15.0 credits including IDSC04H3 IDSA01H3, completion of Requirements 1-3 and at least 2.0 credits in Requirement 4 in the Specialist Program. One of the credits from Requirement 4 must be at the C or D level. Students with a CGPA of less than 2.5 will not be admitted.~~

~~Enrolment Limits: 25 students. Restricted to students IDS Specialist BA (non-co-op) programs. If space is available, students from the IDS Major program may gain admission with the permission of the instructor.~~

**Breath Requirement: Social & Behavioural Sciences**

**Item 6: Course change – IDSD10H3**

*Rationale:*

Prerequisites of IDSB01H3 and IDSB02H3 inadvertently excluded students in the IDS Major program.

*Calendar Copy Showing Changes:*

~~IDSD10H3 Topics in International Development Studies~~

~~Contents to be determined by Instructor.~~

~~Prerequisite: 12.0 credits including IDSA01H3, IDSB01H3, IDSB02H3, and at least one other C-level course in the Social Sciences.~~

~~Enrolment Limits: 30~~ **25**

**Item 7: Course change – IDSD14H3**

*Rationale:*

Prerequisites of IDSB01H3 and IDSB02H3 inadvertently excluded students in the IDS Major program.

*Calendar Copy Showing Changes:*

**IDSD14H3 Directed Reading**

The goal of the course is for students to examine in a more extensive fashion the academic literature on a particular topic in International Development Studies not covered by existing course offering. For upper level students, whose interests are not covered in one of the other courses normally offered. Courses will normally only be available to students in their final year of study at UTSC. Students must obtain consent from the ~~Supervisor of Studies~~ **CCDS Associate Director** before registering for this course.

Prerequisite: 12.0 credits including ~~IDSA01H3 and IDSB01H3 and IDSB02H3~~ and permission of the instructor.

**Item 8: Course change – IDSD15H3**

*Rationale:*

Prerequisites of IDSB01H3 and IDSB02H3 inadvertently excluded students in the IDS Major program.

*Calendar Copy Showing Changes:*

**IDSD15H3 Directed-Reading Research**

The goal of the course is for students to prepare and write a senior undergraduate research paper in International Development Studies. For upper level students whose interests are not covered in one of the other courses normally offered. Courses will normally only be available to students in their final year of study at UTSC. Students must obtain consent from the ~~Supervisor of Studies~~ **CCDS Associate Director** before registering for this course.

Prerequisite: 12.0 credits including ~~IDSA01H3 and IDSB01H3 and IDSB02H3~~ and permission of the instructor.

**Item 9: Course change – IDSD19H3**

*Rationale:*

Change in prerequisite brings IDSD19H3 in line with other IDS D-level courses.

*Calendar Copy Showing Changes:*

**IDSD19H3 The Role of Researcher-Practitioner Engagement in Development**

This course focuses on recent theories and approaches to researcher-practitioner engagement in development. Using case studies, interviews, and extensive literature review, students will explore whether such engagements offer opportunities for effective social change and improved theory.

Prerequisite: **12.0 credits including IDSA01H3 and [1.0 credit at the B-level in IDS courses]**—

Recommended Preparation: IDSC04H3

Enrolment Limits: 25

Breadth Requirement: Social & Behavioural Sciences

## Department of English

### *Note regarding consultation:*

All changes have been approved by the Departmental Curriculum Committee, and reviewed by the Dean's Office. Where changes may have had an impact on outside academic units, appropriate consultation has taken place.

### *Item 1: Program change – Minor in Literature and Film Studies*

#### *Overview of Changes:*

Remove ENGC77H3 as an option in requirement 3

#### *Rationale:*

ENGC77H3 is being removed from the program because it is being deleted.

#### *Calendar Copy Showing Changes:*

MINOR PROGRAM IN LITERATURE AND FILM STUDIES (ARTS)

Program Supervisor: Until June 30, 2014: Maria Assif (416-208-2725). After July 1: 2014: TBA.

Email: english-program-supervisor@utsc.utoronto.ca

#### Program Requirements

4.0 full credits in English are required

#### 1. 1.5 credit as follows:

ENGB70H3 Introduction to Cinema  
ENGB75H3 Cinema and Modernity I  
ENGB76H3 Cinema and Modernity II

#### 2. 0.5 credits as follows:

ENGA10H3 Introduction to Twentieth-Century Literature and Film: 1890 to World War II  
or  
ENGA11H3 Introduction to Twentieth-Century Literature and Film: 1945 to Today

#### 3. 1.0 credits at the C-or D-level, from the following:

ENGC56H3 Literature and Media: From Page to Screen  
ENGC76H3 The Body in Modernity: Theories and Representations – Literature and Film  
~~ENGC77H3 The Body in Contemporary Culture: Theories and Representations~~  
ENGC78H3 Dystopian Visions in Fiction and Film  
ENGC82H3 Cinema Studies: Themes and Theories  
ENGC83H3 Studies in World Cinema  
ENGD52H3 Cinema: The Auteur Theory  
ENGD62H3 Topics in Postcolonial Literature and Film



ENGD91H3 Avant-Garde Cinema  
 ENGD93H3 Theoretical Approaches to Cinema  
 ENGD94H3 Stranger than Fiction: The Documentary Film

4. 1.0 additional credits in English

Note: Film courses selected from other departments and discipline will be approved for the Minor in Literature and Film Studies on a case-by-case basis.

***Item 2: Course change – ENGB51H3***

*Rationale:*

Currently there are two introductory courses that focus on issues of gender in literature at the B-level. ENGB51G3 is being moved to the C-level because it would be more effective to offer a C-level course that studies the issues in more depth and builds on what is taught at the B-level. This would also allow faculty members in a variety of fields to use the gender studies rubric for advanced study of the subject matter.

As this will now be a senior level course, students will be expected to pursue independent research questions and write at least two essays. They will also learn to use critical and theoretical terminology when discussing gender issues as they relate to genre.

*Calendar Copy Showing Changes:*

~~ENGB51H3~~ **ENGC54H3** Gender and Genre

An analysis of how gender and the content and structure of poetry, prose, and drama inform each other. Taking as its starting point Virginia Woolf's claim that the novel was the genre most accessible to women because it was not entirely formed, this course will consider how women writers across historical periods and cultural contexts have contributed to specific literary genres and how a consideration of gender impacts our interpretation of literary texts.

**Exclusion: ENGB51H3**

Breadth Requirement: Arts, Literature & Language

***Item 3: Course change – ENGC59H3***

*Rationale:*

The Pre-requisite has been revised to accommodate the new freestanding minor in Sociology (Culture, Creativity and Cities).

*Calendar Copy Showing Changes:*

**ENGC59H3** Geography and Regionalism in Literature

Analysis of space and place in literature. This course studies representations of space in literature - whether geographical, regional, or topographical - that offer conceptual alternatives to the nation, state, or tribe. Geographical or regional focus may change depending on instructor.

Prerequisite: [ENGB03H3 & **and** ENGB04H3 & **and** [one of ENGB05H3 or (ENGB01H3) or (ENGB02H3)]] **or [SOCB58H3; and an additional 4.0 credits; and registration in the Minor in**



**Culture, Creativity and Cities]**

Enrolment Limits: 45

Breadth Requirement: Arts, Literature & Language

**Item 4: Course change – ENGC83H3**

*Rationale:*

The Pre-requisite has been revised to accommodate the new freestanding minor in Sociology (Culture, Creativity and Cities).

*Calendar Copy Showing Changes:*

**ENGC83H3 Studies in World Cinema**

A study of Western films. This course analyzes a selection of African, Asian, and Middle Eastern films both on their own terms and against the backdrop of issues of colonialism and globalization.

Prerequisite: [ENGB03H3 & and ENGB04H3 & and [one of ENGB05H3 or (ENGB01H3) or (ENGB02H3)]] or [SOCB58H3; and an additional 4.0 credits; and registration in the Minor in Culture, Creativity and Cities]

Enrolment Limits: 45

Breadth Requirement: Arts, Literature & Language

## **Centre for French and Linguistics**

***Note regarding consultation:***

All changes have been approved by the Departmental Curriculum Committee, and reviewed by the Dean's Office. Where changes may have had an impact on outside academic units, appropriate consultation has taken place.

**Item 1: Program change – Major in French (BA)**

*Overview of Changes:*

- Delete FREB08H3, FREB17H3, FREC05H3, and FREC18H3 as optional courses from a bin in requirement 1
- Add FREB46H3 as an option to requirement 2; delete FREC45H3 and FRED46H3 as options in requirement 2

*Rationale:*

A number of courses are being deleted in this cycle of curriculum. As a result, it is necessary to remove and add courses from/to the list of program requirements.

Additionally, by clearly outlining which courses belong to which areas of study, students will be able to choose their courses with ease and stream through the program better as they should be able to visualize a path from year 1 to year 4 more clearly.

*Calendar Copy Showing Changes:*

MAJOR PROGRAM IN FRENCH (ARTS)

For curriculum inquiries, contact the CFL Undergraduate Assistant: [cfl-ua@utsc.utoronto.ca](mailto:cfl-ua@utsc.utoronto.ca)

Program Requirements

Students must complete 8.0 credits in French, of which at least 2.0 credits must be at the C- or D-level, including:

1. 3.5 credits as follows:
  - [FREA01H3](#)\* Language Practice I
  - [FREA02H3](#)\* Language Practice II
  - [FREB01H3](#)\* Language Practice III
  - [FREB02H3](#)\* Language Practice IV
  - [FREC01H3](#)\* Language Practice V
  - [FREC02H3](#)\* Language Practice VI
  - one of [[FREB08H3](#), (~~[FREB09H3](#)~~), [FREB17H3](#), [FREC05H3](#), [FREC18H3](#), [FRED01H3](#) [Language Practice VII: Written French](#); or [FRED06H3](#) Language Practice VIII: Oral French]
  - \* (Students with special proficiency in the French language may substitute other FRE courses with the permission of the **Associate Chair, Program Supervisor.**)
2. 1.0 credit in Linguistics:
  - Linguistics courses taught in French are:
    - [FREB44H3](#); [Introduction to Linguistics: French Phonetics and Phonology](#)
    - [FREB45H3](#); [Introduction to Linguistics: French Morphology and Syntax](#)
    - [FREB46H3](#) [History of the French Language](#)
    - [FREC48H3](#) [Sociolinguistics of French](#)
  - Linguistics courses taught in English are:
    - [FREC12H3](#); [Semantics: The Study of Meaning](#)
    - [FREC45H3](#),
    - [FREC46H3](#) [Syntax II](#)
    - [FREC47H3](#) [Special Topics in Linguistics: Pidgin and Creole Languages](#) , and ~~[FRED46H3](#)~~
3. 1.0 credit in Culture:
  - Culture courses are: [FREB22H3](#), ~~[FREB27H3](#)~~, ~~[FREB28H3](#)~~, ~~[FREB70H3](#)~~, ~~[FREB84H3](#)~~, ~~[FREC83H3](#)~~
  - [FREB22H3](#) [The Society and Culture of Quebec](#)
  - [FREB27H3](#) [Modern France](#)
  - [FREB28H3](#) [The Francophone World](#)
  - [FREB70H3](#) [Cinema of the French-Speaking World \(Title change- editorial\)](#)
  - [FREB84H3](#) [Folktale, Myth and the Fantastic in the French-Speaking World](#)
  - [FREC83H3](#) [Cultural Identities and Stereotypes in the French-Speaking World](#)
4. 2.5 additional credits in French as follows:
  - A) [FREB50H3](#) Introduction to Literature in French I
  - B) 1.0 credit in French Literature taken from **the following**:
    - [FREB35H3](#) [Francophone Literature](#)

- FREB36H3 The 20th Century Quebec Novel
  - FREB37H3 Contemporary Quebec Drama
  - FREB51H3 Literary History in Context: From the Middle Ages to the 17th Century
  - FREB55H3 Literary History in Context: 18th and 19th Centuries
  - FREC38H3 Topics in the Literature of Quebec (new title)
  - FREC58H3 Literature of the Ancien Regime
  - FREC63H3 Topics in French Literature: Encountering Foreign Cultures: Travel Writing in French
  - FREC64H3 French Fiction of the 20<sup>th</sup> and 21<sup>st</sup> Centuries (new)
  - FRED14H3 Advanced Topics in the Literature of Québec (new)
  - ~~FREB35H3, FREB36H3, FREB37H3, FREB51H3, FREB55H3, FREB84H3, FREC38H3, FREC58H3, FREC61H3, FREC63H3, and FRED12H3~~
- C) 1.0 credit in French courses not already taken

Note: At the A-level, only FREA01H3 and FREA02H3 may be counted towards a French Program.

Note: For Co-op opportunities related to the Major Program in French please see the Humanities and Social Sciences Co-operative section in this *Calendar*.

Note: Major students cannot obtain more than 0.5 credit (out of 8.0) by taking a course taught in English.

***Item 2: Program change – Specialist in Linguistics (BA)***

*Overview of Changes:*

- Change LINC05H3 to LINB10H3 in requirement 1 to reflect course level change
- Add LINB18H3 and LINC61H3 to, and delete LINC06H3 from, requirement 2 Group A; Change LINC09H3 to LIND09H3 in requirement 2 Group A to reflect course level change
- Change PLIC65H3 to LINB29H3 in requirement 2 Group B to reflect course level and nomenclature change
- Change PLIC15H3 to PLID50H3 in requirement 2 Group B to reflect course level change

*Rationale:*

There are a number of changes that are being made to course titles, designation levels, and course codes, so this must be reflected in the program requirements.

*Calendar Copy Showing Changes:*

SPECIALIST PROGRAM IN LINGUISTICS (ARTS)

For curriculum inquiries, contact the CFL Undergraduate Assistant: [cfl-ua@utsc.utoronto.ca](mailto:cfl-ua@utsc.utoronto.ca)

Program Requirements

Students must complete 12.0 credits, including 4.0 credits at the C- and D-level of which 1.0 credit must be at the D-level as follows:

1. All of the following:
  - [LINA01H3](#) Introduction to Linguistics
  - [LINA02H3](#) Applications of Linguistics
  - [LINB04H3](#) Phonology I
  - [LINB06H3](#) Syntax I
  - [LINB09H3](#) Phonetics: The Study of Speech Sounds
  - [LINC05B10H3](#) Morphology
  - [LINC02H3](#) Phonology II
  - [LINC11H3](#) Syntax II
  - [LINC12H3](#) Semantics: The Study of Meaning
2. 4.5 credits from the following, including at least 1.5 credits from Group A and at least 1.5 credits from Group B:
  - Group A
    - [LINB13H3](#) Language Diversity and Language Universals
    - [LINB20H3](#) Sociolinguistics
    - [LINB18H3](#) The Structure of English Words
    - [LINB60H3](#) Structure of Chinese
    - [LINB62H3](#) Structure of American Sign Language
    - [LINC06H3](#) Language Change
    - [LINC28H3](#) Language and Gender
    - [LINC47H3](#) Special Topics in Linguistics: Pidgin and Creole Languages
    - [LINC61H3](#) Structure of a Language
    - [LINC09H3](#) Phonetic Analysis
    - [LIND29H3](#) ~~Seminar in Sociolinguistic Methodologies~~ [Linguistic Research Methodologies](#)
  - Group B
    - ~~PLIC65~~[LINB29H3](#) Quantitative Methods in Linguistics
    - [PLIC24H3](#) First Language Acquisition
    - [PLIC25H3](#) Second Language Acquisition
    - [PLIC55H3](#) Psycholinguistics
    - ~~PLIC15D50~~[H3](#) Speech Perception
    - [PLID34H3](#) The Psycholinguistics of Reading
    - [PLID44H3](#) Acquisition of the Mental Lexicon
    - [PLID55H3](#) Disorders of Speech and Language
3. 1.0 credit of language study in one or more languages, which may include [LINB60H3](#) or [LINB62H3](#) or [LINC61H3](#); FRE or LGG courses or language courses at another campus.
4. A further 2.0 credits in any LIN, PLI, JAL or JLP courses.

**Item 3: Program change – Major in Linguistics (BA)**

*Overview of Changes:*

- Change LINC05H3 to LINB10H3 in requirement 2 to reflect course level change
- Add LINC61H3 as an option to requirement 4

*Rationale:*

The changes to the program requirements are to reflect changing one of the core requirements of the major from a C-level course to a B-level (course change form submitted- LINC05H3), and the addition of a new course to bin 4- a LIN course which can be counted as a language course for the purpose of obtaining 1.0 credits in Language for the major.

*Calendar Copy Showing Changes:*

MAJOR PROGRAM IN LINGUISTICS (ARTS)

For curriculum inquiries, contact the CFL Undergraduate Assistant: [cfl-ua@utsc.utoronto.ca](mailto:cfl-ua@utsc.utoronto.ca)

Program Requirements

Students must complete 8.0 credits, as follows:

1. [LINA01H3](#) Introduction to Linguistics  
[LINA02H3](#) Applications of Linguistics  
[LINB04H3](#) Phonology I  
[LINB06H3](#) Syntax I  
[LINB09H3](#) Phonetics: The Study of Speech Sounds
2. One of the following:  
[LINC05B10H3](#) Morphology  
[LINB20H3](#) Sociolinguistics  
[LINC12H3](#) Semantics: The Study of Meaning
3. 4.0 further credits in LIN and/or PLI, of which at least two credits must be at the C- or D-level.
4. 1.0 credit of language study in one or more languages, which may include FRE or LGG courses; language courses at another campus; [LINB60H3](#) or [LINB62H3](#)-, or [LINC61H3](#)

***Item 4: Program change – Minor in Linguistics (BA)***

*Overview of Changes:*

Change LINC05H3 to LINB10H3 in requirement 2 to reflect course level change

*Rationale:*

The changes to the program requirements are to reflect changing one of the core requirements of the minor from a C-level course to a B-level (course change form submitted- LINC05H3).

*Calendar Copy Showing Changes:*

MINOR PROGRAM IN LINGUISTICS (ARTS)

For curriculum inquiries, contact the CFL Undergraduate Assistant: [cfl-ua@utsc.utoronto.ca](mailto:cfl-ua@utsc.utoronto.ca)

Program Requirements

Students must complete 4.0 credits, as follows:

All of the following courses:

1. LINA01H3 Introduction to Linguistics  
LINA02H3 Applications of Linguistics
2. Any two of the following:  
LINB04H3 Phonology I  
LINB06H3 Syntax I  
LINB09H3 Phonetics: The Study of Speech Sounds  
~~LINC05H3~~ LINB10H3 Morphology
3. 2.0 further credits in LIN and/or PLI of which at least 1.0 credit must be at the C- or D-level.

**Item 5: Specialist in Psycholinguistics (BA)**

*Overview of Changes:*

- Change PLIC65H3 to LINB29H3 in requirement 2 to reflect course level and nomenclature change
- Change LINC05H3 to LINB10H3 in requirement 3 to reflect course level change
- Change LINC09H3 to LIND09H3 in requirement 4 to reflect course level change; Change PLIC15H3 to PLID50H3 in requirement 4 to reflect course level change; and add PLIC75H3 as an optional course to requirement 4

*Rationale:*

A number of course change proposals are going through for courses and therefore must be reflected in the program requirements section of the calendar. A new course - PLIC75H3 - is being added as an optional course to the program.

*Calendar Copy Showing Changes:*

SPECIALIST PROGRAM IN PSYCHOLINGUISTICS (ARTS)

For curriculum inquiries, contact the CFL Undergraduate Assistant: [cfl-ua@utsc.utoronto.ca](mailto:cfl-ua@utsc.utoronto.ca)

Program Requirements

Students must complete 12.5 credits, including 4.0 credits at the C- and D-levels of which 1.0 credit must be at the D-level as follows:

1. [LINA01H3](#) Introduction to Linguistics
2. [LINA02H3](#) Applications of Linguistics  
[PSYA01H3](#) Introductory Psychology: Part I  
[PSYA02H3](#) Introductory Psychology: Part II  
[LINB04H3](#) Phonology I

- [LINB06H3](#) Syntax I  
[LINB09H3](#) Phonetics: The Study of Speech Sounds  
~~PLIC65~~[LINB29H3](#) Quantitative Methods in Linguistics  
[PLIC24H3](#) First Language Acquisition  
[PLIC55H3](#) Psycholinguistics
3. 1.5 credits from the following courses:  
~~LINC05~~[B10H3](#) Morphology  
[LINB20H3](#) Sociolinguistics  
[LINC02H3](#) Phonology II  
[LINC11H3](#) Syntax II  
[LINC12H3](#) Semantics: The Study of Meaning
4. 2.5 credits from the following courses:  
[LINB62H3](#) Structure of American Sign Language  
~~LINC~~[D09H3](#) Phonetic Analysis  
[PLIC25H3](#) Second Language Acquisition  
~~PLIC75H3~~ **Language and the Brain**  
[PLID34H3](#) Psycholinguistics of Reading  
[PLID44H3](#) Acquisition of the Mental Lexicon  
~~PLID50~~~~C15H3~~ Speech Perception  
[PLID55H3](#) Disorders of Speech and Language
5. 1.5 credits from the following courses:  
[PLIC54H3](#) Speech Pathology and Speech Disorders in Children and Adults  
[PLID56H3](#) Special Topics in Language Disorders in Children  
[PSYB20H3](#) Introduction to Developmental Psychology  
[[PSYB51H3](#) Perception and Cognition *or* [PSYB57H3](#) Memory and Cognition]  
[PSYB65H3](#) Human Brain and Behaviour  
[PSYC21H3](#) Advanced Developmental Psychology
6. 2.0 further credits in LIN and/or PLI

***Item 6: Program change – FREB01H3***

*Rationale:*

FSL321Y is the St. George equivalent to both FREB01H3 and FREB02H3. It is therefore imperative that this exclusion be added to the list of exclusions to this course.

*Calendar Copy Showing Changes:*

**FREB01H3** Language Practice III

This course is concerned with the development of fluency, accuracy of expression and style through the study of grammar, composition, aural/oral practice and a variety of readings. Course work can be supplemented by audio and videotapes.

Prerequisite: [[FREA01H3](#) & [FREA02H3](#)] or equivalent.

Exclusion: (FSL261Y), (FSL281Y), **FSL321Y**, (FSL331Y), (FSL341Y) or equivalent or native proficiency

Breadth Requirement: Arts, Literature & Language

**Item 7: Course change – FREB02H3**

*Rationale:*

FSL321Y is the St. George equivalent to both FREB01H3 and FREB02H3. It is therefore imperative that this exclusion be added to the list of exclusions to this course. FSL331Y is not listed as a course in the St. George calendar, and might have been added in error (transposition error).

*Calendar Copy Showing Changes:*

FREB02H3 Language Practice IV

A continuation of FREB01H3.

Prerequisite: FREB01H3

Exclusion: (FSL261Y), (FSL281Y), **FSL321Y**, (FSL331Y), (FSL341Y) or equivalent or native proficiency

Breadth Requirement: Arts, Literature & Language

**Item 8: Course change – FREB44H3**

*Rationale:*

FRE272Y has been replaced by FRE272H, so we would like this change reflected in our list of exclusions to ensure there is no confusion amongst students. Furthermore, after consultation with faculty, it has been decided that FRE376H1 is at a higher level than FREB44H3, and there is no need to list it as an exclusion as a result.

*Calendar Copy Showing Changes:*

FREB44H3 Introduction to Linguistics: French Phonetics and Phonology

An examination of the sound system of modern French. The course will acquaint student with acoustic phonetics and the basic concept and features of the French phonetic system.

Phonological interpretation of phonetic data (from speech samples) and prosodic features such as stress and intonation will be examined.

Prerequisite: [FREA01H3 & FREA02H3] or equivalent.

Exclusion: (FRE272Y), **FRE272H** ~~FRE376H~~

Breadth Requirement: Arts, Literature & Language

**Item 9: Course change – FREB45H3**

*Rationale:*

FRE272Y has been replaced by FRE272H, so we would like this change reflected in our list of exclusions to ensure there is no confusion amongst students.

*Calendar Copy Showing Changes:*



**FREB45H3** Introduction to Linguistics: French Morphology and Syntax  
 An examination of the internal structure of words and sentences in French.  
 Covered are topics including word formation, grammatical categories, syntactic structure of simple and complex clauses, and grammatical relations of subject, predicate and complement.  
 This course complements (**FREB43H3**) and **FREB44H3**.  
 Prerequisite: [**FREA01H3** & **FREA02H3**]  
 Exclusion: (**FRE272Y**) **FRE272H**  
 Breadth Requirement: Arts, Literature & Language

***Item 10: Course change – FREB50H3***

*Rationale:*  
 FREB50H3 is going to become a core requirement for the French Specialist and Major program. It will be required that students take this course before attempting any other French Literature courses.

*Calendar Copy Showing Changes:*

**FREB50H3** Introduction to Literature in French I  
 A study of representative texts from the three major literary genres (fiction, drama, poetry). The course will introduce students to the critical reading of literary texts in French; students will acquire the basic concepts and techniques needed to analyze literature.  
 Prerequisite: [**FREA01H3** & **FREA02H3**] or equivalent.  
**Corequisite: FREB01H3**  
 Exclusion: FRE240Y  
 Breadth Requirement: Arts, Literature & Language  
**Note: FREB50H3 is a pre-requisite for all other French Literature courses at the B-, C-, and D-level.**

***Item 11: Course change – FREC12H3***

*Rationale:*  
 There are two Semantics courses offered at the St. George campus (LIN241H and LIN341H) and there is considerable overlap between both courses and FREC12H3 at UTSC.

*Calendar Copy Showing Changes:*

**FREC12H3** Semantics: The Study of Meaning  
 An introduction to the role of meaning in the structure, function, and use of language. Approaches to the notion of meaning as applied to English and French data will be examined. Same as **LINC12H3**.  
 Prerequisite: **LINA01H3** or [**FREB44H3** and **FREB45H3**]  
 Exclusion: **LINC12H3**, FRE386H, **LIN241H3**, LIN341H, (FREC49H3), (FRED49H3)  
 Breadth Requirement: History, Philosophy & Cultural Studies

**Item 12: Course change – FREC48H3**

*Rationale:*

The faculty member teaching this course feels students would greatly benefit from having some linguistic background prior to enrolling in FREC48H3.

*Calendar Copy Showing Changes:*

FREC48H3 Sociolinguistics of French

An exploration of the relationship between language and society within a francophone context. We examine how language use is influenced by social factors. Topics include dialect, languages in contact, language shift, social codes and pidgin and Creole languages. Fieldwork is an integral part of this course.

Prerequisite: [FREB01H3 & FREB02H3] or equivalent and [one of: FREB44H3, FREB45H3, FREB46H3]

Exclusion: LINB20H3, (LINB21H3)

Breadth Requirement: Social & Behavioural Sciences

**Item 13: Course change – LINB18H3**

*Rationale:*

Morphology (LINC05H3) is being moved to the B-level so there is no longer need for the exclusion to be listed.

*Calendar Copy Showing Changes:*

LINB18H3 The Structure of English Words

Description and analysis of the structure of English words, including the sound and word structure systems, with emphasis on those distinctive and characteristic features most of interest to teachers and students of the language.

Exclusion: LIN203H. ~~LINB18H3 may not be taken after or concurrently with~~ LINC05H3

Breadth Requirement: Arts, Literature & Language

**Item 14: Course change – LINC05H3**

*Rationale:*

This course is being changed to a B-level to bring it in line with LINB04H3 (Syntax) and LINB09 (Phonology) which are currently at the B-level. It was made a C-level because it was double numbered with FREC45H3 and aligned with LIN333H1 (Morphological patterns in Language). FREC45H3 is being deleted so the rationale for moving the course to the C-level no longer applies.

*Calendar Copy Showing Changes:*

~~LINC05~~B10H3 Morphology

Core issues in morphological theory, including properties of the lexicon and combinatorial principles, governing word formation as they apply to French and English words.

Same as ~~FREC45H3~~

Prerequisite: ~~LINB06H3~~ **LINA01H3** or ~~FREB45H3~~

Corequisite: ~~LINB04H3~~ and ~~LINB06H3~~

Exclusion: LIN231H, (LINB05H3), (**LINC05H3**), FRE387H, (FREC45H3)

Breadth Requirement: Arts, Literature & Language

**Item 15: Course change – LINC09H3**

*Rationale:*

The content of the course is more appropriate for a D-level. It focuses on the learning and application of advanced techniques in speech analysis, acoustic and articulatory, and takes place in a computer lab where students conduct their own analysis. The course has a significant research component; students conduct original research for their final project, developed throughout the semester—consisting of background literature research, study design, data collection in a soundproof booth, analysis, and interpretation.

*Calendar Copy Showing Changes:*

~~LINC09H3~~ Phonetic Analysis

Practical application of phonetic theory with special emphasis on instrumental and experimental techniques.

Prerequisite: LINB09H3

Exclusion: LIN423H, (**LINC09H3**)

~~Enrolment Limits: 15~~

Breadth Requirement: Natural Sciences

**Item 16: Course change – LINC12H3**

*Rationale:*

There are two Semantics courses offered at the St. George campus (LIN241H and LIN341H) and there is considerable overlap between both courses and LINC12H at UTSC.

*Calendar Copy Showing Changes:*

**LINC12H3** Semantics: The Study of Meaning

An introduction to the role of meaning in the structure, function, and use of language.

Approaches to the notion of meaning as applied to English and French data will be examined.

Same as **FREC12H3**.

Prerequisite: **LINA01H3** or [**FREB44H3** and **FREB45H3**]

Exclusion: **FREC12H3**, FRE386H, **LIN241H3**, LIN341H, (FREC49H3), (FRED49H3)

Breadth Requirement: History, Philosophy & Cultural Studies

**Item 17: Course change – LIND29H3**

*Rationale:*

The content of the course is being widened so that it can be taught by a number of different faculty members. The subject matter will change each time the course is offered, reflecting the

faculty members' area of expertise. Students are to contact the CFL Undergraduate Assistant or check on the Web Timetable for the proposed area of focus each time the course is scheduled to be offered. Additionally, there was no breadth requirement listed for this course, so we added one.

*Calendar Copy Showing Changes:*

LIND29H3 ~~Seminar in Sociolinguistic Methodologies~~ **Linguistic Research Methodologies**  
 This course focuses on ~~Teaches~~ research methodologies for sociolinguistics (interviews, corpus collection, surveys, ethnography, etc.) ~~and helps s~~Students conduct individual research studies in real-life contexts.

Prerequisite: ~~LINB20H3 and [one sociolinguistics course at the C level (e.g. LINC28H3 or (LINC30H3)]~~ **LINB04H3 and LINB06H3 and LINB10H3**

**Breadth Requirement: Arts, Literature, and Language**

**Note: Topics will vary each time the course is offered. Please check with the CFL Undergraduate Assistant or on the Web Timetable on the Registrars Office website for details regarding proposed subject matter.**

**Item 18: Course change – PLIC15H3**

*Rationale:*

A new faculty member wishes to make this course a D-level. This change would make it comparable to other specialized PLI courses at the D-level, i.e., PLID34H3 'The Psycholinguistics of Reading', PLID44H3 'Acquisition of the Mental Lexicon' and PLID55H3 'Disorders of Speech and Language'. Moreover, PLIC55H3 'Psycholinguistics' is requested as the new prerequisite for the current course, making the move of this course to the D-level logical. Moreover, the move to D-level and placing PLIC55H3 as a prerequisite will allow for a more advanced discussion of the topics, including facilitating readings from the primary literature, invaluable for critical thinking regarding the core topics covered in the course.

*Calendar Copy Showing Changes:*

~~PLIC15~~**D50**H3 **Speech Perception**

An examination of the ~~acoustics and~~ perception of human speech. ~~By looking at the acoustic properties of a variety of languages (including Tamil, Tagalog and First Nations languages), we will explore how people learn the peculiarities of their sound system and what this reveals about the nature of human speech perception.~~ **We will explore how humans cope with the variation found in the auditory signal, how infants acquire their native language sound categories, the mechanisms underlying speech perception and how the brain encodes and represents speech sounds. An emphasis will be placed on hands-on experience with experimental data analysis.**

Prerequisite: ~~LINB04H3~~ **PLIC55H3**

**Exclusion: (PLIC15H3)**

Breadth Requirement: Social & Behavioural Sciences

**Item 19: Course change – PLIC55H3**

*Rationale:*

The topics covered in the course require only knowledge of phonetics (and LINB06H3 ‘Syntax I’) and by reducing the number of prerequisites, will make the course available to more students.

*Calendar Copy Showing Changes:*

PLIC55H3 Psycholinguistics

Experimental evidence for theories of how humans produce and understand language, and of how language is represented in the mind. Topics include speech perception, word retrieval, use of grammar in comprehension and production, discourse comprehension, and the role of memory systems in language processing.

Prerequisite: ~~LINB04H3~~ or LINB06H3 or LINB09H3

Exclusion: JLP374H

Breadth Requirement: Natural Sciences

**Item 20: Course change – PLIC65H3**

*Rationale:*

Currently, students in Linguistics and Psycholinguistics have to wait until third year to take a course in quantitative methods. More broadly, as linguistics integrates more experimental techniques into its research methodologies, a knowledge and understanding of experimental methods and quantitative design is becoming increasingly necessary. More practically, by changing this course to a B-level and making LINA02 the only prerequisite, we hope to expose program students to this subject matter earlier in their undergraduate education. Additionally, a new faculty member in our department will be adding this course to his rotation, and would like to see this course at the B-level. The added motivation is that an understanding of basic experimental design and statistical techniques is important for an accurate grasp of the content in more advanced linguistics and psycholinguistics courses. Consequently, the students that take this earlier in their curriculum will be better prepared for success in their future linguistics and psycholinguistics coursework.

*Calendar Copy Showing Changes:*

~~PLIC65~~-~~LINB29H3~~ Quantitative Methods in Linguistics

An introduction to experimental design and statistical analysis for linguists. Topics include both univariate and multivariate approaches to data analysis for acoustic phonetics, speech perception, psycholinguistics, language acquisition, language disorders, and sociolinguistics.

Prerequisite: ~~At least one full credit in PLI~~ **LINA02H3**

Exclusion: LIN305H, **(PLIC65H3)**

Breadth Requirement: Quantitative Reasoning

## Department of Historical and Cultural Studies

### *Note regarding consultation:*

All changes have been approved by the Departmental Curriculum Committee, and reviewed by the Dean's Office. Where changes may have had an impact on outside academic units, appropriate consultation has taken place.

### *Item 1: Program change – Minor in African Studies*

#### *Overview of Changes:*

Delete FRED12H3 as an option in requirement 3; add FRED14H3 as an option in requirement 3

#### *Rationale:*

The Centre for French and Linguistics is deleting FRED12H3 in this curriculum cycle. They proposed a new course FRED14H3 in its place.

#### *Calendar Copy Showing Changes:*

MINOR PROGRAM IN AFRICAN STUDIES (ARTS)

*Undergraduate Advisor:* 416-287-7184 *Email:* [afs-undergrad-advisor@utsc.utoronto.ca](mailto:afs-undergrad-advisor@utsc.utoronto.ca)

#### Program Requirements

Students must complete four full credits, as follows:

1. [AFSA01H3](#) Africa in the World: An Introduction  
[AFSB01H3](#) African Worldviews
2. 1.0 credit from the following (students should check course descriptions for prerequisites):  
[AFSA03H3](#) Experiencing Development in Africa  
[AFSB05H3](#)/[ANTB05H3](#) Culture and Society in Africa  
[AFSB50H3](#) Africa in the Era of the Slave Trade  
[AFSB51H3](#) Twentieth Century Africa  
[AFSC30H3](#) Language and Society in the Arab World
3. 2.0 credits from the list below; at least 1.0 credit must be at the C- or D-level (students should check course descriptions for prerequisites):  
[AFSB50H3](#) Africa in the Era of the Slave Trade (if not used in Requirement 2)  
[AFSB51H3](#) Twentieth Century Africa (if not used in Requirement 2)  
[AFSC30H3](#) Language and Society in the Arab World (if not used in Requirement 2)  
[AFSB05H3](#)/[ANTB05H3](#) Culture and Society in Africa (if not used in Requirement 2)  
(ANTC06H3) African Cultures and Societies II: Case Studies  
[CLAC05H3](#) Environment, Society and Economy in Ptolemaic and Roman Egypt  
[ENGB17H3](#) Contemporary Literature from the Caribbean  
[ENGC51H3](#) Contemporary Arab Women Writers  
[ENGC72H3](#) Contemporary Literature from Africa  
[ENGD13H3](#) Rap Poetics

[ENGD08H3](#) Topics in African Literature  
 (ENGD61H3) James Baldwin, the African American Experience, and the Liberal Imagination  
[FREA01H3](#) Language Practice I  
[FREA02H3](#) Language Practice II  
[FREB01H3](#) Language Practice III  
[FREB02H3](#) Language Practice IV  
[FREB35H3](#) Francophone Literature  
[FREC47H3](#) Special Topics in Linguistics: Pidgin and Creole Languages  
[\(FRED12H3\)](#) Advanced Topics in Literature: Haitian Migrant Literature in Québec  
[FRED14H3](#) **The Literature of Québec: Advanced Topics**  
[GGRB28H3](#) Geographies of Disease  
[GGRC25H3](#) Land Reform and Development  
[HISC52H3](#) A History of Ethiopia  
[HISC55H3](#) War and Society in Modern Africa  
[HISD50H3](#) Southern Africa: Conquest and Resistance, 1652-1900  
[HISD51H3](#) Southern Africa: Colonial Rule, Apartheid and Liberation  
[HISD52H3](#) East African Societies in Transition  
[\(LGGA40H3\)](#) Introductory Modern Standard Arabic I  
[\(LGGA41H3\)](#) Introductory Modern Standard Arabic II  
[\(LGGB42H3\)](#) Intermediate Modern Standard Arabic I  
[\(LGGB43H3\)](#) Intermediate Modern Standard Arabic II  
[\(LGGB45H3\)](#) Modern Standard Arabic I for Students with Prior Background  
[POLC80H3](#) International Relations of Africa  
[VPHB50H3](#) Africa through the Photographic Lens  
[VPHB65H3](#) Exhibiting Africa: Spectacle and the Politics of Representation  
[WSTC13H3](#) Women, Gender and Islam

Note: Not all courses in Requirement #2 and #3 are offered every year.

***Item 2: Course change – AFSC30H3***

*Rationale:*

AFSC30H3 is being double-numbered with a new course in history – HISC96H3 (proposal submitted this cycle).

*Calendar Copy Showing Changes:*

AFSC30H3 Language and Society in the Arab World

An examination of the relationship between language, society and identity in North Africa and the Arabic-speaking Middle East from the dawn of Islam to the contemporary period. Topics include processes of Arabization and Islamization, the role of Arabic in pan-Arab identity; language conflict in the colonial and postcolonial periods; ideologies of gender and language among others.

**Same as HISC96H3**

Prerequisite: Any B-level course in African Studies, Linguistics, History, or Women’s and Gender Studies

**Exclusion: HISC96H3**

Enrolment Limits: 50  
Breadth Requirement: Arts, Literature & Language

***Item 3: Course change – GASB05H3***

*Rationale:*

Course prerequisite changed in order to 1. Clarify for students how courses relate to and build on each other; 2. Clarify for students the most efficient way to complete the major and Minor; 3. More evenly distribute course demand to help reduce wait lists. Exclusion updated to bring course into line with double-number partner course – MDSB05H3.

*Calendar Copy Showing Changes:*

GASB05H3 Media and Globalization

This course introduces students to the variety of ways cultural and social theorists have addressed notions of "globalization" and the media; It will also focus on media systems and practices over different parts of the Global South: in particular, Asian, Latin American, and Middle Eastern countries.

Same as MDSB05H3

**Prerequisite: MDSA01H3 and any 4.0 credits**

Exclusion: (~~HUMB74H3~~), MDSB05H3

Breadth Requirement: History, Philosophy & Cultural Studies

***Item 4: Course change – GASC40H3***

*Rationale:*

Deleting the enrolment limits will allow MDS/GAS to distribute course demand to help reduce wait lists.

*Calendar Copy Showing Changes:*

GASC40H3 Chinese Media and Politics

This course examines the complex and dynamic interplay of media and politics in contemporary China, and the role of the government in this process.

Same as MDSC40H3

Prerequisite: Any 4.0 credits, including [(HUMA01H3) or ACMA01H3]

Exclusion: MDSC40H3

~~Enrolment Limits: 75~~

Breadth Requirement: History, Philosophy & Cultural Studies

***Item 5: Course change – GASC41H3***

*Rationale:*

Deleting the enrolment limits will allow MDS/GAS to distribute course demand to help reduce wait lists.



*Calendar Copy Showing Changes:*

**GASC41H3 Media and Popular Culture in East and Southeast Asia**

This course introduces students to media industries and commercial popular cultural forms in East and Southeast Asia. Topics include reality TV, TV dramas, anime, and manga as well as issues such as regional cultural flows, global impact of Asian popular culture, and the localization of global media in Asia.

Same as (IEEC21H3) and MDSC41H3

Prerequisite: 4.0 credits, including [(HUMA01H3) or ACMA01H3]

Exclusion: (HUMC54H3), (IEEC21H3) and MDSC41H3

~~Enrolment Limits: 75~~

Breadth Requirement: History, Philosophy & Cultural Studies

***Item 6: Course change – GASD20H3***

*Rationale:*

GASD20H3 is double-numbered with SOCD20H3. Changes ensure the double-numbered pair are aligned.

*Calendar Copy Showing Changes:*

**GASD20H3 ~~Senior~~ Advanced Seminar: Social Change and Gender Relations in Chinese Societies**

This seminar examines the transformation and perpetuation of gender relations in contemporary Chinese societies. It pays specific attention to gender politics at the micro level and structural changes at the macro level through in-depth readings and research.

Same as GASD20H3

Prerequisite: [~~SOCA01H3 and SOCA02H3~~ and SOCB05H3 and one C-level course in SOC]

OR [GASA01H3 and GASA02H3 and one C-level course from the options in requirement #2 of the Specialist or Major programs in Global Asia Studies]

Exclusion: SOCD20H

Recommended Preparation: GASB20H3 and GASC20H3

Enrolment Limits: 20

NOTE: Topics vary from year to year. Check the Global Asia Studies website at

<http://www.uts.utoronto.ca/~hcs/programs/global-asia-studies.html> for current offerings.

***Item 7: Course change – HISC14H3***

*Rationale:*

With a number of new courses now available (at the C and D level) in the area of food studies and the rising enrolment in this particular class (as well as its broader appeal to non-HIS students), it makes sense to lower the level of this course. It fits well in the B level, as it is like other courses, a survey course, preparing students for more specialized upper level courses.

*Calendar Copy Showing Changes:*

**HISB€14H3 Edible History: History of Global Foodways**

An exploration of how eating traditions around the world have been affected by economic and social changes, including imperialism, migration, the rise of a global economy, and urbanization. Topics include: immigrant cuisines, commodity exchanges, and the rise of the restaurant. Lectures will be supplemented by cooking demonstrations.

Transnational Area

~~Prerequisite: 2.5 credits in History~~

**Exclusion: (HISC14H3)**

Breadth Requirement: History, Philosophy & Cultural Studies

**Item 8: Course change – HISC46H3**

*Rationale:*

Students without an introductory course in Canadian history at the university level struggle with the course content. The topics in HISC46 build on many of the central themes in Canadian history that are covered in HISB40H3 and HISB41H3 (e.g. the role of French-English conflict in the formation of Canadian and Quebec foreign policies; the significance of the British Empire to Canada's role in the world from 1867-1945) so it makes sense to change the Recommended Preparation courses to Pre-requisites.

*Calendar Copy Showing Changes:*

**HISC46H3 Canada and the World**

A look at Canada's evolution in relation to developments on the world stage. Topics include Canada's role in the British Empire and its relationship with the U.S., international struggles for women's rights, Aboriginal peoples' sovereignty and LGBT equality, socialism and communism, the World Wars, decolonization, the Cold War, humanitarianism, and terrorism.

Canadian Area

~~Prerequisite: Any 4.0 credits~~ **HISB40H3 or HISB41H3**

**Exclusion: HIS311H, HIS311Y**

~~Recommended Preparation: HISB40H3 & HISB41H3~~

Breadth Requirement: History, Philosophy & Cultural Studies

**Item 9: Course change – HISD14H3**

*Rationale:*

HISB92H3 is being deleted. HISB93H3 is a new course that will replace B92H3.

*Calendar Copy Showing Changes:*

**HISD14H3 Selected Topics in Modern European History**

This is a seminar-style course organized around a selected topic in Modern European History.

**Prerequisite: 7.5 credits in HIS courses, including [(HISB90H3) or (HISB91H3) or (HISB92H3) or HISB93H3]**

Enrolment Limits: 15

Breadth Requirement: History, Philosophy & Cultural Studies

***Item 10: Course change – HISD70H3***

*Rationale:*

The pre-requisite is being revised to acknowledge the recent change of HISC14H3 from the C- to the B-level.

*Calendar Copy Showing Changes:*

HISD70H3 History of Empire and Foods

A transnational history of how the rise of modern, global empires reshaped how the world produced and consumed food. This course, through cooking practicums, offers a hands-on approach to imperial and culinary histories with emphasis on plantation economies, famine, the tropical commodity trade, and the rise of national cuisines.

Transnational Area

Prerequisite: 8.0 credits, including [(HISC14H3) or HISB14H3]

Enrolment Limits: 15

Breadth Requirement: History, Philosophy & Cultural Studies

NOTE: Priority will be given to students enrolled in HIS programs. Additional students will be admitted as space permits.

***Item 11: Course change – HISD71H3***

*Rationale:*

The pre-requisite is being revised to acknowledge the recent change of HISC14H3 from the C- to the B-level.

*Calendar Copy Showing Changes:*

HISD71H3 Culinary Ethnography

This research seminar uses Scarborough as a laboratory for examining continuity and change within diasporic foodways. Students will practice ethnographic research and mapping skills to document a family meal, restaurant, market, festival, dish, or other culinary icon. They will also write an essay setting it within an appropriate analytical framework.

Prerequisite: HISC04H3 or [(HISC14H3) or HISB14H3]

Enrolment Limits: 15

Breadth Requirement: History, Philosophy & Cultural Studies

***Item 12: Course change – WSTA01H3***

*Rationale:*

UTM course added to exclusions because there is overlapping content.

*Calendar Copy Showing Changes:*

WSTA01H3 Introduction to Women's and Gender Studies

An introduction to the study of women around the world from an interdisciplinary perspective. Issues to be addressed will include: women's diversity locally and globally, patriarchal foundations, the dynamics of socialization, and the transmission and perpetuation of images of women.

Exclusion: (NEW160Y), WGS160Y, **WGS101H**

Breadth Requirement: Social & Behavioural Sciences

***Item 13: Course change – WSTB05H3***

*Rationale:*

Reducing the prerequisite to one A-level course gives students greater flexibility to move through the program. WGS360H is added as an exclusion due to overlap.

*Calendar Copy Showing Changes:*

WSTB05H3 ~~Methods of~~ **Approaches to Research and Inquiry** in Women's and Gender Studies **Using a feminist lens, various methods and methodologies of research in the humanities will be explored.** ~~and data collection in Women's and Gender Studies with an interdisciplinary and cross-cultural perspective will be examined.~~ Concepts of paradigm, power, knowledge-creation and ethics will be examined. Students will gain critical reading skills and learn the ~~Issues of~~ 'knowledge' and interpretation will be explored as will fundamentals of conducting research. There is an experiential learning component ~~to the course.~~

Prerequisite: WSTA01H3 ~~& or~~ {WSTA03H3 or (WSTA02H3)}

**Exclusion: WSG360H**

Breadth Requirement: Social & Behavioural Sciences

***Item 14: Course change – WSTB13H3***

*Rationale:*

UTM course added to exclusions because there is overlapping content.

*Calendar Copy Showing Changes:*

WSTB13H3 Gender, Media and Culture

An interdisciplinary approach to feminist critiques of the media. Gendered representation will be examined in media such as film, television, video, newspapers, magazines and on-line technologies. Students will also develop a perspective on women's participation in, and contributions toward, the various media industries.

Prerequisite: WSTA01H3 or [WSTA03H3 or (WSTA02H3)]

Exclusion: (NEW271Y), WGS271Y, **WGS205H5**

Breadth Requirement: History, Philosophy & Cultural Studies

## Department of Human Geography

***Note regarding consultation:***

All changes have been approved by the Departmental Curriculum Committee, and reviewed by the Dean’s Office. Where changes may have had an impact on outside academic units, appropriate consultation has taken place.

***Item 1: Program change – Major in City Studies (BA); Major (Co-operative) in City Studies (BA)***

*Overview of Changes:*

- Delete DTSB01H3 and DTSB02H3 from Requirement 3
- Add CITC05H3, CITC06H3 (new), GGRC12H3 (new) and GGRD14H3 as optional courses to Requirement 5; replace CITC40H3 with GGRC40H3 as an optional course in Requirement 5; update course codes for POLC66H3 and POLC67H3 in requirement 5

*Rationale:*

All changes represent general housekeeping of existing program requirements.

*Calendar Copy Showing Changes:*

MAJOR PROGRAM IN CITY STUDIES (ARTS)  
 MAJOR (CO-OPERATIVE) PROGRAM IN CITY STUDIES (ARTS)

Program Requirements

This program requires a total of 7.0 full credits.

1. Introduction to Social Science Thought (1.0 full credit from among the following):  
 ANTA01H3 Introduction to Anthropology: Becoming Human  
 ANTA02H3 Introduction to Anthropology: Culture, Society and Language  
 POLA01H3 Critical Issues in Politics I  
 POLA02H3 Critical Issues in Politics II  
 SOCA01H3 Introduction to Sociology I  
 SOCA02H3 Introduction to Sociology II  
 GGRA02H3 The Geography of Global Processes  
 GGRA03H3 Cities and Environments  
 [MGEA01H3/(ECMA01H3) Introduction to Microeconomics *or* MGEA02H3/(ECMA04H3) Introduction to Microeconomics: A Mathematical Approach]  
 [MGEA05H3/(ECMA05H3) Introduction to Macroeconomics *or* MGEA06H3/(ECMA06H3) Introduction to Macroeconomics: A Mathematical Approach]
2. Core courses (1.5 full credits including)  
 CITB02H3 Foundations of City Studies  
*and*  
 1.0 credits from among the following:  
 CITB01H3 Canadian Cities and Planning  
 CITB03H3 Social Planning and Community Development

- CITB04H3 City Politics  
 CITB08H3 Economy of Cities  
 3. Fundamentals of City Studies (at least 1.5 full credits from among the following):  
~~DTSB01H3 Introduction to Diaspora and Transnational Studies I~~  
~~DTSB02H3 Introduction to Diaspora and Transnational Studies II~~  
 [EESA05H3 Environmental Hazards or EESA06H3 Introduction to Planet Earth]  
 GGRB02H3 The Logic of Geographic Thought  
 GGRB05H3 Urban Geography  
 GGRB13H3 Social Geography  
 GGRB28H3 Geographies of Disease  
 POLB50Y3 Canadian Government and Politics  
 SOCB44H3 Sociology of Cities and Urban Life  
 WSTB12H3 Women, Violence and Resistance  
 4. Methods (1.0 full credit):  
 STAB22H3 Statistics I or equivalent  
 and 0.5 credits from among the following:  
 GGRA30H3 Geographic Information Systems (GIS) and Empirical Reasoning  
 GGRB30H3 Fundamentals of GIS  
 GGRC31H3 Qualitative Geographical Methods: Place and Ethnography  
 5. Applications (at least 2.0 full credits from among the following):  
 CITC01H3 Urban Communities and Neighbourhoods Case Study: East Scarborough  
 CITC02H3 Learning In Community Service  
 CITC03H3 Real Estate and the City  
 CITC04H3 Municipal and Planning Law in Ontario  
 CITC05H3 City Studies Workshop I  
 CITC06H3 City Studies Workshop II  
 CITC07H3 Urban Social Policy  
 CITC08H3 Cities and Community Development  
 CITC10H3 Selected Issues in City Studies  
 CITC12H3 City Structures and City Choices: Local Government, Management, and Policy Making  
 CITC14H3 Environmental Planning  
 CITC15H3 Taxing and Spending: Public Finance in Canadian Cities  
 CITC16H3 Planning and Governing the Metropolis  
 CITC17H3 Civic Engagement in Municipal Politics  
 CITC18H3 Urban Transportation Policy Analysis  
~~CITC40H3 Megacities and Global Urbanization~~  
 CITD01H3 City Issues and Strategies  
 CITD10H3 Seminar in Selected Issues in City Studies  
 CITD30H3 Supervised Research Project  
 EESC21H3 Urban Environmental Problems of the Greater Toronto Area  
 GGRC02H3 Population Geography  
 GGRC10H3 Urbanization and Development  
 GGRC11H3 Current Topics in Urban Geography  
 GGRC12H3 Transportation Geography  
 GGRC13H3 Urban Political Geography  
 GGRC27H3 Location and Spatial Development

GGRC33H3 The Toronto Region  
GGRC40H3 Megacities and Global Urbanization  
GGRC48H3 Geographies of Urban Poverty  
GGRD09H3 Feminist Geographies  
GGRD14H3 Social Justice and the City  
HISC58H3 Delhi and London: Imperial Cities, Mobile People  
POLC53H3 Canadian Environmental Politics  
PPGC66H3 (POLC66H3) Public Policy Making  
PPGC67H3 (POLC67H3) Public Policy in Canada  
SOCC26H3 Sociology of Urban Growth  
SOCC27H3 Sociology of Suburbs and Suburbanization  
WSTC14H3 Women, Community, and Policy Change  
WSTC20H3 Women and Environments

***Item 2: Program change – Minor in Human Geography***

*Overview of Changes:*

- Add Course selection guidance
- Clarification of requirement 2

*Rationale:*

The proposed changes are intended to provide students with guidance on course selection as well as clarify requirement 2.

*Calendar Copy Showing Changes:*

**MINOR PROGRAM IN HUMAN GEOGRAPHY (ARTS)**

The minor program is designed to give students a general introduction to Human Geography. Students are encouraged to select their B, C, and D level courses from one of the three areas of focus: Environmental, Urban or Social/Cultural Geography.

**Program Requirements**

This program requires the completion of 4.0 full credits in Geography including:

1. GGRA02H3 and GGRA03H3
2. An additional 3.0 credits in GGR courses of which at least 1.0 credit must be at the C- or D-level

***Item 4: Program change – Minor in Geographic Information Science (GIS)***

*Overview of Changes:*

Add GGRC12H3 (new), GGRC27H3, GGRC32H3 and EESC08H3 as optional courses to requirement 4

*Rationale:*

Requirement 4 has been expanded to provide more course options for program students to implement GIS research methods.

*Calendar Copy Showing Changes:*

MINOR PROGRAM IN GEOGRAPHIC INFORMATION SCIENCE (GIS) (ARTS)

GIS is based on the integration of digital spatial data, mapping software, and spatial analysis tools. GIS has been a core method in Geographical research for almost two decades, but is also rapidly growing in importance outside Geography, in part because of the huge amounts of new spatial data being generated by ubiquitous sensors such as smart phones with GPS locators. A growing number of research areas and careers require knowledge of GIS and cartographic presentation skills. This minor program provides training in the theory and practical application of Geographic Information Science and systems for spatial analysis, spatial data management, and cartographic representation, and is an excellent option for students pursuing Human Geography, City Studies, Critical Development Studies, Historical and Cultural Studies, Sociology, Political Science, Anthropology, Environmental Studies and Environmental Science.

Program Requirements

This program requires the completion of 4.0 credits as follows:

1. 1.0 credit from ONE of the following discipline groups:

a. Human Geography

GGRA02H3 The Geography of Global Processes

GGRA03H3 Cities and Environments CITB02H3 Foundations of City Studies

b. Anthropology

ANTA01H3 Introduction to Anthropology: Becoming Human

ANTA02H3 Introduction to Anthropology: Society, Culture and Language

c. Environmental Science

EESA01H3 Introduction to Environmental Science

EESA06H3 Introduction to Planet Earth

d. History

HISA04H3 Themes in World History I

HISA05H3 Themes in World History II

e. International Development Studies

IDSA01H3 Introduction to International Development Studies

IDSA02H3 Experiencing Development in Africa

f. Political Science

POLA01H3 Critical Issues in Politics I

POLA02H3 Critical Issues in Politics II



g. Sociology

SOCA01H3 Introduction to Sociology I

SOCA02H3 Introduction to Sociology II

2. 2.0 credits:

GGRA30H3 Geographic Information Systems (GIS) and Empirical Reasoning

GGRB30H3 Fundamentals of GIS I

GGRB32H3 Fundamentals of GIS II

GGRC30H3 Advanced GIS

3. 0.5 credit:

GGRD30H3 GIS Research Project

4. 0.5 credit from the following\*:

EESC03H3 Geographic Information Systems and Remote Sensing

GGRC12H3 Transportation Geography

GGRC27H3 Location and Spatial Development

GGRC32H3 Essential Spatial Analysis

GGRC34H3 Crowd-sourced Urban Geographies

GGRD01H3 Supervised Research Project

GGRD08H3 Research Seminar in Environmental Geography

GGRD25H3 Research Seminar in Urban Spaces

GGRD31H3 Independent Research Project

CITD01H3 City Issues and Strategies

\*Permission to count these courses towards the Minor in Geographic Information Science (GIS) must be received from the Departmental Chair or the Program Advisor, and will be granted in cases where the student's major research project employs GIS research methods.

***Item 5: Course change – CITC01H3, CITC02H3, CITC08H3***

***Rationale:***

An enrolment control will be used to restrict enrolment to City Studies students; the Calendar note is intended to more clearly communicate how students from other programs may request admission.

***Calendar Copy Showing Changes:***

**CITC01H3 Urban Communities and Neighbourhoods Case Study: East Scarborough**

This course engages students in a case study of some of the issues facing urban communities and neighbourhoods today. Students will develop both community-based and academic research skills by conducting research projects in co-operation with local residents and businesses, non-profit organizations, and government actors and agencies.

Prerequisite: [At least 1.5 credits at the B-level in ONE of the following: City Studies or Human Geography or Political Science or Sociology] ~~and permission of instructor~~

Enrolment Limits: 30

Breadth Requirement: Social & Behavioural Sciences

Note: Priority enrolment is given students registered in the City Studies programs, students from other programs may request admission through the Program Advisor at [cit-advisor@utsc.utoronto.ca](mailto:cit-advisor@utsc.utoronto.ca)

**CITC02H3 Learning in Community Service**

This will be a service learning course based in Scarborough communities in which students learn about community issues first-hand by volunteering for community based organizations. Student evaluation will be based on completion of volunteer hours and grading of student journals that will: 1. Describe the service work, and 2. Reflect on the service work and relate it to lectures and required readings.

Prerequisite: At least 1.5 credits at the B-level in CIT courses ~~and permission of instructor~~

Recommended Preparation: CITC01H3

Enrolment Limits: 30

Note: Priority enrolment is given students registered in the City Studies programs, students from other programs may request admission through the Program Advisor at [cit-advisor@utsc.utoronto.ca](mailto:cit-advisor@utsc.utoronto.ca)

**CITC08H3 Cities and Community Development**

An examination of community development as the practice of citizens and community organizations to empower individuals and groups to improve the social and economic wellbeing of their communities and neighbourhoods. The course will consider different approaches to community development and critically discuss their potential for positive urban social change.

Prerequisite: [At least 1.5 credits at the B-level in ONE of the following: City Studies or Human Geography or Political Science or Sociology] ~~and permission of instructor~~

Enrolment Limits: 30

Breadth Requirement: Social & Behavioural Sciences

Note: Priority enrolment is given students registered in the City Studies programs, students from other programs may request admission through the Program Advisor at [cit-advisor@utsc.utoronto.ca](mailto:cit-advisor@utsc.utoronto.ca)

**Item 6: Course change – GGRA30H3**

*Rationale:*

The new minor in Geographic Information Sciences and corresponding suite of new courses (GGRB30H3, GGRB32H3, GGRC30H3 and GGRD30H3) has required revisions to the exclusions amongst GIS courses at UTSC, UTM and UTSG.

*Calendar Copy Showing Changes:*

**GGRA30H3 Geographic Information Systems (GIS) and Empirical Reasoning**

Confirmatory causal modeling and GIS; map as model; GIS data input; cartographic and GIS data structures; data errors and editing; elementary spatial analysis; measurement; map comparison; classification; statistical surfaces; spatial arrangement; privacy issues.

~~Exclusion: (EESA08H3), GGR272H. GGRA30H3 may not be taken after or concurrently with EESC03H3.~~

Breadth Requirement: Quantitative Reasoning

**Item 7: Course change – GGRB21H3**

*Rationale:*

Updated exclusion reflects changes made to UTSG curriculum.

*Calendar Copy Showing Changes:*

**GGRB21H3** Environments and Environmentalisms

This foundational course explores different conceptions of 'the environment' as they have changed through space and time. It also analyzes the emergence of different variants of environmentalism and their contemporary role in shaping environmental policy and practice.

Exclusion: ENV221H, ENV222H, GGR222H, **GGR233H1**, JGE321H

Enrolment Limits: 150

Breadth Requirement: Social & Behavioural Sciences

**Item 8: Course change – GGRB30H3**

*Rationale:*

The new minor in Geographic Information Sciences and corresponding suite of new courses (GGRB30H3, GGRB32H3, GGRC30H3 and GGRD30H3) has required revisions to the exclusions amongst GIS courses at UTSC, UTM and UTSG.

*Calendar Copy Showing Changes:*

**GGRB30H3** Fundamentals of GIS I

This course provides a practical introduction to digital mapping and spatial analysis using a geographic information system (GIS). The course is designed to provide hands-on experience using GIS to analyse spatial data, and create maps that effectively communicate data meanings. Students are instructed in GIS methods and approaches that are relevant not only to Geography but also to many other disciplines. In the lectures, we discuss mapping and analysis concepts and how you can apply them using GIS software. In the practice exercises and assignments, you then learn how to do your own data analysis and mapping, gaining hands-on experience with ArcGIS software, the most widely used GIS software.

Exclusion: ~~GGR273H~~ **GGR272H1 and GGR278H5**

Recommended Preparation: **GGRA30H3**

Enrolment Limits: 150

Breadth Requirement: Quantitative Reasoning

**Item 9: Course change – GGRB32H3**

*Rationale:*

The new minor in Geographic Information Sciences and corresponding suite of new courses (GGRB30H3, GGRB32H3, GGRC30H3 and GGRD30H3) has required revisions to the exclusions amongst GIS courses at UTSC, UTM and UTSG.

*Calendar Copy Showing Changes:***GGRB32H3 Fundamentals of GIS II**

This course builds on GGRB30 Fundamentals of GIS, continuing the examination of theoretical and analytical components of GIS and spatial analysis, and their application through lab assignments. The course covers digitizing, topology, vector data models, remote sensing and raster data models and analysis, geoprocessing, map design and cartography, data acquisition, metadata, and data management, and web mapping.

Prerequisite: **GGRB30H3**

Exclusion: ~~EESC03H3, GGR273H, GGR278H~~

Enrolment Limits: 150

Breadth Requirement: Quantitative Reasoning

***Item 10: Course change – GGR C- and D-level courses****Rationale:*

With a few small adjustments to Exclusions, course descriptions, and enrolment limits for C- and D-level courses, the bulk of the proposed changes address prerequisites. Our prerequisite checks have had unsatisfactory results so the proposals above are a systematic rethinking of the Geography C and D level prerequisites. The general strategy is to open most C level courses to all a wider audience of students while using recommended preparations as guidelines for students in cross-listed programs. The D-level prerequisites allows for more accurate screening upper year students across various interdisciplinary programs.

*Calendar Copy Showing Changes:***GGRC02H3 Population Geography**

An examination of the geographical dimension to human population through the social dynamics of fertility, mortality and migration. Themes include disease epidemics, international migration, reproductive technologies, and changing family structure.

Prerequisite: **Any 8.0 credits STAB22H3 and [GGRB02H3 or CITB02H3]**

Exclusion: **GGR323H, GGR208H**

**Recommended Preparation: GGRB02H3 or CITB02H3**

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

**GGRC09H3 Current Topics in Social Geography**

Examination and discussion of current trends and issues in social geography, with particular emphasis on recent developments in concepts and methods. This course is an unique opportunity to explore a particular topic in-depth, the specific content will vary from year to year.

Prerequisite: **Any 8.0 credits GGRB02H3 & GGRB13H3**

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

**GGRC10H3 Urbanization and Development**

Examines global urbanization processes and the associated transformation of governance, social, economic, and environmental structures particularly in the global south. Themes include theories

of development, migration, transnational flows, socio-spatial polarization, postcolonial geographies of urbanization.

Prerequisite: **Any 8.0 credits** [~~GGRB02H3 and GGRB05H3~~] or [~~CITB01H3 or CITB02H3~~] or [~~1.0 credit at the B-level in IDS courses~~]

**Recommended Preparation: GGRB05H3 or CITB02H3 or IDSA01H3**

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

### GGRC11H3 Current Topics in Urban Geography

Examination and discussion of current trends and issues in urban geography, with particular emphasis on recent developments in concepts and methods. This course is a unique opportunity to explore a particular topic in-depth, the specific content will vary from year to year.

Prerequisite: **Any 8.0 credits** [~~GGRB02H3 & GGRB05H3~~] or [~~CITB01H3 & CITB02H3~~]

**Recommended Preparation: GGRB05H3 or CITB02H3**

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

### GGRC13H3 Urban Political Geography

Geographical approach to the politics of contemporary cities with emphasis on theories and structures of urban political processes and practices. Includes nature of local government, political powers of the property industry, big business and community organizations and how these shape the geography of cities.

Prerequisite: **Any 8.0 credits** [~~GGRB02H3 and GGRB05H3~~] or [~~CITB01H3 and CITB02H3~~] or ~~POLC66H3~~

**Recommended Preparation: GGRB05H3 or CITB02H3 or PPGC66H3/(POLC66H3)**

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

### GGRC21H3 Current Topics in Environmental Geography

Examination and discussion of current trends and issues in environmental geography, with particular emphasis on recent developments in concepts and methods. This course is a unique opportunity to explore a particular topic in-depth, the specific content will vary from year to year.

Prerequisite: **Any 8.0 credits** ~~GGRB02H3 & GGRB21H3, (GGRB20H3)~~

**Recommended Preparation: GGRB21H3**

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

### GGRC22H3 Political Ecology Theory and Applications

Explores how politics, the economy, history and culture shape, and are shaped by interactions of people with the physical environment. Analysis moves beyond the roles government and interest groups in shaping environmental policies, to expanding our understanding of 'politics' in (i) environmental discourses and knowledge; (ii) economic systems; (iii) regimes of natural resource ownership and use; and (iv) everyday struggles within and between communities and interest groups as they shape human-nature relationships.

Prerequisite: **Any 8.0 credits** ~~GGRB21H3 and [GGRB02H3 or IDSB02H3 or ESTB01H3]~~

**Recommended Preparation: GGRB21H3 or IDSB02H3 or ESTB01H3**

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

**GGRC24H3 Socio-Natures and the Cultural Politics of 'The Environment'**

Explores the processes through which segments of societies come to understand their natural surroundings, the social relations that produce those understandings, popular representations of nature, and how 'the environment' serves as a consistent basis of social struggle and contestation.

Prerequisite: **Any 8.0 credits** ~~GGRB13H3 or GGRB21H3~~

**Recommended Preparation: GGRB21H3**

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

**GGRC25H3 Land Reform and Development**

Land reform, which entails the redistribution of private and public lands, is broadly associated with struggles for social justice. It embraces issues concerning how land is transferred (through forceful dispossession, law, or markets), and how it is currently held. Land inequalities exist all over the world, but they are more pronounced in the developing world, especially in countries that were affected by colonialism. Land issues, including land reform, affect most development issues.

Prerequisite: **Any 8.0 credits** ~~GGRB02H3 and 1.0 credit from [GGRB13H3, GGRB21H3, IDSB01H3, IDSB02H3 or AFSB01H3]~~

**Recommended Preparation: GGRB21H3 or AFSB01H3 or IDSB02H3 or ESTB01H3**

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

**GGRC26H3 Geographies of Environmental Governance**

This course addresses the translation of environmentalisms into formalized processes of environmental governance; and examines the development of environmental institutions at different scales, the integration of different forms of environmental governance, and the ways in which processes of governance relate to forms of environmental practice and management.

Prerequisite: **Any 8.0 credits** ~~1.0 credit from [GGRB13H3, GGRB21H3, ESTB01H3]~~

**Recommended Preparation: GGRB21H3 or ESTB01H3**

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

**GGRC30H3 Advanced GIS**

This course covers advanced theoretical and practical issues of using GIS systems for research and spatial analysis. Students will learn how to develop and manage GIS research projects, create and analyze three-dimensional surfaces, build geospatial models, visualize geospatial data, and perform advanced spatial analysis. Lectures introduce concepts and labs implement them.

Prerequisite: GGRB32H3

Exclusion: GGR373H, ~~GGR321H~~

Enrolment Limits: 60

Breadth Requirement: Quantitative Reasoning

**GGRC31H3 Qualitative Geographical Methods: Place and Ethnography**

Explores the practice of ethnography (i.e. participant observation) within and outside the discipline of geography, and situates this within current debates on methods and theory. Topics

include: the history of ethnography, ethnography within geography, current debates within ethnography, the "field," and ethnography and "development."

Prerequisite: **Any 8.0 credits** ~~1.5 credits in B-level Geography~~

Enrolment Limits: 60

Breadth Requirement: History, Philosophy & Cultural Studies

### GGRC32H3 Essential Spatial Analysis

~~This course covers advanced theoretical and practical issues of using GIS systems for research and spatial analysis. Students will learn how to develop and manage GIS research projects, create and analyze three-dimensional surfaces, build geospatial models, visualize geospatial data, and perform advanced spatial analysis. Lectures introduce concepts and labs implement them. This course builds on introductory statistics and GIS courses by introducing students to the core concepts and methods of spatial analysis. With an emphasis on spatial thinking in an urban context, topics such as distance decay, distance metrics, spatial interaction, spatial distributions, and spatial autocorrelation will be used to quantify spatial patterns and identify spatial processes. These tools are the essential building blocks for the quantitative analysis of urban spatial data.~~

Prerequisite: **8.0 credits including [STAB22H3 and GGRB30H3]**

Exclusion: GGR276H

Enrolment Limits: 60

Breadth Requirement: Quantitative Reasoning

### GGRC33H3 The Toronto Region

This course examines issues of urban form and structure, urban growth and planning in the Toronto region. Current trends in population, housing, economy, environment, governance, transport, urban design and planning practices at the local level and the regional scale will be examined critically.

Prerequisite: **Any 8.0 credits** ~~1.0 credit from [GGRB02H3, GGRB05H3, CITB01H3, CITC02H3]~~

**Recommended Preparation: GGRB05H3 or CITB02H3**

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

### GGRC34H3 Crowd-sourced Urban Geographies

Significant recent transformations of geographic knowledge are being generated by the ubiquitous use of smartphones and other distributed sensors, while web-based platforms such as Open Street Map and Public Participation GIS (PPGIS) have made crowd-sourcing of geographical data relatively easy. This course will introduce students to these new geographical spaces, approaches to creating them, and the implications for local democracy and issues of privacy they pose.

Prerequisite: GGRB05H3 or **GGRB30H3** ~~GGRC30H3~~

Recommended Preparation: GGRB32H3

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

### GGRC40H3 Megacities and Global Urbanization

The last 50 years have seen dramatic growth in the global share of population living in megacities over 10 million population, with most growth in the global south. Such giant cities present distinctive infrastructure, health, water supply, and governance challenges, which are



increasingly central to global urban policy and health.

~~Same as CITC40H3—~~

Prerequisite: **Any 8.0 credits** ~~At least 1.5 credits at the B-level in ONE of the following: City Studies or Human Geography or Political Science or Sociology~~

**Recommended Preparation: GGRB05H3 or CITB02H3**

Exclusion: (CITC40H3 )

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

GGRC41H3 Current Topics in Human Geography

Examination and discussion of current trends and issues in human geography, with particular emphasis on recent developments in concepts and methods. This course is an unique opportunity to explore a particular topic in-depth, the specific content will vary from year to year.

Prerequisite: **Any 8.0 credits** ~~GGRA02H3 and GGRA03H3 and GGRB02H3 and one B-level full-credit in Human Geography—~~

**Recommended Preparation: GGRB02H3**

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

GGRC44H3 Environmental Conservation and Sustainable Development

Deals with two main topics: the origins of environmental problems in the global spread of industrial capitalism, and environmental conservation and policies. Themes include: changes in human-environment relations, trends in environmental problems, the rise of environmental awareness and activism, environmental policy, problems of sustainable development.

Prerequisite: Any 8.0 credits

**Recommended Preparation: GGRB21H3 or IDSB02H3 or ESTB01H3**

Exclusion: GGR233Y, and (GGRB20H3)

Enrolment Limits: 80

Breadth Requirement: Social & Behavioural Sciences

GGRC45H3 Local Geographies of Globalization

Examines the localized consequences of global processes. Toronto will be used as a site for understanding how individuals interact with and experience the effects of globalizing forces differently based on their unique conditions of life and how they respond to the challenges and opportunities of a globalized world.

Prerequisite: **Any 8.0 credits** ~~GGRB02H3 and [GGRB05H3 or GGRB21H3 or IDSB01H3]~~

**Recommended Preparation: GGRB05H3**

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

GGRC48H3 Geographies of Urban Poverty

How have social and economic conditions deteriorated for many urban citizens? Is the geographic gap widening between the rich and the poor? This course will explore the following themes: racialization of poverty, employment and poverty, poverty and gender socio-spatial polarization, and housing and homelessness.

Prerequisite: **Any 8.0 credits** ~~[GGRB02H3 and GGRB05H3] or [CITB01H3 and CITB02H3]~~

**Recommended Preparation: GGRB05H3 or CITB02H3 or IDSA01H3** ~~1.0 credits at the B-level~~



~~in either Human Geography or City Studies~~

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

**GGRC49H3 Land, Development, and Struggle in Latin America**

The politics of land and territorial rights are a central theme in international development practice in Latin America. This course attends to how development policy shapes access to, control of, and struggles over land and natural resources. The land and territorial struggles of women and indigenous, Afro-descendant and campesino communities inform course content.

Prerequisite: Any 8.0 credits

Recommended Preparation: ~~GGRB05H3 or GGRB13H3~~ or **GGRB21H3** or IDSA01H3

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

**GGRC50H3 Geographies of Education**

Explores the social geography of education, especially in cities. Topics include geographical educational inequalities; education, class and race; education, the family, and intergenerational class immobility; the movement of children to attend schools; education and the ‘right to the city.’

Prerequisite: **Any 8.0 credits** [~~GGRA02H3 or GGRA03H3~~] and ~~GGRB02H3~~

**Recommended Preparation: GGRB05H3 or GGRB13H3**

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

**GGRC56H3 Spaces of Travel: Unsettling Migration, Tourism, and Everyday Mobilities**

Cultural Politics and political economy of travel and mobilities across time and space. Covers migration and immigration, tourism and travel encounters, diaspora and displacement, religious missions and ~~pilgrimages~~ **pilgrimages**, study abroad and working holiday, transportation and communication technologies, and narratives of time travel. Addresses how these extraordinary and everyday mobilities and immobilities inform geographies of race, gender, sexuality, and nation.

Prerequisite: **Any 8.0 credits** ~~GGRB02H3 or CITB02H3~~

**Recommended Preparation: GGRB13H3 or CITB02H3 or SOCB60H3**

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

**GGRD01H3 Supervised Research Project**

An independent studies course open only to students in the Major Program in Human Geography. An independent studies project will be carried out under the supervision of an individual faculty member.

Prerequisite: **13.0 credits including GGRB02H3** ~~15 full credits including completion of the following requirements for the Major Program in Human Geography: 1) Introduction, 2) Theory and Concepts, 3) Methods;~~ and a cumulative GPA of at least 2.5.

**GGRD08H3 Research Seminar in Environmental Geography**

Designed for final-year Human Geography Majors, this seminar is devoted to analysis and discussion of advanced theoretical and methodological issues in Environmental Geography.

Specific content will vary from year to year. Seminar format with active student participation.  
 Prerequisite: ~~13.0 credits including GGRB21H3~~ 15.0 credits, including completion of the following requirements from the Major Program in Human Geography: 1) Introduction, 2) Theory and Concepts, 3) Methods. Priority will be given to Geography Majors with the highest CGPA.

Enrolment Limits: ~~25~~ 20

Breadth Requirement: Social & Behavioural Sciences

#### GGRD09H3 Feminist Geographies

How do gender relations shape different spaces? We will explore how feminist geographers have approached these questions from a variety of scales - from the home, to the body, to the classroom, to the city, to the nation, drawing on the work of feminist geographers.

Prerequisite: ~~13.0 credits including [GGRB13H3 or CITB02H3 or WSTB05H3]~~ 15.0 credits including 1.5 credits at the B level in GGR or WST courses

Breadth Requirement: Social & Behavioural Sciences

Enrolment Limits: ~~25~~ 20

#### GGRD10H3 Health and Sexuality

Examines links between health and human sexuality. Particularly explores sexually transmitted infections. Attention will be given to the socially and therefore spatially constructed nature of sexuality. Other themes include sexual violence, masculinities and health, reproductive health, and transnational relationships and health. Examples will be taken from a variety of countries.

Prerequisite: ~~13.0 credits including [GGRB13H3 or IDSB04H3 or WSTB05H3]~~ 15.0 credits including 1.5 credits at the B level in GGR, IDS or WST courses

Enrolment Limits: ~~25~~ 20

Breadth Requirement: Social & Behavioural Sciences

#### GGRD11H3 Advanced Geographical Theory and Methods

Designed for final-year Human Geography Majors, this reading-intensive seminar course develops analytical and methodological skills in socio- spatial analysis. We explore major theoretical/methodological traditions in geography including positivism, humanism, Marxism, and feminism, and major analytical categories such as place, scale, and networks. Particularly recommended for students intending to apply to graduate school.

Prerequisite: ~~13.0 credits including GGRB02H3~~ 15 full credits including completion of the following requirements for the Major Program in Human Geography: 1) Introduction, 2) Theory and Concepts, 3) Methods. Priority will be given to Geography Majors with the highest GPA.

Enrolment Limits: ~~25~~ 20 Restricted to Human Geography Major students.

Breadth Requirement: Social & Behavioural Sciences

#### GGRD12H3 Seminar in Selected Topics in Human Geography

Designed for final-year Human Geography Majors, this seminar is devoted to analysis and discussion of current theoretical and methodological issues in human geography. This course is an unique opportunity to explore a particular topic in-depth, the specific content will vary from year to year. Seminar format with active student participation.

Prerequisite: ~~13.0 credits including GGRB02H3~~ 15 full credits including completion of the following requirements for the Major Program in Human Geography: 1) Introduction, 2) Theory and Concepts, 3) Methods. Priority will be given to Geography Majors with the highest GPA.

Enrolment Limits: ~~25~~ 20 ~~Restricted to Human Geography Major students.~~

### GGRD14H3 Social Justice and the City

Examines links between politics of difference, social justice and cities. Covers theories of social justice and difference with a particular emphasis placed on understanding how contemporary capitalism exacerbates urban inequalities and how urban struggles such as Occupy Wall Street seek to address discontents of urban dispossession. Examples of urban social struggles will be drawn from global North and South.

Prerequisite: 13.0 credits including [GGRB05H3 or GGRB13H3 or CITB02H3 or IDSB06H3]

~~15.0 credits including 1.5 credits at the B level in CIT or GGR or IDS courses~~

Recommended Preparation: ~~GGRB05H3 or GGRB13H3 or IDSB06H3~~

Enrolment Limits: ~~25~~ 20

Breadth Requirement: Social & Behavioural Sciences

### GGRD19H3 Spaces of Multiraciality: Critical Mixed Race Theory

From Tiger Woods to Mariah Carey, the popular mixed race phenomenon has captured the popular imagination and revealed the contradictory logic of categorization underpinning racial divisions. We will explore the complexities of racial identity formation to illuminate the experiences of those who fall outside the prevailing definitions of racial identities.

Prerequisite: 13.0 credits including [GGRB13H3 or (SOCB60H3)] ~~15.0 credits including 1.5 credits at the B level in GGR or IDS courses—~~

Exclusion: (GGRC19H3)

Enrolment Limits: ~~25~~ 20

Breadth Requirement: Social & Behavioural Sciences

### GGRD25H3 Research Seminar in Urban Spaces

Designed for final-year Human Geography Majors, this seminar is devoted to analysis and discussion of current theoretical and methodological issues in urban geography. Specific content will vary from year to year. Seminar format with active student participation.

Prerequisite: 13.0 credits including [GGRB05H3 or CITB02H3] ~~15.0 credits, including completion of the following requirements from the Major Program in Human Geography: 1)~~

~~Introduction, 2) Theory and Concepts, 3) Methods.~~ Priority will be given to Geography Majors with the highest CGPA.

Enrolment Limits: ~~25~~ 20

Breadth Requirement: Social & Behavioural Sciences

### GGRD30H3 GIS Research Project

Students will design, manage and complete a research project using GIS. Students will work in teams of 4-6 to pose a research question, acquire a dataset, and organize and analyze the data to answer their question. The course will teach research design, project management, data analysis, team work, and presentation of final results.

Prerequisite: GGRC30H3

Exclusion: GGR462H

Enrolment Limits: ~~25~~ 20

Breadth Requirement: Quantitative Reasoning

### GGRD31H3 Independent Research Project

Independent research extension to one of the courses already completed in Human Geography. Enrolment requires written permission from a faculty supervisor and Associate Chair, Human Geography. Only open to students who have completed ~~10.0~~ 13.0 credits and who are enrolled in the Human Geography Major, Human and Physical Geography Major programs, or Minor Program in GIS sponsored by the Department of Human Geography.  
Prerequisite: Any ~~10.0~~ 13.0 credits  
Breadth Requirement: Social & Behavioural Sciences

## Department of Management

### *Note regarding consultation:*

All changes have been approved by the Departmental Curriculum Committee, and reviewed by the Dean's Office. Where changes may have had an impact on outside academic units, appropriate consultation has taken place.

### ***Item 1: Program change – Specialist in Economics for Management Studies (BBA); Specialist (Co-operative) in Economics for Management Studies (BBA)***

#### *Overview of Changes:*

Delete 5 optional courses from requirement #4 of the program: MGMC30H3 Event and Sponsorship Management, MGSC32H3 The Legal Environment of Business II, MGEC43H3 Organization Strategies, MGAD40H3 Management Control Systems, MGSD10H3 Knowledge Management

#### *Rationale:*

Requirement #4 of the program is focused on courses in strategic management. The deleted optional courses are being removed either because they are not really courses in strategy, or because other courses in the list are pre-requisites for these courses and would thus be taken first.

#### *Calendar Copy Showing Changes:*

SPECIALIST PROGRAM IN ECONOMICS FOR MANAGEMENT STUDIES (BACHELOR OF BUSINESS ADMINISTRATION)

SPECIALIST (CO-OPERATIVE) PROGRAM IN ECONOMICS FOR MANAGEMENT STUDIES (BACHELOR OF BUSINESS ADMINISTRATION)

*Academic Director:* Iris Au Email: [ecoss@utsc.utoronto.ca](mailto:ecoss@utsc.utoronto.ca)

This program will provide a specialization for those wishing for a substantial component of Economics in a Management degree leading to a B.B.A. The program which has a co-op option combines academic studies in economics and management with work experience in public and private enterprises. It is designed to allow students to learn practical skills of data analysis and to combine them with the interpretive skills given by knowledge of economic theory. For information on work terms please see the [Co-operative Programs](#) section of this *Calendar*.

### Program Requirements

The Specialist Program in Economics for Management Studies requires the completion of 17.0 to 18.0 credits as part of a twenty-credit B.B.A. degree.

Note: A single course may only be used once to fulfill one of the following requirements:

1. 8.5 full credits in Economics for Management Studies:

[MGEA02H3](#)/(ECMA04H3) Introduction to Microeconomics: A Mathematical Approach  
[MGEA06H3](#)/(ECMA06H3) Introduction to Macroeconomics: A Mathematical Approach  
[MGEB02H3](#)/(ECMB02H3) Price Theory: A Mathematical Approach  
[MGEB06H3](#)/(ECMB06H3) Macroeconomic Theory and Policy: A Mathematical Approach  
[MGEB11H3](#)/(ECMB11H3) Quantitative Methods in Economics I  
[MGEB12H3](#)/(ECMB12H3) Quantitative Methods in Economics II  
[MGEC02H3](#)/(ECMC02H3) Topics in Price Theory  
[MGEC06H3](#)/(ECMC06H3) Topics in Macroeconomics Theory  
[MGEC11H3](#)/(ECMC11H3) Introduction to Regression Analysis  
[MGED02H3](#)/(ECMD13H3) Advanced Microeconomic Theory  
[MGED06H3](#)/(ECMD14H3) Advanced Macroeconomic Theory  
[MGED11H3](#)/(ECMD10H3) Theory and Practice of Regression Analysis  
[MGED50H3](#)/(ECMD50H3) Workshop in Economic Research, and  
 two additional full credits in Economics for Management Studies including at least one at the C-level [excluding [MGEC91H3](#)/(ECMC91H3), [MGEC92H3](#)/(ECMC92H3), [MGEC93H3](#)/(ECMC93H3)].

2. (1.0 credit):

[[MATA32H3](#) and [MATA33H3](#)] strongly recommended, or  
 [[MATA30H3](#)/A31H3 and [MATA35H3](#)/A36H3/A37H3].

3. (7.0 to 8.0 credits depending on the combination of courses completed):

[MGMA01H3](#)/(MGTB04H3) Principles of Marketing  
[MGTA05H3](#) Foundations of Business Management or [[MGTA01H3](#)/(MGTA03H3) and [MGTA02H3](#)/(MGTA04H3)]  
[MGTA35H3](#) Management Communications for non Co-op or [MGTA36H3](#) Management Communications for Co-op or (MGTC36H3)]  
[MGAB01H3](#)/(MGTB05H3) Introductory Financial Accounting I  
[MGAB02H3](#)/(MGTB06H3) Introductory Financial Accounting II  
[MGAB03H3](#)/(MGTB03H3) Introductory Management Accounting  
[MGFB10H3](#)/(MGTB09H3) Principles of Finance  
[MGHB02H3](#) Managing People and Groups in Organizations or [([MGTB23H3](#)) and ([MGTB29H3](#))] or ([MGTB27Y3](#))]  
[MGHB12H3](#)/(MGTC22H3) Human Resource Management  
[MGMB01H3](#)/(MGTC05H3) Marketing Management  
[MGFC10H3](#)/(MGTC09H3) Intermediate Finance  
[MGHC02H3](#)/(MGTC90H3) Leadership Skills  
[MGOC10H3](#)/(MGTC74H3) Analysis for Decision Making  
[MGOC20H3](#)/(MGTC75H3) Operations Management: A Mathematical Approach

4. At least 0.5 credit of courses emphasizing strategic management, chosen from:

- [MGSC01H3](#)/(MGTC41H3) Corporate Strategy
- [MGSC03H3](#)/(MGTC42H3) Public Management
- [MGSC05H3](#)/(MGTC45H3) The Changing World of Business-Government Relations
- [MGSC12H3](#)/(MGTC35H3) Narrative and Management
- [MGSC14H3](#)/(MGTC59H3) Management Ethics
- [MGSC20H3](#)/(MGTC19H3) New Ways of Work: Consulting, Contracting & Freelancing
- [MGSB22H3](#)/(MGSC22H3/MGTC38H3) Entrepreneurship
- [MGSD24H3](#)/(MGSC24H3/MGTC39H3) New Venture Creation and Planning
- [MGSC30H3](#)/(MGTC31H3) The Legal Environment of Business I
- [MGMC30H3](#)/(MGTC33H3) Event and Sponsorship Management
- [MGSC32H3](#)/(MGTC32H3) The Legal Environment of Business II
- [MGEC43H3](#)/(ECMC43H3) Organization Strategies
- [MGSD10H3](#)/(MGTD40H3) Knowledge Management
- [MGAD40H3](#)/(MGTD54H3) Management Control Systems

NOTE: In selecting options and electives, students should refer to the guidelines for program breadth and depth found in the [Degree Requirements](#) section of this *Calendar*.

***Item 2: Program change – Specialist in Management (BBA); Specialist (Co-operative) in Management (BBA)***

*Overview of Changes:*

Delete 5 optional courses from requirement #3 of the General stream\* of the program:  
 MGMC30H3 Event and Sponsorship Management, MGSC32H3 The Legal Environment of Business II, MGEC43H3 Organization Strategies, MGAD40H3 Management Control Systems, MGSD10H3 Knowledge Management

\*Note: these changes do not impact the requirements of the Health Management stream of the program, which is currently suspended to new enrolment.

*Rationale:*

Requirement #3 of the General stream program is focused on courses in strategic management. The deleted optional courses are being removed either because they are not really courses in strategy, or because other courses in the list are pre-requisites for these courses and would thus be taken first.

*Calendar Copy Showing Changes:*

SPECIALIST PROGRAM IN MANAGEMENT (BACHELOR OF BUSINESS ADMINISTRATION)  
 SPECIALIST (CO-OPERATIVE) PROGRAM IN MANAGEMENT (BACHELOR OF BUSINESS ADMINISTRATION)

Academic Director: S. Ahmed E-mail: [mgmtss@utsc.utoronto.ca](mailto:mgmtss@utsc.utoronto.ca)



This program has two streams:

1. The General stream is designed to give students a broad exposure to all functional areas of Management as well as a solid grounding in Economics.
2. The Health Management stream is currently under review and enrolment in it has been suspended indefinitely.

The program also includes a Co-operative option. Co-op students should see the section regarding work term requirements for specific details on courses required before each work term.

General Stream:

Program Requirements

This stream requires the completion of 13.5 to 14.5 credits as part of a twenty-credit B.B.A. degree.

Note: A single course may only be used once to fulfill one of the following requirements:

1. (7.0 to 8.0 credits depending on the combination of courses completed):

[MGMA01H3](#)/(MGTB04H3) Principles of Marketing

[MGTA05H3](#) Foundations of Business Management or [[MGTA01H3](#)/(MGTA03H3) and [MGTA02H3](#)/(MGTA04H3)]

[[MGTA35H3](#) Management Communications for non Co-op or [MGTA36H3](#) Management Communications for Co-op or (MGTC36H3)]

[MGAB01H3](#)/(MGTB05H3) Introductory Financial Accounting I

[MGAB02H3](#)/(MGTB06H3) Introductory Financial Accounting II

[MGAB03H3](#)/(MGTB03H3) Introductory Management Accounting

[MGFB10H3](#)/(MGTB09H3) Principles of Finance

[[MGHB02H3](#) Managing People and Groups in Organizations or [([MGTB23H3](#)) and ([MGTB29H3](#))] or ([MGTB27Y3](#))]

[MGHB12H3](#)/(MGTC22H3) Human Resource Management

[MGMB01H3](#)/(MGTC05H3) Marketing Management

[MGFC10H3](#)/(MGTC09H3) Intermediate Finance

[MGHC02H3](#)/(MGTC90H3) Leadership Skills

[MGOC10H3](#)/(MGTC74H3) Analysis for Decision Making

[MGOC20H3](#)/(MGTC75H3) Operations Management: A Mathematical Approach

2. (1.0 credit):

[[MATA32H3](#) and [MATA33H3](#)] strongly recommended, or

[[MATA30H3](#)/A31H3 and [MATA35H3](#)/A36H3/A37H3]

3. At least 0.5 credit of courses emphasizing strategic management, chosen from:

[MGSC01H3](#)/(MGTC41H3) Corporate Strategy

[MGSC03H3](#)/(MGTC42H3) Public Management

[MGSC05H3](#)/(MGTC45H3) The Changing World of Business-Government Relations

[MGSC12H3](#)/(MGTC35H3) Narrative and Management

[MGSC14H3](#)/(MGTC59H3) Management Ethics

[MGSC20H3](#)/[MGTC19H3](#)) New Ways of Work: Consulting, Contracting & Freelancing  
[MGSB22H3](#)/[MGSC22H3](#)/[MGTC38H3](#)) Entrepreneurship  
[MGSD24H3](#)/[MGSC24H3](#)/[MGTC39H3](#)) New Venture Creation and Planning  
[MGSC30H3](#)/[MGTC31H3](#)) The Legal Environment of Business I  
[MGMC30H3](#)/[MGTC33H3](#)) Event and Sponsorship Management  
[MGSC32H3](#)/[MGTC32H3](#)) The Legal Environment of Business II  
[MGEC43H3](#)/[ECMC43H3](#)) Organization Strategies  
[MGSD10H3](#)/[MGTD40H3](#)) Knowledge Management  
[MGAD40H3](#)/[MGTD54H3](#)) Management Control Systems

4. (4.0 credits):

[MGEA02H3](#)/[ECMA04H3](#)) Introduction to Microeconomics: A Mathematical Approach  
[MGEA06H3](#)/[ECMA06H3](#)) Introduction to Macroeconomics: A Mathematical Approach  
[MGEB02H3](#)/[ECMB02H3](#)) Price Theory: A Mathematical Approach  
[MGEB06H3](#)/[ECMB06H3](#)) Macroeconomic Theory and Policy: A Mathematical Approach  
[MGEB11H3](#)/[ECMB11H3](#)) Quantitative Methods in Economics I  
[MGEB12H3](#)/[ECMB12H3](#)) Quantitative Methods in Economics II  
 1 full credit of C-level Economics for Management Studies courses [excluding  
[MGEC91H3](#)/[ECMC91H3](#)), [MGEC92H3](#)/[ECMC92H3](#)), [MGEC93H3](#)/[ECMC93H3](#))]

5. 1.0 credit of D-level Management or Economic courses.

Health Management Stream: Enrolment in the Health Management stream has been suspended indefinitely.

NOTE: In selecting options and electives, students should refer to the guidelines for program breadth and depth found in the [Degree Requirements](#) section of this *Calendar*.

***Item 3: Program change – Specialist in Management and Finance (BBA); Specialist (Co-operative in Management and Finance (BBA)***

*Overview of Changes:*

Delete 5 optional courses from requirement #3 of the program: [MGMC30H3](#) Event and Sponsorship Management, [MGSC32H3](#) The Legal Environment of Business II, [MGEC43H3](#) Organization Strategies, [MGAD40H3](#) Management Control Systems, [MGSD10H3](#) Knowledge Management

*Rationale:*

Requirement #3 of the program is focused on courses in strategic management. The deleted optional courses are being removed either because they are not really courses in strategy, or because other courses in the list are pre-requisites for these courses and would thus be taken first.



*Calendar Copy Showing Changes:*

SPECIALIST PROGRAM IN MANAGEMENT AND FINANCE (BACHELOR OF BUSINESS ADMINISTRATION)

SPECIALIST (CO-OPERATIVE) PROGRAM IN MANAGEMENT AND FINANCE (BACHELOR OF BUSINESS ADMINISTRATION)

*Academic Director: S. Ahmed Email: [mgmtss@utsc.utoronto.ca](mailto:mgmtss@utsc.utoronto.ca)*

This Program which has a co-op option builds on the core of the Specialist in Management Program and offers a deeper and wider coverage of Finance topics. The Program courses will equip students with a comprehensive understanding of financial issues and concepts, and with a firm mastery of methodologies and problem solving skills required in modern-day finance.

#### Program Requirements

The Program requires the completion of 15.5 to 16.5 credits as part of a twenty-credit B.B.A. degree.

Note: A single course may only be used once to fulfill one of the following requirements:

1. (7.0 to 8.0 credits, depending on the combination of courses completed):

[MGMA01H3](#)/(MGTB04H3) Principles of Marketing

[MGTA05H3](#) Foundations of Business Management or [([MGTA01H3](#)/MGTA03H3) and ([MGTA02H3](#)/MGTA04H3)]

[[MGTA35H3](#) Management Communications for non Co-op or [MGTA36H3](#) Management Communications for Co-op or (MGTC36H3)]

[MGAB01H3](#)/(MGTB05H3) Introductory Financial Accounting I

[MGAB02H3](#)/(MGTB06H3) Introductory Financial Accounting II

[MGAB03H3](#)/(MGTB03H3) Introductory Management Accounting

[MGFB10H3](#)/(MGTB09H3) Principles of Finance

[[MGHB02H3](#) Managing People and Groups in Organizations or [([MGTB23H3](#)) and ([MGTB29H3](#))] or ([MGTB27Y3](#))]

[MGHB12H3](#)/(MGTC22H3) Human Resource Management

[MGMB01H3](#)/(MGTC05H3) Marketing Management

[MGFC10H3](#)/(MGTC09H3) Intermediate Finance

[MGHC02H3](#)/(MGTC90H3) Leadership Skills

[MGOC10H3](#)/(MGTC74H3) Analysis for Decision Making

[MGOC20H3](#)/(MGTC75H3) Operations Management: A Mathematical Approach

2. (1.0 credit):

[[MATA32H3](#) and [MATA33H3](#)] strongly recommended, or

[[MATA30H3](#)/A31H3 and [MATA35H3](#)/A36H/A37H3]

3. At least 0.5 credit of courses emphasizing strategic management, chosen from:

[MGSC01H3](#)/(MGTC41H3) Corporate Strategy

[MGSC03H3](#)/(MGTC42H3) Public Management

[MGSC05H3](#)/(MGTC45H3) The Changing World of Business-Government Relations

[MGSC12H3](#)/(MGTC35H3) Narrative and Management

[MGSC14H3](#)/(MGTC59H3) Management Ethics

[MGSC20H3](#)/[MGTC19H3](#) New Ways of Work: Consulting, Contracting & Freelancing  
[MGSB22H3](#)/[MGSC22H3](#)/[MGTC38H3](#) Entrepreneurship  
[MGSD24H3](#)/[MGSC24H3](#)/[MGTC39H3](#) New Venture Creation and Planning  
[MGSC30H3](#)/[MGTC31H3](#) The Legal Environment of Business I  
[MGMC30H3](#)/[MGTC33H3](#) Event and Sponsorship Management  
[MGSC32H3](#)/[MGTC32H3](#) The Legal Environment of Business II  
[MGEC43H3](#)/[ECMC43H3](#) Organization Strategies  
[MGSD10H3](#)/[MGTD40H3](#) Knowledge Management  
[MGAD40H3](#)/[MGTD54H3](#) Management Control Systems

4. (4.0 credits):

[MGEA02H3](#)/[ECMA04H3](#) Introduction to Microeconomics: A Mathematical Approach  
[MGEA06H3](#)/[ECMA06H3](#) Introduction to Macroeconomics: A Mathematical Approach  
[MGEB02H3](#)/[ECMB02H3](#) Price Theory: A Mathematical Approach  
[MGEB06H3](#)/[ECMB06H3](#) Macroeconomic Theory and Policy: A Mathematical Approach  
[MGEB11H3](#)/[ECMB11H3](#) Quantitative Methods in Economics I  
[MGEB12H3](#)/[ECMB12H3](#) Quantitative Methods in Economics II and  
 1 full credit of C-level Economics for Management Studies courses [excluding  
[MGEC91H3](#)/[ECMC91H3](#)), [MGEC92H3](#)/[ECMC92H3](#)), [MGEC93H3](#)/[ECMC93H3](#))]

5. (1.0 credit):

[MGFC30H3](#)/[MGTC71H3](#) Introduction to Derivative Markets  
[MGFD10H3](#)/[MGTD75H3](#) Investments

6. At least 2.0 full credits from:

[MGEC71H3](#)/[ECMC48H3](#) Money and Banking  
[MGFC20H3](#)/[MGTC70H3](#) Personal Financial Management  
[MGFC50H3](#)/[MGTC76H3](#) International Financial Management  
[MGFC60H3](#)/[MGTC77H3](#) Financial Statement Analysis & Security Valuation  
[MGFD30H3](#)/[MGTD78H3](#) Risk Management  
[MGFD40H3](#)/[MGTD73H3](#) Investor Psychology & Behavioural Finance  
[MGFD50H3](#)/[MGTD72H3](#) Mergers & Acquisitions: Theory & Practice  
[MGFD60H3](#)/[MGTD77H3](#) Financial Modelling & Trading Strategies  
[MGFD70H3](#)/[MGTD71H3](#) Advanced Financial Management

NOTE: In selecting options and electives, students should refer to the guidelines for program breadth and depth found in the [Degree Requirements](#) section of this *Calendar*.

***Item 4: Program change – Specialist in Management and Human Resources (BBA); Specialist (Co-operative) in Management and Human Resources (BBA)***

*Overview of Changes:*

Delete 5 optional courses from requirement #3 of the program: MGMC30H3 Event and Sponsorship Management, MGSC32H3 The Legal Environment of Business II, MGEC43H3 Organization Strategies, MGAD40H3 Management Control Systems, MGSD10H3 Knowledge Management

*Rationale:*

Requirement #3 of the program is focused on courses in strategic management. The deleted optional courses are being removed either because they are not really courses in strategy, or because other courses in the list are pre-requisites for these courses and would thus be taken first.

*Calendar Copy Showing Changes:*

SPECIALIST PROGRAM IN MANAGEMENT AND HUMAN RESOURCES (BACHELOR OF BUSINESS ADMINISTRATION)  
SPECIALIST (CO-OPERATIVE) PROGRAM IN MANAGEMENT AND HUMAN RESOURCES (BACHELOR OF BUSINESS ADMINISTRATION)

*Academic Director: S. Ahmed Email: [mgmtss@utsc.utoronto.ca](mailto:mgmtss@utsc.utoronto.ca)*

This Program which has a co-op option is designed to give students a broad exposure to all functional areas of Management as well as specialization in the area of Human Resource Management (HRM). HRM is an area that encompasses topics such as recruitment and selection, performance management, compensation, and industrial relations. By taking a B.B.A. with a specialist in HRM, you will be qualified to work in any area of Human Resource Management, to take a graduate degree in HRM (potentially with advance standing), and you will be well prepared for the CHRP certification exam required by many organizations for upper-level HR positions. In order to qualify for CHRP certification, you must maintain an average of at least 70% across the 9 courses required by CHRP and at least 65% in each of those 9 courses.

By completing this Specialist Program in Management and Human Resources, you will cover the nine required CHRP courses.

#### Program Requirements

The Program requires the completion of 15.5 to 16.5 credits as part of a twenty-credit B.B.A. degree.

Note: A single course may only be used once to fulfill one of the following requirements:

1. (7.0 to 8.0 credits, depending on the combination of courses completed):  
[MGMA01H3](#)/(MGTB04H3) Principles of Marketing  
[MGTA05H3](#) Foundations of Business Management or [([MGTA01H3](#)/MGTA03H3) and ([MGTA02H3](#)/MGTA04H3)]  
[MGTA35H3](#) Management Communications for non Co-op or [MGTA36H3](#) Management Communications for Co-op or (MGTC36H3)  
[MGAB01H3](#)/(MGTB05H3) Introductory Financial Accounting I  
[MGAB02H3](#)/(MGTB06H3) Introductory Financial Accounting II  
[MGAB03H3](#)/(MGTB03H3) Introductory Management Accounting  
[MGFB10H3](#)/(MGTB09H3) Principles of Finance  
[MGHB02H3](#) Managing People and Groups in Organizations or [([MGTB23H3](#)) and ([MGTB29H3](#))] or ([MGTB27Y3](#))  
[MGHB12H3](#)/(MGTC22H3) Human Resource Management  
[MGMB01H3](#)/(MGTC05H3) Marketing Management  
[MGFC10H3](#)/(MGTC09H3) Intermediate Finance

[MGHC02H3](#)/(MGTC90H3) Leadership Skills  
[MGOC10H3](#)/(MGTC74H3) Analysis for Decision Making  
[MGOC20H3](#)/(MGTC75H3) Operations Management: A Mathematical Approach

2. (1.0 credit):

[[MATA32H3](#) and [MATA33H3](#)] strongly recommended, or  
[MATA30H3](#)/A31H3 and [MATA35H3](#)/A36H/A37H3]

3. At least 0.5 credit of courses emphasizing strategic management, chosen from:

[MGSC01H3](#)/(MGTC41H3) Corporate Strategy  
[MGSC03H3](#)/(MGTC42H3) Public Management  
[MGSC05H3](#)/(MGTC45H3) The Changing World of Business-Government Relations  
[MGSC12H3](#)/(MGTC35H3) Narrative and Management  
[MGSC14H3](#)/(MGTC59H3) Management Ethics  
[MGSC20H3](#)/(MGTC19H3) New Ways of Work: Consulting, Contracting & Freelancing  
[MGSB22H3](#)/(MGSC22H3/MGTC38H3) Entrepreneurship  
[MGSD24H3](#)/(MGSC24H3/MGTC39H3) New Venture Creation and Planning  
[MGSC30H3](#)/(MGTC31H3) The Legal Environment of Business I  
[MGMC30H3](#)/(MGTC33H3) Event and Sponsorship Management  
[MGSC32H3](#)/(MGTC32H3) The Legal Environment of Business II  
[MGEC43H3](#)/(ECMC43H3) Organization Strategies  
[MGSD10H3](#)/(MGTD40H3) Knowledge Management  
[MGAD40H3](#)/(MGTD54H3) Management Control Systems

4. (4.0 credits):

[MGEA02H3](#)/(ECMA04H3) Introduction to Microeconomics: A Mathematical Approach  
[MGEA06H3](#)/(ECMA06H3) Introduction to Macroeconomics: A Mathematical Approach  
[MGEB02H3](#)/(ECMB02H3) Price Theory: A Mathematical Approach  
[MGEB06H3](#)/(ECMB06H3) Macroeconomic Theory and Policy: A Mathematical Approach  
[MGEB11H3](#)/(ECMB11H3) Quantitative Methods in Economics I  
[MGEB12H3](#)/(ECMB12H3) Quantitative Methods in Economics II and  
 1 full credit of C-level Economics for Management Studies courses [excluding  
[MGEC91H3](#)/(ECMC91H3), [MGEC92H3](#)/(ECMC92H3), [MGEC93H3](#)/(ECMC93H3)]

5. (3.0 credits):

[MGHC53H3](#)/(MGTC53H3) Introduction to Industrial Relations  
[MGHD24H3](#)/(MGTD24H3) Occupational Health and Safety Management  
[MGHD25H3](#)/(MGTD25H3) Human Resources Recruitment & Selection  
[MGHD26H3](#)/(MGTD26H3) Training and Development  
[MGHD27H3](#)/(MGTD27H3) Human Resources Planning and Strategy  
[MGHD28H3](#)/(MGTD28H3) Compensation

NOTE: In selecting options and electives, students should refer to the guidelines for program breadth and depth found in the [Degree Requirements](#) section of this *Calendar*.

***Item 5: Program change – Specialist in Management and Marketing (BBA); Specialist (Co-operative) in Management and Marketing (BBA)***

*Overview of Changes:*

- Delete 5 optional courses from requirement #3 of the program: MGMC30H3 Event and Sponsorship Management, MGSC32H3 The Legal Environment of Business II, MGEC43H3 Organization Strategies, MGAD40H3 Management Control Systems, MGSD10H3 Knowledge Management
- Add two optional courses to requirement #5 of the program: MGMD10H3 Special Topics in Marketing I, MGMD11H3 Special Topics in Marketing II

*Rationale:*

- Requirement #3 of the program is focused on courses in strategic management. The deleted optional courses are being removed either because they are not really courses in strategy, or because other courses in the list are pre-requisites for these courses and would thus be taken first.
- MGMD10H3 and MGMD11H3 are newer courses being added as options to increase the number of D level courses in Marketing, and also provide students with current research trends in the field.

*Calendar Copy Showing Changes:*

SPECIALIST PROGRAM IN MANAGEMENT AND MARKETING (BACHELOR OF BUSINESS ADMINISTRATION)  
 SPECIALIST (CO-OPERATIVE) PROGRAM IN MANAGEMENT AND MARKETING (BACHELOR OF BUSINESS ADMINISTRATION)

*Academic Director:* S. Ahmed *E-mail:* [mgmtss@utsc.utoronto.ca](mailto:mgmtss@utsc.utoronto.ca)

The Specialist Program in Management and Marketing which has a Co-op option gives students the perspective of the overall organization and beyond. In addition to the company focus, Marketing also ensures that students take an external orientation by having an in-depth understanding of the competition and the consumer. While developing a good understanding of all the issues involved in developing marketing strategy, the student will learn to implement the tools of marketing tactics.

**Program Requirements**

The Program requires the completion of 15.5 to 16.5 credits as part of a twenty-credit B.B.A. degree.

Note: A single course may only be used once to fulfill one of the following requirements:

1. (7.0 to 8.0 credits depending on the combination of courses completed):  
[MGMA01H3](#)/(MGTB04H3) Principles of Marketing  
[MGTA05H3](#) Foundations of Business Management or [([MGTA01H3](#)/MGTA03H3) and ([MGTA02H3](#)/MGTA04H3)]  
[MGTA35H3](#) Management Communications for non Co-op or [MGTA36H3](#) Management Communications for Co-op or (MGTC36H3)]

[MGAB01H3](#)/(MGTB05H3) Introductory Financial Accounting I  
[MGAB02H3](#)/(MGTB06H3) Introductory Financial Accounting II  
[MGAB03H3](#)/(MGTB03H3) Introductory Management Accounting  
[MGFB10H3](#)/(MGTB09H3) Principles of Finance  
[\[MGHB02H3](#) Managing People and Groups in Organizations or [[\(MGTB23H3\)](#) and  
[\(MGTB29H3\)](#)] or ([MGTB27Y3](#))]  
[MGHB12H3](#)/(MGTC22H3) Human Resource Management  
[MGMB01H3](#)/(MGTC05H3) Marketing Management  
[MGFC10H3](#)/(MGTC09H3) Intermediate Finance  
[MGHC02H3](#)/(MGTC90H3) Leadership Skills  
[MGOC10H3](#)/(MGTC74H3) Analysis for Decision Making  
[MGOC20H3](#)/(MGTC75H3) Operations Management: A Mathematical Approach

2. (1.0 credit):

[\[MATA32H3](#) and [MATA33H3](#)] strongly recommended, or  
[\[MATA30H3/A31H3](#) and [MATA35H3/A36H3/A37H3](#)]

3. At least 0.5 credit of courses emphasizing strategic management, chosen from:

[MGSC01H3](#)/(MGTC41H3) Corporate Strategy  
[MGSC03H3](#)/(MGTC42H3) Public Management  
[MGSC05H3](#)/(MGTC45H3) The Changing World of Business-Government Relations  
[MGSC12H3](#)/(MGTC35H3) Narrative and Management  
[MGSC14H3](#)/(MGTC59H3) Management Ethics  
[MGSC20H3](#)/(MGTC19H3) New Ways of Work: Consulting, Contracting & Freelancing  
[MGSB22H3](#)/(MGSC22H3/MGTC38H3) Entrepreneurship  
[MGSD24H3](#)/(MGSC24H3/MGTC39H3) New Venture Creation and Planning  
[MGSC30H3](#)/(MGTC31H3) The Legal Environment of Business I  
[MGMC30H3](#)/(MGTC33H3) ~~Event and Sponsorship Management~~  
[MGSC32H3](#)/(MGTC32H3) ~~The Legal Environment of Business II~~  
[MGEC43H3](#)/(ECMC43H3) ~~Organization Strategies~~  
[MGSD10H3](#)/(MGTD40H3) ~~Knowledge Management~~  
[MGAD40H3](#)/(MGTD54H3) ~~Management Control Systems~~

4. (4.0 credits):

[MGEA02H3](#)/(ECMA04H3) Introduction to Microeconomics: A Mathematical Approach  
[MGEA06H3](#)/(ECMA06H3) Introduction to Macroeconomics: A Mathematical Approach  
[MGEB02H3](#)/(ECMB02H3) Price Theory: A Mathematical Approach  
[MGEB06H3](#)/(ECMB06H3) Macroeconomic Theory and Policy: A Mathematical Approach  
[MGEB11H3](#)/(ECMB11H3) Quantitative Methods in Economics I  
[MGEB12H3](#)/(ECMB12H3) Quantitative Methods in Economics II and  
 1 full credit of C-level Economics for Management Studies courses [excluding  
[MGEC91H3](#)/(ECMC91H3), [MGEC92H3](#)/(ECMC92H3), [MGEC93H3](#)/(ECMC93H3)].



5. 6 of the following courses (3.0 credits):

[MGMC01H3](#)/(MGTD07H3) Market Research

[MGMC02H3](#)/(MGTD13H3) Consumer Behaviour

[MGMC11H3](#)/(MGTC21H3) Product Management and Branding

[MGMC12H3](#)/(MGTC12H3) Advertising: From Theory to Practice

[MGMC13H3](#)/(MGTC13H3) Pricing Strategy

[MGMC14H3](#)/(MGTC14H3) Sales and Distribution Management

[MGMD01H3](#)/(MGTD30H3) Applied Marketing Models

[MGMD02H3](#)/(MGTC20H3) Judgement and Decision Making

[MGMD10H3](#) Special Topics in Marketing I

[MGMD11H3](#) Special Topics in Marketing II

NOTE: In selecting options and electives, students should refer to the guidelines for program breadth and depth found in the [Degree Requirements](#) section of this *Calendar*.

***Item 6: Program change – Specialist in Strategic Management (BBA); Specialist (Co-operative) in Strategic Management (BBA)***

*Overview of Changes:*

Delete 5 optional courses from requirement #4 of the Management Strategy stream and requirement #4 of the Entrepreneurship stream: MGMC30H3 Event and Sponsorship Management, MGSC32H3 The Legal Environment of Business II, MGEC43H3 Organization Strategies, MGAD40H3 Management Control Systems, MGSD10H3 Knowledge Management

*Rationale:*

Requirement #4 of both streams of the program is focused on courses in strategic management. The deleted courses are being removed either because they are not really courses in strategy, or because other courses in the list are pre-requisites for these courses and would thus be taken first.

*Calendar Copy Showing Changes:*

SPECIALIST PROGRAM IN STRATEGIC MANAGEMENT (BACHELOR OF BUSINESS ADMINISTRATION)

SPECIALIST (CO-OPERATIVE) PROGRAM IN STRATEGIC MANAGEMENT (BACHELOR OF BUSINESS ADMINISTRATION)

*Academic Director:* S. Ahmed *Email:* [mgmtss@utsc.utoronto.ca](mailto:mgmtss@utsc.utoronto.ca)

This Program has two streams:

The Management Strategy stream is designed to give students a broad exposure to all functional areas of Management, as well as a solid grounding in Strategic Management, while providing a variety of elective courses to appeal to students interested in any one of the three sectors. It covers the direction and coordination of private sector, public sector, or non-profit sector organizations.

The Entrepreneurship stream is designed to provide students with the tools to work in a variety of self-employment or entrepreneur career paths, which include working in family businesses, start-ups, or as consultants. The program will allow for significant training of entrepreneurial skills and non-entrepreneurial skills.

Both streams have a non-co-op and a co-op component. Co-op students should see the section regarding work term requirements for specific details on courses required before each work term.

#### Program Requirements

To complete the program, a student must meet the course requirements described below. The program requirements comprise a core of 12.5 to 13.5 credits common to both streams, and additional requirements which depend on the stream for a total of 15.0 to 16.0 credits for the Management Strategy stream and 16.0 to 17.0 credits for the Entrepreneurship stream.

Note: A single course may only be used once to fulfill one of the following requirements:

Core (12.5 to 13.5 credits):

1. (7.5 to 8.5 credits depending on the **number combination** of courses completed):

[MGMA01H3](#)/(MGTB04H3) Principles of Marketing

[MGTA05H3](#) Foundations of Business Management or [([MGTA01H3](#)/MGTA03H3) and ([MGTA02H3](#)/MGTA04H3)]

[[MGTA35H3](#) Management Communications for non Co-op or [MGTA36H3](#) Management Communications for Co-op or (MGTC36H3)]

[MGAB01H3](#)/(MGTB05H3) Introductory Financial Accounting I

[MGAB02H3](#)/(MGTB06H3) Introductory Financial Accounting II

[MGAB03H3](#)/(MGTB03H3) Introductory Management Accounting

[MGFB10H3](#)/(MGTB09H3) Principles of Finance

[[MGHB02H3](#) Managing People and Groups in Organizations or [([MGTB23H3](#)) and ([MGTB29H3](#))] or ([MGTB27Y3](#))]

[MGHB12H3](#)/(MGTC22H3) Human Resource Management

[MGMB01H3](#)/(MGTC05H3) Marketing Management

[MGFC10H3](#)/(MGTC09H3) Intermediate Finance

[MGHC02H3](#)/(MGTC90H3) Leadership Skills

[MGOC10H3](#)/(MGTC74H3) Analysis for Decision Making

[MGOC20H3](#)/(MGTC75H3) Operations Management: A Mathematical Approach

One additional half-credit (0.5) at the D-level in either Management or Economics for Management Studies courses

2. (1.0 credit):

[[MATA32H3](#) and [MATA33H3](#)] strongly recommended, or

[[MATA30H3](#)/A31H3 and [MATA35H3](#)/A36H3/A37H3]

3. (4.0 credits):

[MGEA02H3](#)/(ECMA04H3) Introduction to Microeconomics: A Mathematical Approach

[MGEA06H3](#)/(ECMA06H3) Introduction to Macroeconomics: A Mathematical Approach



[MGEB02H3](#)/(ECMB02H3) Price Theory: A Mathematical Approach  
[MGEB06H3](#)/(ECMB06H3) Macroeconomic Theory and Policy: A Mathematical Approach  
[MGEB11H3](#)/(ECMB11H3) Quantitative Methods in Economics I  
[MGEB12H3](#)/(ECMB12H3) Quantitative Methods in Economics II, and  
 1 full credit of C-level Economics for Management Studies courses [excluding  
[MGEC91H3](#)/(ECMC91H3), [MGEC92H3](#)/(ECMC92H3), [MGEC93H3](#)/(ECMC93H3)]

Management Strategy Stream (2.5 credits):

4. At least 0.5 credit of courses emphasizing strategic management, chosen from:

[MGSB22H3](#)/(MGTC38H3) Entrepreneurship  
[MGSC12H3](#)/(MGTC35H3) Narrative and Management  
[MGSC20H3](#)/(MGTC19H3) New Ways of Work: Consulting, Contracting & Freelancing  
[MGSC30H3](#)/(MGTC31H3) The Legal Environment of Business I  
[MGSD24H3](#)/(MGTC39H3) New Venture Creation and Planning  
~~[MGMC30H3](#)/(MGTC33H3) Event and Sponsorship Management~~  
~~[MGSC32H3](#)/(MGTC32H3) The Legal Environment of Business II~~  
~~[MGEC43H3](#)/(ECMC43H3) Organization Strategies~~  
~~[MGAD40H3](#)/(MGTD54H3) Management Control Systems~~  
~~[MGSD10H3](#)/(MGTD40H3) Knowledge Management~~

5. 1.0 credit from:

[MGSC01H3](#)/(MGTC41H3) Corporate Strategy  
[MGSC03H3](#)/(MGTC42H3) Public Management, or  
[MGSC05H3](#)/(MGTC45H3) The Changing World of Business-Government Relations

6. 0.5 credit from:

[MGEB32H3](#)/(ECMB36H3) Economics Aspects of Public Policy  
[MGEC31H3](#)/(ECMC31H3) Economics of the Public Sector: Taxation  
[MGEC32H3](#)/(ECMC32H3) Economics of the Public Sector: Expenditures  
~~[MGEC43H3](#)/(ECMC43H3) Organization Strategies~~  
~~[MGMC30H3](#)/(MGTC33H3) Event and Sponsorship Management~~  
[MGSB22H3](#)/(MGTC38H3) Entrepreneurship  
[MGSC01H3](#)/(MGTC41H3) Corporate Strategy  
[MGSC03H3](#)/(MGTC42H3) Public Management  
[MGSC05H3](#)/(MGTC45H3) The Changing World of Business-Government Relations  
[MGSC12H3](#)/(MGTC35H3) Narrative and Management  
[MGSC14H3](#)/(MGTC59H3) Management Ethics  
[MGSC20H3](#)/(MGTC19H3) New Ways of Work: Consulting, Contracting & Freelancing  
[MGSC30H3](#)/(MGTC31H3) The Legal Environment of Business I  
[MGSC32H3](#)/(MGTC32H3) The Legal Environment of Business II  
[MGSD24H3](#)/(MGTC39H3) New Venture Creation and Planning  
[MGTC55H3](#) Planning & Budgeting for Public Institutions  
[MGTC56H3](#) Educational Finance & Economics  
[MGAD40H3](#)/(MGTD54H3) Management Control Systems  
[MGSD10H3](#)/(MGTD40H3) Knowledge Management  
[MGSD30H3](#)/(MGTD45H3) Intellectual Property Law

~~POLPPGC66H3~~ Public Policy Making

7. (0.5 credit):

~~MGSD01H3~~/(MGTD47H3) Senior Seminar in Strategic Management

Entrepreneurship Stream (3.5 credits):

4. At least 0.5 credit of courses emphasizing strategic management, chosen from:

~~MGSC12H3~~/(MGTC35H3) Narratives on Management and Organization

~~MGSC14H3~~/(MGTC59H3) Management Ethics

~~MGSC30H3~~/(MGTC31H3) The Legal Environment of Business I

~~MGMC30H3~~/(MGTC33H3) Event and Sponsorship Management

~~MGSC32H3~~/(MGTC32H3) The Legal Environment of Business II

~~MGEC43H3~~/(ECMC43H3) Organization Strategies

~~MGAD40H3~~/(MGTD54H3) Management Control Systems

~~MGSD10H3~~/(MGTD40H3) Knowledge Management

5. (3.0 credits):

~~MGFC20H3~~/(MGTC70H3) Personal Financial Management

~~MGHC52H3~~/(MGTC52H3) Business Negotiation

~~MGSB22H3~~/(MGTC38H3) Entrepreneurship

~~MGSC20H3~~/(MGTC19H3) New Ways of Work: Consulting, Contracting & Freelancing

~~MGSC26H3~~ Venture Capital

~~MGSD24H3~~/(MGTC39H3) New Venture Creation and Planning

NOTE: In selecting options and electives, students should refer to the guidelines for program breadth and depth found in the [Degree Requirements](#) section of this *Calendar*.

***Item 7: Program change – Specialist in Management and Accounting (BBA); Specialist (Co-operative) in Management and Accounting (BBA)***

*Overview of Changes:*

Delete MGAD60H3 from requirement #5.

*Rationale:*

MGAD60H3 course was required for the Legacy CA requirements. Given the merger of the three accounting bodies, this course is no longer a requirement for the new CPA designation and is no longer necessary in the program.

*Calendar Copy Showing Changes:*

SPECIALIST PROGRAM IN MANAGEMENT AND ACCOUNTING (BACHELOR OF BUSINESS ADMINISTRATION)  
SPECIALIST (CO-OPERATIVE) PROGRAM IN MANAGEMENT AND ACCOUNTING (BACHELOR OF BUSINESS ADMINISTRATION)

*Academic Director: S. Ahmed Email: [mgmtss@utsc.utoronto.ca](mailto:mgmtss@utsc.utoronto.ca)*

The Accounting Specialist program is designed for the student who is interested in acquiring a concentrated core of accounting and related knowledge that is required to become a professional accountant. It provides a solid foundation to prepare students to become Chartered Professional Accountants and Certified General Accountants after graduation. In addition, the Specialist program provides students with the personal and professional attributes necessary to build a successful career in senior management. This program also includes a Co-operative option.

The Accounting Specialist program encompasses topics such as introductory to advanced financial and managerial accounting, assurance, taxation, economics, and finance. There is also a range of more advanced electives which cover topics and competencies that incorporate critical thinking and ethical decision making.

#### Program Requirements

The Program requires the completion of 16.0 to 17.0 credits as part of a twenty-credit B.B.A. degree.

Note: A single course may only be used once to fulfill one of the following requirements:

1. (7.0 to 8.0 credits, depending on the combination of courses completed):

[MGMA01H3](#)/([MGTB04H3](#)) Principles of Marketing

[MGTA05H3](#) Foundations of Business Management or [([MGTA01H3](#)/[MGTA03H3](#)) and ([MGTA02H3](#)/[MGTA04H3](#))]

[[MGTA35H3](#) Management Communications for non Co-op or [MGTA36H3](#) Management Communications for Co-op or ([MGTC36H3](#))]

[MGAB01H3](#)/([MGTB05H3](#)) Introductory Financial Accounting I

[MGAB02H3](#)/([MGTB06H3](#)) Introductory Financial Accounting II

[MGAB03H3](#)/([MGTB03H3](#)) Introductory Management Accounting

[MGFB10H3](#)/([MGTB09H3](#)) Principles of Finance

[[MGHB02H3](#) Managing People and Groups in Organizations or [([MGTB23H3](#)) and ([MGTB29H3](#))] or ([MGTB27Y3](#))]

[MGHB12H3](#)/([MGTC22H3](#)) Human Resource Management

[MGMB01H3](#)/([MGTC05H3](#)) Marketing Management

[MGFC10H3](#)/([MGTC09H3](#)) Intermediate Finance

[MGHC02H3](#)/([MGTC90H3](#)) Leadership Skills

[MGOC10H3](#)/([MGTC74H3](#)) Analysis for Decision Making

[MGOC20H3](#)/([MGTC75H3](#)) Operations Management: A Mathematical Approach

2. (1.0 credit):

[[MATA32H3](#) and [MATA33H3](#)] strongly recommended, or

[[MATA30H3](#)/[A31H3](#) and [MATA35H3](#)/[A36H3](#)/[A37H3](#)]

3. (4.0 credits):

[MGEA02H3](#)/([ECMA04H3](#)) Introduction to Microeconomics: A Mathematical Approach

[MGEA06H3](#)/([ECMA06H3](#)) Introduction to Macroeconomics: A Mathematical Approach

[MGEB02H3](#)/([ECMB02H3](#)) Price Theory: A Mathematical Approach

[MGEB06H3](#)/([ECMB06H3](#)) Macroeconomic Theory and Policy: A Mathematical Approach

[MGEB11H3](#)/(ECMB11H3) Quantitative Methods in Economics I  
[MGEB12H3](#)/(ECMB12H3) Quantitative Methods in Economics II and  
 1 full credit of C-level Economics for Management Studies courses [excluding  
[MGEC91H3](#)/(ECMC91H3), [MGEC92H3](#)/(ECMC92H3), [MGEC93H3](#)/(ECMC93H3)]

4. (3.5 credits):

[MGAC01H3](#)/(MGTC07H3) Intermediate Financial Accounting I  
[MGAC02H3](#)/(MGTC08H3) Intermediate Financial Accounting II  
[MGAC03H3](#)/(MGTC06H3) Intermediate Management Accounting  
[MGSC30H3](#)/(MGTC31H3) The Legal Environment of Business I  
[MGAC50H3](#)/(MGTC16H3) Canadian Income Taxation I  
[MGAC70H3](#)/(MGTC11H3) Management Information Systems  
[MGAD10H3](#)/(MGTD60H3) Auditing

5. At least one D-level course (0.5 credit) from:

[MGAD20H3](#)/(MGTD61H3) Advanced Auditing  
[MGAD30H3](#)/(MGTD62H3) Auditing in a Computer Environment  
[MGAD40H3](#)/(MGTD54H3) Management Control Systems  
[MGAD50H3](#)/(MGTD50H3) Advanced Financial Accounting  
~~[MGAD60H3](#)/(MGTD55H3) Controversial Issues in Accounting~~  
[MGAD70H3](#) (MGTD56H3) Advanced Accounting Case Analysis

NOTE: In selecting options and electives, students should refer to the guidelines for program breadth and depth found in the [Degree Requirements](#) section of this *Calendar*

**Item 8: Course change – MGEC63H3**

*Rationale:*

Students will benefit from having another D-level option in Economics. This course builds on the theories developed in MGEC61H3 (International Economics: Finance), which is its prerequisite, and addresses issues related to financial crises. It focuses on the applications of literature to analyze different episodes of financial crises in recent decades. Given the content of the course and the level of preparation required, it is more properly designated as a D-level course rather than a C-level course. Also changing the level will provide students with another option for D level courses in Economics. The enrolment limit has been adjusted in line with other D-level courses.

*Calendar Copy Showing Changes:*

~~MGEC~~**D63H3** Financial Crises: Causes, Consequences and Policy Implications  
 This course studies the causes, consequences and policy implications of recent financial crises. It studies key theoretical concepts of international finance such as exchange-rate regimes, currency boards, common currency, banking and currency crises. The course will describe and analyze several major episodes of financial crises, ~~such as Latin America in the 1980s, East Asia, Europe, Mexico and Russia in the 1990s, and Turkey and Argentina in recent years,~~ **such as East Asia, Mexico and Russia in the 1990s, Argentina in the early 2000s, the U.S. and Greece in the late 2000s, and others in recent years.**

Prerequisite: MGEC61H3/(ECMC61H3)  
 Exclusion: ~~(MGEC63H3/ECMC63H3)~~  
 Enrolment Limits: ~~60~~ 30  
 Breadth Requirement: Social & Behavioural Sciences

**Item 9: Course change – MGFB10H3**

*Rationale:*

The exclusions are being updated as necessary to reflect changes in curriculum over time, and to facilitate a more accurate assessment for transfer credits between campuses. ACTB40H3 and ACT240H are no longer excluded because they provide effective preparation in Finance training. MGTC03H3, MGT331Y and MGT337Y are being removed because they have long been deleted from the curriculum. MGT338H and RSM332H are being added due to overlap with MGFB10H3.

*Calendar Copy Showing Changes:*

MGFB10H3 Principles of Finance

An introduction to basic concepts and analytical tools in financial management. Building on the fundamental concept of time value of money, the course will examine stock and bond valuations and capital budgeting under certainty. Also covered are risk-return trade-off, financial planning and forecasting, and long-term financing decisions.

Prerequisite: MGE11H3/(ECMB11H3) and MGAB01H3/(MGTB05H3)

Exclusion: (MGTB09H3), ~~ACTB40H3, ACT240H, (MGTC03H3), (MGT331Y), (MGT337Y)~~  
**MGT338H, RSM332H**

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

**Item 10: Course change – MGFC10H3**

*Rationale:*

The exclusions are being updated as necessary to reflect changes in curriculum over time, and to facilitate a more accurate assessment of transfer credits between campuses. MGT331Y and MGT337Y are being removed because they have long been deleted from the curriculum. MGT339H and RSM333H are being added due to overlap with MGFC10H3.

*Calendar Copy Showing Changes:*

MGFC10H3 Intermediate Finance

This course covers mainstream finance topics. Besides a deeper examination of certain topics already covered in MGFB10H3/(MGTB09H3), the course will investigate additional subjects such as working capital management, capital budgeting under uncertainty, cost of capital, capital structure, dividend policy, leasing, mergers and acquisitions, and international financial management.

Prerequisite: MGFB10H3/(MGTB09H3) or (MGTC03H3)

Exclusion: (MGTC09H3), ~~(MGT331Y), MGT337Y~~ **MGT339H, RSM333H**

Enrolment Limits: 60  
 Breadth Requirement: Social & Behavioural Sciences

***Item 11: Course change – MGFC20H3***

*Rationale:*

The exclusions are being updated as necessary to reflect changes in curriculum over time, and to facilitate a more accurate assessment of transfer credits between campuses. MGTD70H3 became MGTC70H3 effective 2007-08 and as such has effectively been removed from the curriculum.

*Calendar Copy Showing Changes:*

**MGFC20H3 Personal Financial Management**  
 This course covers goal setting, personal financial statements, debt and credit management, risk management, investing in financial markets, real estate appraisal and mortgage financing, tax saving strategies, retirement and estate planning. The course will benefit students in managing their personal finances, and in their future careers with financial institutions.  
 Prerequisite: MGFB10H3/(MGTB09H3)  
 Exclusion: (MGTC70H3), ~~(MGTD70H3)~~  
 Enrolment Limits: 40  
 Breadth Requirement: Social & Behavioural Sciences

***Item 12: Course change – MGFC60H3***

*Rationale:*

The exclusions are being updated as necessary to reflect changes in curriculum over time, and to facilitate a more accurate assessment of transfer credits between campuses. RSM429H (offered by Rotman) is added due to overlap.

*Calendar Copy Showing Changes:*

**MGFC60H3 Financial Statement Analysis and Security Valuation**  
 This course introduces the tools and skills required to perform a comprehensive financial statement analysis from a user perspective. Students will learn how to integrate the concepts and principles in accounting and finance to analyze the financial statements and to utilize that information in earnings-based security valuation.  
 Prerequisite: MGFC10H3/(MGTC09H3)  
 Exclusion: (MGTC77H3), **RSM429H**  
 Enrolment Limits: 40  
 Breadth Requirement: Social & Behavioural Sciences

***Item 13: Course change – MGFD30H3***

*Rationale:*

The exclusions are being updated as necessary to reflect changes in curriculum over time, and to facilitate a more accurate assessment of transfer credits between campuses. MGT432H is being



removed because it has long been deleted from the curriculum. ECO460H and ECO461H are being added due to overlap.

*Calendar Copy Showing Changes:*

**MGFD30H3 Risk Management**

This course develops analytical skills in financial risk management. It introduces techniques used for evaluating, quantifying and managing financial risks. Among the topics covered are market risk, credit risk, operational risk, liquidity risk, bank regulations and credit derivatives.

Prerequisite: MGFC10H3/(MGTC09H3)

Exclusion: (MGTD78H3), **ECO460, ECO461**, RSM432H, ~~(MGT432H)~~

Enrolment Limits: 50

Breadth Requirement: Social & Behavioural Sciences

***Item 14: Course change – MGFD40H3***

*Rationale:*

The exclusions are being updated as necessary to reflect changes in curriculum over time, and to facilitate a more accurate assessment of transfer credits between campuses. MGT430H is being added due to overlap.

*Calendar Copy Showing Changes:*

**MGFD40H3 Investor Psychology and Behavioural Finance**

This course is designed to help students understand how different psychological biases can affect investor behaviours and lead to systematic mispricing in the financial market. With simulated trading games, students will learn and practice various trading strategies to take advantage of these market anomalies.

Prerequisite: MGFC10H3/(MGTC09H3) and MGE12H3/(ECMB12H3)

Exclusion: (MGTD73H3), **MGT430H**

Enrolment Limits: 40

Breadth Requirement: Social & Behavioural Sciences

***Item 15: Course change – MGFD50H3***

*Rationale:*

The exclusions are being updated as necessary to reflect changes in curriculum over time, and to facilitate a more accurate assessment of transfer credits between campuses. RSM433H is being removed because Rotman has adjusted the contents of this course. MGT431H is being removed and MGT434H added because to acknowledge changes at UTM.

*Calendar Copy Showing Changes:*

**MGFD50H3 Mergers and Acquisitions: Theory and Practice**

This course provides a general introduction to the important aspects of M&A, including valuation, restructuring, divestiture, takeover defences, deal structuring and negotiations, and legal issues.

Prerequisite: MGFC10H3/(MGTC09H3)

Exclusion: (MGTD72H3), ~~MGT431H~~, ~~RSM433H~~, **MGT434H**.

Enrolment Limits: 40

Breadth Requirement: Social & Behavioural Sciences

***Item 16: Course change – MGFD60H3***

*Rationale:*

The exclusions are being updated as necessary to reflect changes in curriculum over time, and to facilitate a more accurate assessment of transfer credits between campuses. MGT435H is being added due to overlap.

*Calendar Copy Showing Changes:*

**MGFD60H3** Financial Modeling and Trading Strategies

This course integrates finance theories and practice by using financial modeling and simulated trading. Students will learn how to apply the theories they learned and to use Excel and VBA to model complex financial decisions. They will learn how the various security markets work under different simulated information settings.

Corequisite: MGFC30H3/(MGTC71H3) and MGFD10H3/(MGTD75H3)

Exclusion: (MGTD77H3), **MGT435H**, RSM434H

Enrolment Limits: 40

Breadth Requirement: Social & Behavioural Sciences

***Item 17: Course change – MGFD70H3***

*Rationale:*

The exclusions are being updated as necessary to reflect changes in curriculum over time, and to facilitate a more accurate assessment of transfer credits between campuses. RSM433H is being added due to overlap.

*Calendar Copy Showing Changes:*

**MGFD70H3** Advanced Financial Management

This course reinforces and expands upon the topics covered in MGFB10H3/(MGTB09H3), (MGTC03H3) and MGFC10H3/(MGTC09H3). It examines more advanced and complex decision making situations a financial manager faces in such areas as capital budgeting, capital structure, financing, working capital management, dividend policy, leasing, mergers and acquisitions, and risk management.

Prerequisite: MGFC10H3/(MGTC09H3)

Exclusion: (MGTD71H3), **RSM433H**

Enrolment Limits: 50

Breadth Requirement: Social & Behavioural Sciences



**Item 18: Course change – MGIC01H3**

*Rationale:*

MGSC01H3 covers much of the same theoretical material as MGIC01H3. MGSC01H3 is being added as an exclusion to avoid duplication.

*Calendar Copy Showing Changes:*

MGIC01H3 International Corporate Strategy

International Corporate Strategy examines the analyses and choices that corporations make in an increasingly globalized world. Topics will include: recent trends in globalization, the notion of competitive advantage, the choice to compete through exports or foreign direct investment, and the risks facing multinational enterprises.

Prerequisite: Minimum of 10.0 credits including MGAB02H3/(MGTB06H3) and MGIA01H3/(MGTB07H3) and MGF10H3/(MGTB09H3) and MGIB02H3/(MGTB25H3)

Exclusion: (MGTD48H3), **MGSC01H3**

Enrolment Limits: 40

Breadth Requirement: Social & Behavioural Sciences

**Item 19: Course change – MGIC14H3**

*Rationale:*

MGSC14H3 covers much of the same theoretical material as MGIC14H3. It is being added as an exclusion to avoid duplication.

*Calendar Copy Showing Changes:*

MGIC14H3 International Business Ethics

In a world that's increasingly globalized internationally and multicultural domestically, an ability to deal with the ethical issues arising in international business is essential to a managerial career. Sample topics: Reconciling the different cultural norms of one's home and host countries, and dealing with issues such as child labour and human rights violations.

Prerequisite: [MGTA01H3/(MGTA03H3) and MGTA02H3/(MGTA04H3)] or MGTA05H3

Exclusion: (MGTD01H3), **MGSC14H3**

Enrolment Limits: 40

Breadth Requirement: History, Philosophy & Cultural Studies

**Item 20: Course change – MGID79H3**

*Rationale:*

MGSD01H3 covers much of the same theoretical material as MGID79H3. It is being added as an exclusion to avoid duplication.

*Calendar Copy Showing Changes:***MGID79H3 International Capstone Case Analysis**

This course focuses on critical thinking and problem solving skills through analyzing, researching and writing comprehensive business cases, and is offered in the final semester of the MIB specialist program. It is designed to provide students the opportunity to apply the knowledge acquired from each major area of management studies to international real-world situations.

Prerequisite: MGAB03H3/(MGTB03H3) and MGIA01H3/(MGTB07H3) and MGIB12H3/(MGTB22H3) and MGIB02H3/(MGTB25H3) and MGFC10H3/(MGTC09H3) and MGIC14H3/(MGTD01H3) and MGIC01H3/(MGTD48H3) and [MGEC61H3/(ECMC61H3) or MGEC62H3/(ECMC62H3)]

Exclusion: (MGTD79H3), **MGSD01H3**

Enrolment Limits: 40

Breadth Requirement: Social & Behavioural Sciences

***Item 21: Course change – MGSC01H3****Rationale:*

MGIC01H3 covers much the same theoretical ground as MGSC01H3. It is being added as an exclusion to avoid duplication.

*Calendar Copy Showing Changes:***MGSC01H3 Corporate Strategy**

Begins with an examination of the concept of business mission. Students are then challenged to evaluate the external and industry environments in which businesses compete, to identify sources of competitive advantage and value creation, and to understand and evaluate the strategies of active Canadian companies.

Prerequisite: [MGHB02H3 or (MGTB29H3) or (MGTB27Y3)] and [MGEB02H3/(ECMB02H3) or MGEB06H3/(ECMB06H3)]

Exclusion: (MGTC41H3), **MGIC01H3**, MGT492H, RSM392H, VPAC13H3

Enrolment Limits: 40

Breadth Requirement: Social & Behavioural Sciences

***Item 22: Course change – MGSC03H3****Rationale:*

MGSC03H3 includes Political Science prerequisites so that Political Science students have the opportunity to take the course. The Department of Political Sciences has deleted POLB50H3 and POLB52H3 and replaced them with POLB50Y3. The Political Science prerequisites for MGSC03H3 are simply being updated to acknowledge this change thereby ensuring Political Science students will have continued access to this course.

*Calendar Copy Showing Changes:*

**MGSC03H3 Public Management**

An introduction to key public sector management processes: strategic management at the political level, planning, budgeting, human resource management, and the management of information and information technology. Makes use of cases, and simulations to develop management skills in a public sector setting.

Prerequisite: [MGHB02H3 or (MGTB23H3) or (MGTB27Y3)] or ~~{(POLB50H3) and (POLB52H3)}~~ **POLB50Y3**

Exclusion: (MGTC42H3)

Enrolment Limits: 35

Breadth Requirement: Social & Behavioural Sciences

***Item 23: Course change – MGSC05H3***

*Rationale:*

POLB50Y3 is being added at the request of the Department of Political Sciences to give political science students an alternative prerequisite that comes from within their own program that will enable them to take this course.

*Calendar Copy Showing Changes:*

**MGSC05H3 The Changing World of Business - Government Relations**

How regulation, privatization and globalization are affecting today's managers.

Most major management issues and business opportunities involve government (domestic or foreign) at some level - whether as lawmaker, customer, partner, investor, tax-collector, grant-giver, licensor, dealmaker, friend or enemy. This course provides students with an understanding of the issues and introduces some of the skills necessary to successfully manage a business's relationship with government.

Prerequisite: [MGTA01H3/(MGTA03H3) and MGTA02H3/(MGTA04H3)] or MGTA05H3 or **POLB50Y3**

Exclusion: (MGTC45H3)

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

***Item 24: Course change – MGSC14H3***

*Rationale:*

The course excluded is offered only for students in the Management of International Business (MIB) program. That course covers much the same theoretical ground as this course. Thus MIB students who take the excluded course should not also take this course.

*Calendar Copy Showing Changes:*

**MGSC14H3 Management Ethics**

Increasingly, the marketplace has come to reward -- and government regulators have come to demand -- a sophisticated managerial approach to the ethical problems that arise in business.

Topics include ethical issues in international business, finance, accounting, advertising, intellectual property, environmental policy, product and worker safety, new technologies, affirmative action, and whistle-blowing.

Prerequisite: [MGTA01H3/(MGTA03H3) and MGTA02H3/(MGTA04H3)] or MGTA05H3

Exclusion: (MGTC59H3), **MGIC14H3**, PHLB06H3

Enrolment Limits: 60

Breadth Requirement: History, Philosophy & Cultural Studies

***Item 25: Course change – MGSD01H3***

*Rationale:*

The course excluded is offered only for students in the Management of International Business (MIB) program. That course covers much the same theoretical ground as this course. Thus MIB students who take the excluded course should not also take this course.

*Calendar Copy Showing Changes:*

**MGSD01H3 Senior Seminar in Strategic Management**

This course allows 4th year specialists in strategic management to apply their specific skills to several larger, in-depth studies of strategic management issues in open-ended real-world cases. How strategic decisions are made at the higher levels of management with an opportunity to integrate previous training through analyses and presentations.

Prerequisite: Completion of at least 11.0 full credits with 1.0 full credit (2 courses) from MGSC01H3/(MGTC41H3), MGSC03H3/(MGTC42H3) or MGSC05H3/(MGTC45H3).

Exclusion: (MGTD47H3), **MGID79H3**

Enrolment Limits: 20

Breadth Requirement: Social & Behavioural Sciences

**Department of Philosophy**

***Note regarding consultation:***

All changes have been approved by the Departmental Curriculum Committee, and reviewed by the Dean's Office. Where changes may have had an impact on outside academic units, appropriate consultation has taken place.

***Item 1: Course change – PHLB07H3***

*Rationale:*

Eliminating the enrolment limit will allow the department to better adapt to fluctuating student demand, and will enable us to better accommodate our waitlisted students.

*Calendar Copy Showing Changes:*

**PHLB07H3 Ethics**

What is the difference between right and wrong? What is 'the good life'? What is well-being?

What is autonomy? These notions are central in ethical theory, law, bioethics, and in the popular

imagination. In this course we will explore these concepts in greater depth, and then consider how our views about them shape our views about ethics.

~~Enrolment Limits: 100~~

Breadth Requirement: History, Philosophy & Cultural Studies

***Item 2: Course change – PHLB17H3***

*Rationale:*

POLB72H3 replaces POLB71H3 as the foundational political theory course at the B-level in the Department of Political Science. This updated exclusion reflects that change.

*Calendar Copy Showing Changes:*

PHLB17H3 Introduction to Political Philosophy

This course will introduce some important concepts of and thinkers in political philosophy from the history of political philosophy to the present. These may include Plato, Aristotle, Augustine, Aquinas, Thomas Hobbes, John Locke, Jean-Jacques Rousseau, G.W.F. Hegel, John Stuart Mill, or Karl Marx. Topics discussed may include political and social justice, liberty and the criteria of good government.

Exclusion: PHL265H, (POLB71H3). ~~Note:~~ In addition, PHLB17H3 may not be taken after or concurrently with ~~POLB71H3~~ POLB72H3

Breadth Requirement: History, Philosophy & Cultural Studies

***Item 3: Course change – PHLB99H3***

*Rationale:*

PHLA10H3 and PHLA11H3 are service-learning courses that students in Philosophy programs are not required to take. This change will allow students who have completed an introductory course in Philosophy at the B-level to enroll in PHLB99H3.

*Calendar Copy Showing Changes:*

PHLB99H3 Writing for Philosophy

Philosophical writing emphasizes clear reasoning. Students will learn to analyze texts, to discern and assess argument structure, and to develop techniques for writing a clear well-argued analysis of a subject matter. These key writing skills lie at the core of philosophical method and they are also applicable across subject areas and disciplines. This course is *strongly recommended* for philosophy specialists and majors, open to philosophy minors, and open to all other students by permission of the instructor.

Prerequisite: ~~PHLA10H3 or PHLA11H3~~ 0.5 credit in Philosophy, excluding [PHLB50H3 and PHLB55H3]

Breadth Requirement: History, Philosophy & Cultural Studies

**Item 4: Course change – PHLC32H3**

*Rationale:*

With PHLB35H3 repositioned as the primary introduction to early modern philosophy, it is no longer an appropriate prerequisite for advanced study in ancient philosophy. This change will not impact the course structure or learning outcomes for PHLC32H3.

*Calendar Copy Showing Changes:*

PHLC32H3 Ancient Philosophy

This course focuses on the thought of Plato and Aristotle, with some attention to the pre-Socratics and Hellenistic thinkers, including ancient atomists and the Stoics.

Prerequisite: 5.0 full credits, including one of [(PHLB16H3), PHLB17H3, PHLB31H3, PHLB33H3, ~~PHLB35H3~~, ~~(PHLB36H3)~~] and 1.0 additional credit in Philosophy

Exclusion: (PHL300H), PHL303H, PHL304H

Breadth Requirement: History, Philosophy & Cultural Studies

**Item 5: Course change – PHLC35H3**

*Rationale:*

Due to the repositioning of PHLB17H3 as the introductory course to political philosophy, it is no longer an appropriate prerequisite for advanced study in early modern philosophy.

*Calendar Copy Showing Changes:*

PHLC35H3 Topics in Early Modern Philosophy: Rationalism

In this course we study the major figures of early modern rationalism, Descartes, Spinoza, and Leibniz, with a particular emphasis on topics such as substance, knowledge and sense perception, the mind-body problem, and the existence and nature of God.

Prerequisite: 5.0 full credits, including one of [(PHLB16H3), ~~PHLB17H3~~, PHLB31H3, PHLB33H3, PHLB35H3, (PHLB36H3)] and 1.0 additional credit in Philosophy

Exclusion: PHL310H

Breadth Requirement: History, Philosophy & Cultural Studies

**Item 6: Course change – PHLC36H3**

*Rationale:*

Due to the repositioning of PHLB17H3 as the introductory course to political philosophy, it is no longer an appropriate prerequisite for advanced study in early modern philosophy.

*Calendar Copy Showing Changes:*

PHLC36H3 Topics in Early Modern Philosophy: Empiricism

In this course we study major figures of early modern empiricism, Locke, Berkeley, Hume, with a particular emphasis on topics such as substance, knowledge and sense perception, the mind-body problem, and the existence and nature of God.

Prerequisite: 5.0 full credits, including one of [(PHLB16H3), ~~PHLB17H3~~, PHLB31H3,

PHLB33H3, PHLB35H3, (PHLB36H3)] and 1.0 additional credit in Philosophy

Exclusion: PHL311H

Breadth Requirement: History, Philosophy & Cultural Studies

***Item 7: Course change – PHLC92H3***

*Rationale:*

PHLB17H3 now functions as the primary introduction to political philosophy, so it ought to be incorporated into the prerequisite structure for advanced seminars in political philosophy.

*Calendar Copy Showing Changes:*

PHLC92H3 Political Philosophy

An examination of some central philosophical problems of contemporary political philosophy.

Prerequisite: 5.0 full credits, including one of [PHLB02H3, PHLB05H3, PHLB06H3, PHLB07H3, (PHLB08H3), PHLB09H3, **PHLB17H3**, (PHLB36H3)] and 1.0 additional credit in Philosophy

Breadth Requirement: History, Philosophy & Cultural Studies

***Item 8: Course change – PHLC93H3***

*Rationale:*

PHLB17H3 now functions as the primary introduction to political philosophy, so it ought to be incorporated into the prerequisite structure for advanced seminars in political philosophy.

*Calendar Copy Showing Changes:*

PHLC93H3 Topics in Political Philosophy

This course will examine some contemporary debates in recent political philosophy. Topics discussed may include the nature of justice, liberty and the criteria of good government, and problems of social coordination.

Prerequisite: 5.0 full credits, including one of [PHLB02H3, PHLB05H3, PHLB06H3, PHLB07H3, (PHLB08H3), PHLB09H3, **PHLB17H3**, (PHLB36H3)] and 1.0 additional credit in Philosophy

Breadth Requirement: History, Philosophy & Cultural Studies

***Item 9: Course change – PHLD35H3***

*Rationale:*

Eliminating the enrolment limit will allow the department to better adapt to fluctuating student demand, and will enable us to better accommodate our waitlisted students.

*Calendar Copy Showing Changes:*

PHLD35H3 Advanced Seminar in Rationalism

This course offers in-depth examination of the philosophical approach offered by one of the three principal Rationalist philosophers, Descartes, Spinoza or Leibniz.

Prerequisite: 3.5 credits in Philosophy, including at least 2 courses (1.0 credit) at the C-level, one of which must be in the history of philosophy.

~~Enrolment Limits: 20~~

Breadth Requirement: History, Philosophy & Cultural Studies

***Item 10: Course change – PHLD79H3***

*Rationale:*

Eliminating the enrolment limit will allow the department to better adapt to fluctuating student demand, and will enable us to better accommodate our waitlisted students.

*Calendar Copy Showing Changes:*

PHLD79H3 Advanced Seminar in Metaphysics

This seminar addresses core issues in the metaphysics of mind. Topics to be discussed may include the nature of persons and personal identity, whether physicalism is true, what is the relation of mind to reality in general, the nature of animal minds and the question of whether machines can possess minds.

Prerequisite: 3.5 credits in Philosophy, at least 1.0 credit at the C-level.

~~Enrolment Limits: 20~~

## **Department of Physical and Environmental Sciences**

***Note regarding consultation:***

All changes have been approved by the Departmental Curriculum Committee, and reviewed by the Dean's Office. Where changes may have had an impact on outside academic units, appropriate consultation has taken place.

***Item 1: Program change – Specialist in Environmental Chemistry (BSc); Specialist (Co-operative) in Environmental Chemistry (BSc)***

*Overview of Changes:*

- Delete PHYA11H3 as an option in the first year requirements – PHYA10H3 becomes a required course
- EESB15 is changed from an optional to required course in year two requirements
- EESD02H3 and EESD15H3 are changed from required to optional courses in year four requirements

*Rationale:*

- PHYA10 is a required prerequisite for CHMB20; as such, the option of taking PHYA11 should be removed because students will not be able to use it as a prerequisite for CHMB20 (which is also a program requirement).
- EESB15 is mandatory for the other Environmental Science Specialist streams and will be a mandatory prerequisite for EESC20 (required for this program). This change is being



proposed to streamline student preparation to ensure that they have the appropriate prerequisites for year 3 of the program.

- EESD15H3 has been removed from the list of required courses because it is not a chemistry course and doesn't provide the scientific enrichment expected and is inconsistent with the breadth learning outcomes of the program. It becomes an optional course for 4<sup>th</sup> year students as it is a recommended course for ECO accreditation.

*Calendar Copy Showing Changes:*

SPECIALIST PROGRAM IN ENVIRONMENTAL CHEMISTRY (SCIENCE)  
SPECIALIST (CO-OPERATIVE) PROGRAM IN ENVIRONMENTAL CHEMISTRY  
(SCIENCE)

*Supervisor of Studies:* Myrna Simpson (416) 287-7234 *Email:* myrna.simpson@utoronto.ca

~~*Advisor:* J. Donaldson (416 287 7213)~~

Program Requirements

Total requirements: 15.0 full credits

First Year:

EESA01H3 Introduction to Environmental Science

EESA06H3 Introduction to Planet Earth

BIOA01H3 Life on Earth: Unifying Principles

BIOA02H3 Life on Earth: Form, Function and Interactions

CHMA10H3 Introductory Chemistry I: Structure and Bonding

CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms

MATA30H3 Calculus I for Biological and Physical Sciences

MATA36H3 Calculus II for Physical Sciences

~~{PHYA10H3 Introduction to Physics IA or PHYA11H3 Introduction to Physics IB}~~

Second Year:

BIOB50H3 Ecology

CHMB20H3 Chemical Thermodynamics and Elementary Kinetics

CHMB21H3 Chemical Structure and Spectroscopy

CHMB41H3 Organic Chemistry I

CHMB42H3 Organic Chemistry II

CHMB55H3 Environmental Chemistry

**EESB15H3 Earth History**

STAB22H3 Statistics I

*and*

~~1.0 full~~ **0.5** credit from the following:

EESB03H3 Principles of Climatology

EESB04H3 Principles of Hydrology

EESB05H3 Principles of Soil Science

~~EESB15H3 Earth History~~

EESB19H3 Mineralogy

Third Year:

EESC03H3 Geographic Information Systems and Remote Sensing  
 EESC07H3 Groundwater  
 EESC13H3 Environmental Impact Assessment and Auditing  
 EESC20H3 Geochemistry  
 CHMB16H3 Techniques in Analytical Chemistry  
 CHMB31H3 Introduction to Inorganic Chemistry  
 PSCB57H3 Introduction to Scientific Computing

Fourth Year:

~~EESD02H3 Contaminant Hydrogeology~~  
~~EESD15H3 Cleaning Up Our Mess: Remediation of Terrestrial and Aquatic Environments~~  
 CHMC11H3 Principles of Analytical Instrumentation

*and*

1.0 credit from the following:

EESD02H3 Contaminant Hydrogeology  
 EESD13H3 Environmental Law and Ethics  
 EESD15H3 Cleaning Up Our Mess: Remediation of Terrestrial and Aquatic Environments

*and*

1.0 credit from the following:

CHMC21H3 Topics in Biophysical Chemistry  
 CHMC31Y3 Intermediate Inorganic Chemistry  
 CHMC41H3 Organic Reaction Mechanisms  
 CHMC42H3 Organic Synthesis  
 CHMC47H3 Bio-Organic Chemistry  
 CHMD59H3 Topics in Environmental Chemistry  
 CHMD89H3 Introduction to Green Chemistry  
~~EESD13H3 Environmental Law and Ethics~~

***Item 2: Program change - Specialist in Environmental Physics (BSc); Specialist (Co-operative) in Environmental Physics (BSc)***

*Overview of Changes:*

- Add PHYD26H3 to the list of options in the Fourth Year requirements
- Delete PHYD11H3 from the list of options in the Fourth Year requirements

*Rationale:*

- PHYD26H3 is a new course being added as option to increase the options available in advanced topics for students
- PHYD11H3 is being deleted from the program because it is being deleted as a course

*Calendar Copy Showing Changes:*

### SPECIALIST PROGRAM IN ENVIRONMENTAL PHYSICS (SCIENCE)

The Specialist Program in Environmental Physics (B.Sc.) includes a co-operative option. For more information and details regarding the program, and its admission requirements, please see the Environmental Science section of the Calendar at:

[http://www.utsc.utoronto.ca/~registrar/calendars/calendar?Environmental\\_Science.html](http://www.utsc.utoronto.ca/~registrar/calendars/calendar?Environmental_Science.html)

Supervisors of Studies: W.A. Gough (416-208-4873) Email: [gough@utsc.utoronto.ca](mailto:gough@utsc.utoronto.ca) and J. Lowman (416 208-4880) Email: [lowman@utsc.utoronto.ca](mailto:lowman@utsc.utoronto.ca)

#### **Program Requirements**

Total Requirements: 15.5 full credits

First Year (4.0 credits):

PHYA10H3 Introduction to Physics IA

PHYA21H3 Introduction to Physics IIA

MATA30H3 Calculus I for Biological and Physical Sciences

MATA36H3 Calculus II for Physical Sciences

CHMA10H3 Introductory Chemistry I: Structure and Bonding

CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms

EESA06H3 Introduction to Planet Earth

MATA23H3 Linear Algebra I

Second Year (4.5 credits):

PHYB10H3 Intermediate Physics Laboratory I

PHYB21H3 Electricity and Magnetism

PHYB52H3 Thermal Physics

PHYB54H3 Mechanics: From Oscillations to Chaos

MATB41H3 Techniques of Calculus of Several Variables I

MATB42H3 Techniques of Calculus of Several Variables II

MATB44H3 Differential Equations I

Two of:

EESB02H3 Principles of Geomorphology

EESB03H3 Principles of Climatology

EESB04H3 Principles of Hydrology

EESB05H3 Principles of Soil Science

EESB15H3 Earth History

Third Year (4.0 credits):

PHYB56H3 Introduction to Quantum Physics

PHYC11H3 Intermediate Physics Laboratory II

PSCB57H3 Introduction to Scientific Computing

MATC46H3 Differential Equations II

STAB22H3 Statistics I

One of:

PHYC50H3 Electromagnetic Theory  
 PHYC54H3 Classical Mechanics

Two of:

CHMB55H3 Environmental Chemistry  
 EESC07H3 Groundwater  
 EESC18H3 The Great Lakes: An Introduction to Physical Limnology  
 EESC19H3 Marine Systems  
 EESC20H3 Geochemistry  
 EESC31H3 Principles of Glacial Sedimentology and Stratigraphy

Fourth Year (3.0 credits):

PHYD37H3 Introduction to Fluid Mechanics  
 PHYD38H3 Nonlinear Systems and Chaos

Four of:

ASTC25H3 Astrophysics of Planetary Systems  
 EESC03H3 Geographic Information Systems and Remote Sensing  
 EESD02H3 Contaminant Hydrogeology  
 EESD06H3 Climate Change Impact Assessment  
 EESD09H3 Research Project in Environmental Science\*  
 EESD13H3 Environmental Law and Ethics  
 PHYC50H3 Electromagnetic Theory  
 PHYC54H3 Classical Mechanics  
 PHYD01H3 ~~Physics~~ Research Project in Physics and Astrophysics\*  
~~PHYD11H3 Computational Physics Project\*~~  
 PHYD72H3 Supervised Reading in Physics and Astrophysics\*  
 PHYD26H3 Planetary Geophysics

\*no more than two of EESD10Y3, PHYD01H3, PHYD11H3 and PHYD72H3 may be counted as fulfilling the program requirements.

NOTE: Where any course appears on more than one option list, it may only be counted as fulfilling the requirements for one of those lists of options.

***Item 3: Program change – Specialist in Physical and Mathematical Sciences (BSc)***

*Overview of Changes:*

- Add two new courses PHYD26H3 and PSCD50H3 as options to the Third or Fourth Year requirement
- Delete PHYD11H3, ASTD01H3, ASTD02H3 and (PSCD10H3) as options from the Third or Fourth Year requirement

*Rationale:*

- Two new courses added are being added as options to increase the options available in advanced topics for students.
- PHYD11H3, ASTD01H3, ASTD02H3 are being deleted; PSCD10H3 is a deleted course that can now be removed from the program

*Calendar Copy Showing Changes:*

## SPECIALIST PROGRAM IN PHYSICAL AND MATHEMATICAL SCIENCES (SCIENCE)

Supervisor: P. Artymowicz (416-287-7244) Email: pawel@utsc.utoronto.ca

This Program provides a framework of courses in the Physical Sciences based upon a firm Mathematical foundation, relating Astronomy, Chemistry, Computer Science, Physics and Statistics. It prepares students for careers in teaching, industry, and government as well as for further studies at the graduate level.

### **Program Requirements**

This program requires 15.5 credits as follows:

First Year:

PHYA10H3 Introduction to Physics IA

PHYA21H3 Introduction to Physics IIA

CHMA10H3 Introductory Chemistry I: Structure and Bonding

CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms

MATA30H3 Calculus I for Biological and Physical Sciences

MATA23H3 Linear Algebra I

[MATA36H3 Calculus II for Physical Sciences or MATA37H3 Calculus II for Mathematical Sciences]

Second Year

PHYB10H3 Intermediate Physics Laboratory I

PHYB56H3 Introduction to Quantum Physics

PHYB21H3 Electricity and Magnetism

PHYB52H3 Thermal Physics

MATB24H3 Linear Algebra II

MATB41H3 Techniques of the Calculus of Several Variables I

MATB42H3 Techniques of the Calculus of Several Variables II

MATB44H3 Differential Equations I

Second or Third Year

PHYB54H3 Mechanics: From Oscillations to Chaos

ASTB23H3 Astrophysics of Stars, Galaxies and the Universe

CHMB20H3 Chemical Thermodynamics and Elementary Kinetics

CHMB21H3 Chemical Structure and Spectroscopy

MATB61H3 Linear Programming

PSCB57H3 Introduction to Scientific Computing

CSCB58H3 Computer Organization

STAB52H3 An Introduction to Probability

Third or Fourth Year

4.0 credits from:

ASTC25H3 Astrophysics of Planetary Systems

MATC34H3 Complex Variables

MATC46H3 Differential Equations II  
 PHYC50H3 Electromagnetic Theory  
 PHYC56H3 Quantum Mechanics I  
 PHYC11H3 Intermediate Physics Laboratory II  
 PHYC54H3 Classical Mechanics  
 PHYD37H3 Introduction to Fluid Mechanics  
 PHYD38H3 Introduction to Nonlinear Systems and Chaos  
 CSCC37H3 Introduction to Numerical Algorithms for Computational Mathematics  
 CSCD37H3 Analysis of Numerical Algorithms for Computational Mathematics  
 PSCD02H3 Current Questions in Mathematics and Science  
 PHYD26H3 Planetary Geophysics  
 PSCD50H3 Advanced Topics in Quantum Mechanics  
 [PHYD01H3 ~~Physics Research Project in Physics and Astrophysics~~ or PHYD11H3 ~~Computational Physics Project~~ or PHYD72H3 Supervised Reading in Physics and Astrophysics  
 or ASTD01H3 ~~Astrophysics Research Project~~ or ASTD02H3 ~~Supervised Reading in Astrophysics~~ or (PSCD10H3) ~~Physical Sciences Project~~]

**Item 4: Program change – Major in Physical Science (BSc)**

*Overview of Changes:*

- Add two new courses PHYD26H3 and PSCD50H3 as options to the Third or Fourth Year requirement
- Delete PHYD11H3, ASTD01H3, ASTD02H3 and (PSCD10H3) as options from the Third or Fourth Year requirement

*Rationale:*

- Two new courses added are being added as options to increase the options available in advanced topics for students.
- PHYD11H3, ASTD01H3, ASTD02H3 are being deleted; PSCD10H3 is a deleted course that can now be removed from the program

*Calendar Copy Showing Changes:*

**MAJOR PROGRAM IN PHYSICAL SCIENCES (SCIENCE)**

Supervisor: G. Lorincz (416-287-7248) Email: lorincz@utsc.utoronto.ca

The Major Program in Physical Sciences is intended for students desiring a general background in the physical sciences (with emphasis in the area of astronomy, physics and physical chemistry) but who do not intend to pursue graduate studies.

Parallel major Programs for students more interested in the mathematical sciences or in chemistry are offered in Mathematical Sciences, in Chemistry, and in Biochemistry.

**Program Requirements:**

This program requires 8.0 full credits as follows:

First Year:

- PHYA10H3 Introduction to Physics IA
- PHYA21H3 Introduction to Physics IIA
- CHMA10H3 Introductory Chemistry I: Structure and Bonding
- CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms
- MATA30H3 Calculus I for Biological and Physical Sciences
- MATA23H3 Linear Algebra I
- [MATA36H3 Calculus II for Physical Sciences or MATA37H3 Calculus II for Mathematical Sciences]

Second or Third Year

Five of:

- PHYB10H3 Intermediate Physics Laboratory I
- PHYB21H3 Electricity and Magnetism
- PHYB52H3 Thermal Physics
- PHYB54H3 Mechanics: From Oscillations to Chaos
- PHYB56H3 Introduction to Quantum Physics
- MATB24H3 Linear Algebra II
- MATB41H3 Techniques of the Calculus of Several Variables I
- MATB42H3 Techniques of the Calculus of Several Variables II
- MATB44H3 Differential Equations I
- ASTB23H3 Astrophysics of Stars, Galaxies and the Universe
- CHMB20H3 Chemical Thermodynamics and Elementary Kinetics
- CHMB21H3 Chemical Structure and Spectroscopy
- STAB22H3 Statistics I

Third or Fourth Year

Four of:

- ASTC25H3 Astrophysics of Planetary Systems
- MATC34H3 Complex Variables
- MATC46H3 Differential Equations II
- PHYC50H3 Electromagnetic Theory
- PHYC56H3 Quantum Mechanics I
- PHYC11H3 Intermediate Physics Laboratory II
- PHYC54H3 Classical Mechanics
- PHYD37H3 Introduction to Fluid Mechanics
- PHYD38H3 Introduction to Nonlinear Systems and Chaos
- PSCB57H3 Introduction to Scientific Computing
- PSCD02H3 Current Questions in Mathematics and Science
- PHYD26H3 Planetary Geophysics**
- PSCD50H3 Advanced Topics in Quantum Mechanics**
- [PHYD01H3 ~~Physics Research Project~~ **in Physics and Astrophysics** or ~~PHYD11H3 Computational Physics Project~~ or PHYD72H3 Supervised Reading in Physics **and Astrophysics**]

~~or ASTD01H3 Astrophysics Research Project or ASTD02H3 Supervised Reading in Astrophysics or (PSCD10H3) Physical Sciences Project]~~

**Item 5: Program change – Specialist in Physics and Astrophysics (BSc)**

*Overview of Changes:*

- Add two new courses PHYD26H3 and PSCD50H3 as options to the Fourth Year requirement
- Delete PHYD11H3, ASTD01H3, ASTD02H3 and (PSCD10H3) as options from the Fourth Year requirement

*Rationale:*

- Two new courses added are being added as options to increase the options available in advanced topics for students.
- PHYD11H3, ASTD01H3, ASTD02H3 are being deleted; PSCD10H3 is a deleted course that can now be removed from the program

*Calendar Copy Showing Changes:*

SPECIALIST PROGRAM IN PHYSICS AND ASTROPHYSICS (SCIENCE)

Supervisor: K. Menou (416-287-5060) Email: kmenou@utsc.utoronto.ca

**Program Requirements:**

The Program requires 13.0 full credits as follows:

First Year

PHYA10H3 Introduction to Physics IA  
 PHYA21H3 Introduction to Physics IIA  
 MATA30H3 Calculus I for Biological and Physical Sciences  
 MATA23H3 Linear Algebra I  
 [MATA36H3 Calculus II for Physical Sciences  
 or  
 MATA37H3 Calculus II for Mathematical Sciences]

Second Year

ASTB23H3 Astrophysics of Stars, Galaxies and the Universe  
 PHYB10H3 Intermediate Physics Laboratory I  
 PHYB56H3 Introduction to Quantum Physics  
 PHYB21H3 Electricity and Magnetism  
 PHYB52H3 Thermal Physics  
 PHYB54H3 Mechanics: From Oscillations to Chaos  
 MATB41H3 Techniques of the Calculus of Several Variables I  
 MATB42H3 Techniques of the Calculus of Several Variables II  
 MATB44H3 Differential Equations I



Third Year

PHYC50H3 Electromagnetic Theory  
 PHYC56H3 Quantum Mechanics I  
 PHYC11H3 Intermediate Physics Laboratory II  
 PHYC54H3 Classical Mechanics  
 PSCB57H3 Introduction to Scientific Computing  
 MATC34H3 Complex Variables  
 MATC46H3 Differential Equations II

Fourth Year

Three of:

ASTC25H3 Astrophysics of Planetary Systems  
 PHYD37H3 Introduction to Fluid Mechanics  
 PHYD38H3 Introduction to Nonlinear Systems and Chaos  
 PHYD26H3 Planetary Geophysics  
 PSCD50H3 Advanced Topics in Quantum Mechanics  
 PHY452H Basic Statistical Mechanics  
 PHY456H Quantum Mechanics II  
 PHY483H Relativity Theory I  
 PHY484H Relativity Theory II  
 PHY487H Condensed Matter Physics  
 PHY489H Introduction to High Energy Physics  
 PHY491H Current Interpretations of Quantum Mechanics  
 PHY492H Advanced Atmospheric Physics  
 PHY493H Geophysical Imaging I  
 PHY494H Geophysical Imaging II  
 PHY495H Experimental Global Geophysics  
 PHY496H Experimental Applied Geophysics

One of:

PHYD01H3 Physics Research Project  
~~PHYD11H3 Computational Physics Project~~  
 PHYD72H3 Supervised Reading in Physics  
~~ASTD01H3 Astrophysics Research Project~~  
~~ASTD02H3 Supervised Reading in Astrophysics~~  
~~(PSCD10H3) Physical Sciences Project~~

One additional 0.5 credit from a course in AST or PHY at the C-, D-, 300-, or 400-level, or PSCD02H3 Current Questions in Mathematics and Science

***Item 6: Program change – Major in Physics and Astrophysics (BSc)***

*Overview of Changes:*

- Add two new courses PHYD26H3 and PSCD50H3 as options to the Second and Later Year requirements
- Delete PHYD11H3, ASTD01H3, ASTD02H3 and (PSCD10H3) as options from the Second and Later Year requirements

*Rationale:*

- Two new courses added are being added as options to increase the options available in advanced topics for students.
- PHYD11H3, ASTD01H3, ASTD02H3 are being deleted; PSCD10H3 is a deleted course that can now be removed from the program

*Calendar Copy Showing Changes:*

MAJOR PROGRAM IN PHYSICS AND ASTROPHYSICS (SCIENCE)

Supervisor: D. Valencia (416-208-2986) Email: diana.valencia@utoronto.ca

**Program Requirements**

This program requires 8.5 credits as follows:

First Year

PHYA10H3 Introduction to Physics IA

PHYA21H3 Introduction to Physics IIA

MATA30H3 Calculus I for Biological and Physical Sciences

MATA23H3 Linear Algebra I

[MATA36H3 Calculus II for Physical Sciences or MATA37H3 Calculus II for Mathematical Sciences]

Second and Later Years

ASTB23H3 Astrophysics of Stars, Galaxies and the Universe

MATB41H3 Techniques of the Calculus of Several Variables I

MATB42H3 Techniques of the Calculus of Several Variables II

MATB44H3 Differential Equations I

PHYB10H3 Intermediate Physics Laboratory I

Three of:

PHYB56H3 Introduction to Quantum Physics

PHYB21H3 Electricity and Magnetism

PHYB52H3 Thermal Physics

PHYB54H3 Mechanics: From Oscillations to Chaos

A total of 2.0 credits from:

ASTC25H3 Astrophysics of Planetary Systems

MATC34H3 Complex Variables

MATC46H3 Differential Equations II

PHYC50H3 Electromagnetic Theory

PHYC56H3 Quantum Mechanics I

PHYC11H3 Intermediate Physics Laboratory II

PHYC54H3 Classical Mechanics

PHYD37H3 Introduction to Fluid Mechanics

PHYD38H3 Nonlinear Systems and Chaos

PSCB57H3 Introduction to Scientific Computing  
 PSCD02H3 Current Questions in Mathematics and Science  
 PHYD26H3 Planetary Geophysics  
 PSCD50H3 Advanced Topics in Quantum Mechanics  
 [PHYD01H3 ~~Physics Research Project~~ in Physics and Astrophysics or PHYD11H3  
 Computational Physics Project or PHYD72H3 Supervised Reading in Physics and Astrophysics  
 or ASTD01H3 ~~Astrophysics Research Project~~ or ASTD02H3 ~~Supervised Reading in  
 Astrophysics~~ or (PSCD10H3) ~~Physical Sciences Project~~]

**Item 7: Program change – Minor in Astronomy and Astrophysics**

*Overview of Changes:*

- Delete ASTD01H3 as an option; add PHYD01H3 as an option
- Delete ASTD02H3 as an option; add PHYD72H3 as an option

*Rationale:*

Over the last few years, there has been little to no difference in terms of learning outcomes or methods of assessment between the courses ASTD01H3 and PHYD01H3 and between ASTD02H3 and PHYD72H3. These courses are supervised by the same faculty members and projects in these courses are almost identical. In which course students end up enrolling is often random. Consequently, ASTD01H3 and ASTD02H3 are being deleted and replaced by PHYD01H3 and PHYD72H3.

*Calendar Copy Showing Changes:*

MINOR PROGRAM IN ASTRONOMY AND ASTROPHYSICS (SCIENCE)

*Supervisor:* J. Bayer Carpintero (416-287-7327) *Email:* jbayer@utsc.utoronto.ca

Program Requirements:

Students must complete 5.0 full credits as follows:

ASTB23H3 Astrophysics of Stars, Galaxies and the Universe  
 PHYA10H3 Introduction to Physics IA  
 PHYA21H3 Introduction to Physics IIA  
 MATA30H3 Calculus I for Biological and Physical Sciences  
 MATA23H3 Linear Algebra I  
 [MATA36H3 Calculus II for Physical Sciences or  
 MATA37H3 Calculus II for Mathematical Sciences]  
 ASTC25H3 Astrophysics of Planetary Systems  
 MATB41H3 Techniques of the Calculus of Several Variables I  
 MATB42H3 Techniques of the Calculus of Several Variables II  
 [~~ASTD01H3 Astrophysics Research Project~~ PHYD01H3 Research Project in Physics and  
 Astrophysics or ASTD02H3 Supervised Reading in Astrophysics PHYD72H3 Supervised  
 Reading in Physics and Astrophysics or any other AST C- or D-level course]

**Item 8: Course change – EESC20H3**

*Rationale:*

Currently, students are not meeting the 1.0 credit in EES B level courses for a number of valid reasons. For example, students who switch programs find themselves between years or those in the Co-op program find it difficult to meet all of the prerequisite requirements.

To simplify the prerequisite requirements and reduce the number of students who are excluded from this course, the EES B level requirements are being modified to only 1 course (EESB15H3).

*Calendar Copy Showing Changes:*

EESC20H3 Geochemistry

The course will cover fundamental aspects of chemical processes occurring at the Earth's surface. Terrestrial and aquatic geochemical processes such as: mineral formation and dissolution, redox, aqueous-solid phase interactions, stable isotopes, and organic geochemistry in the environment will be covered.

Prerequisite: CHMA10H3, and CHMA11H3; and 1.0 credit from any of EESB02H3, EESB04H3, EESB05H3, and EESB15H3

Exclusion: (EESD32H3), CHM210H, GLG202H, GLG351H

Breadth Requirement: Natural Sciences

**Item 9: Course change – EESC31H3**

*Rationale:*

EESB20H3 is a new course ‘Sedimentology and Stratigraphy’ that will prepare students for C31H3.

*Calendar Copy Showing Changes:*

~~EESC31H3 Principles of Glacial Sedimentology and Stratigraphy~~ **Glacial Geology**

The last 2.5 million years has seen the repeated formation of large continental ice sheets over North America and Europe. ~~The landscape of Ontario is a fossil landscape inherited from the last Laurentide Ice Sheet that disappeared only 10,000 years ago; much of southern Ontario is buried by glacial sediments and the Great Lakes are the direct result of glaciation. The course will review the cause of glaciations and their geological and geomorphological effects paying special regard to the long record of past glacial and interglacial climates preserved in the Toronto region.~~ **The course will review the stratigraphic record of past glacial and interglacial climates, modern day periglacial processes, and the record of pre-Pleistocene glaciations. The course includes a one-day field trip.**

Prerequisite: EESA06H3 and EESB20H3

Breadth Requirement: Natural Sciences

**Item 10: Course change – PHYD01H3***Rationale:*

We propose to simplify the Physics and Astrophysics calendar by merging PHYD11H3 and ASTD01H3 with PHYD01H3. Over the last few years, there has been little to no difference in terms of learning outcomes or methods of assessment between the courses PHYD11H3, ASTD01H3 and PHYD01H3. This has caused some confusion among students who are required to take one out of these three courses for their program requirement. In which course students end up enrolling is often random. In this proposal we change the course description slightly which lets us eliminate the two redundant courses and incorporate them with this course, “Research Project in Physics and Astrophysics”.

Having one course instead of three will further allow us to ensure that the assessment is done in a coherent way across all research projects. The grading scheme has been redesigned to include an intermediate written progress report, a final written report and an oral presentation.

The course exclusions have been updated to include changes in the downtown physics calendar.

*Calendar Copy Showing Changes:*

PHYD01H3 ~~Physics Research Project~~ **Research Project in Physics and Astrophysics**  
 Introduces students to current research in physics **or astrophysics** under the supervision of a professorial faculty member. Students undertake an independent project **that can be of** theoretical, **computational** or experimental **nature** ~~Physics~~. Evaluation is by the supervising faculty member in consultation with **the** course supervisor. Students must obtain consent of the course supervisor to enroll in this course.

Prerequisite: 14.0 credits, cumulative GPA of at least 2.5, and permission from the coordinator.

Exclusion: PHY478H, **PHY479Y1**

Breadth Requirement: Natural Sciences

**Item 11: Course change – PHYD72H3***Rationale:*

We propose to simplify the Physics and Astrophysics calendar by merging ASTD02H3 with PHYD72H3. Over the last few years, there has been little to no difference in terms of learning outcomes or methods of assessment between the courses PHYD72H3 and ASTD02H3. This has caused some confusion among students who are required to take one out of these three courses for their program requirement. In which course students end up enrolling is often random. In this proposal we change the course description slightly which lets us eliminate the redundant course and incorporate it with this course, “Supervised Reading in Physics and Astrophysics”.

Having one course instead of two will further allow us to ensure that the assessment is done in a coherent way across all research projects. The grading scheme has been redesigned to include an intermediate written progress report, a final written report and an oral presentation.

The course exclusions have been updated to include changes in the downtown physics calendar.

*Calendar Copy Showing Changes:*

PHYD72H3 Supervised Reading in Physics **and Astrophysics**

An individual study program chosen by the student 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 interdisciplinary fields not available in the regular syllabus.

Prerequisite: 14.0 credits, cumulative GPA of at least 2.5, and permission from the coordinator.

Exclusion: **PHY371H**, PHY372H, **PHY471H**, PHY472H

Breadth Requirement: Natural Sciences

## **Department of Political Science**

***Note regarding consultation:***

All changes have been approved by the Departmental Curriculum Committee, and reviewed by the Dean's Office. Where changes may have had an impact on outside academic units, appropriate consultation has taken place.

***Item 1: Program change – Major in Public Policy (BA); Major (Co-operative) in Public Policy (BA)***

*Overview of Changes:*

- POLC66H3 and POLC67H3 – POL designator updated to PPG as per course change proposals
- Add POLC11H3 as an optional course in requirement 5
- Add CITB04H3 as an optional course in requirement 6; delete POLC82H3 as an optional course in requirement 6; update POLD64H3 to PPGD64H3 as per course change proposal

*Rationale:*

POLC11H3 and CITC04H3 are added as options because they are suitable for completing the program requirements. POLC82H3 is being deleted and can be removed from the program.

*Calendar Copy Showing Changes:*

**MAJOR PROGRAM IN PUBLIC POLICY (ARTS)**

**Program Requirements**

Students must pay careful attention to the prerequisites for higher level courses.

**Course requirements:**

Students must complete 8.0 full credits as follows:

1. 1.0 credit at the A- or B-level in Anthropology, City Studies, Geography, International Development Studies, Political Science, or Sociology. At least 0.5 credits in A-level Political Science are recommended.

2. Economics for Public Policy (1.0 credit):

[MGEA01H3/(ECMA01H3) and MGEA05H3/(ECMA05H3)]

OR

[MGEA02H3/(ECMA04H3) and MGEA06H3/(ECMA06H3)]

3. Canadian Politics (1.0 credit)

POLB50Y3 Canadian Government and Politics

4. Fundamentals of Public Policy (1.0 credit)

~~POLC66H3~~ PPGC66H3 Public Policy Making

~~POLC67H3~~ PPGC67H3 Public Policy in Canada

5. Research Methods (1.0 credit with at least 0.5 credit in quantitative methods)

Quantitative Methods courses include:

ANTC35H3 Quantitative Methods in Anthropology

MGEB11H3/(ECMB11H3) Quantitative Methods in Economics I

GGRA30H3 Geographic Information Systems

POLC11H3 Applied Statistics for Politics and Public Policy

STAB22H3 Statistics I

Qualitative Methods courses include:

ANTB19H3 Ethnography and the Comparative Study of Human Societies

GGRC31H3 Qualitative Geographical Methods: Place and Ethnography

POLC78H3 Political Analysis I

6. Applications of Public Policy (3.0 credits from the following list\* of Public Policy courses, or other courses with the approval of the supervisor of studies. Of these, 1.0 credit must be from C- or D-level courses in Political Science.)

CITB04H3 City Politics

CITC04H3 Municipal Planning Law in Ontario

CITC07H3 Urban Social Policy

CITC12H3 City Structures and City Choices: Local Government, Management, and Policymaking

CITC15H3 Taxing and Spending: Public Finances in Canadian Cities

CITC16H3 Planning and Governing the Metropolis

CITC18H3 Urban Transportation Policy Analysis

MGEB31H3/(ECMB35H3) Public Decision Making

MGEB32H3/(ECMB36H3) Economic Aspects of Public Policy

MGEC31H3/(ECMC31H3) Economics of the Public Sector: Taxation

MGEC32H3/(ECMC32H3) Economics of the Public Sector: Expenditures

MGEC34H3/(ECMC34H3) Economics of Health Care

MGEC38H3/(ECMC38H3) The Economics of Canadian Public Policy

MGEC91H3/(ECMC91H3) Economics and Government

GGRC13H3 Urban Political Geography

HLTB40H3 Health Policy and Health Systems

HLTC43H3 Politics of Canadian Health Policy

IDSB01H3 Political Economy of International Development

IDSB04H3 International Health Policy Analysis  
 MGSC03H3/(MGTC42H3) Public Management  
 MGSC05H3/(MGTC45H3) The Changing World of Business – Government Relations  
 POLC36H3 Law and Public Policy  
 POLC53H3 Canadian Environmental Policy  
 POLC54H3 Intergovernmental Relations in Canada  
 POLC57H3 Intergovernmental Relations and Public Policy  
 POLC65H3 Political Strategy  
~~POLC82H3 The Formulation of American Foreign Policy~~  
 POLC83H3 The Application of American Foreign Policy  
 POLC93H3 Public Policies in the United States  
 POLD50H3 Political Interests, Political Identity, and Public Policy  
 POLD52H3 Immigration and Canadian Political Development  
~~POLD64H3~~ **PPGD64H3** Comparative Public Policy  
 POLD67H3 The Limits of Rationality  
 POLD89H3 Global Environmental Politics  
 POLD90H3 Public Policy and Human Development in the Global South  
 SOCB47H3 Social Inequality  
 SOCC37H3 Environment and Society  
 Many of these courses have prerequisites, please plan accordingly. In addition, we recommend taking methods courses from within your disciplinary major program.

#### MAJOR (CO-OPERATIVE) PROGRAM IN PUBLIC POLICY (ARTS)

*Co-op Contact:* askcoop@utsc.utoronto.ca

The Co-operative Program in Public Policy is a work-study program which combines academic studies in various disciplines with work terms in public enterprises, the private sector, and non-governmental organizations. Two work terms, each of four months duration, must be completed along with the academic program. An optional, third work term may be completed with the permission of the Co-op Coordinator.

The program equips students with the analytical and methodological skills to secure employment as policy analysts in government, business, and the non-governmental sectors, or to continue on to graduate training in public policy. The Program is cross-disciplinary; public policy analysis is the exercise of applying the theoretical frameworks and the positivist and interpretive methodologies of the social sciences and humanities to understand the development, implementation, and evaluation of public policy. It requires the ability to think clearly and critically, to design and execute research projects, to analyze both quantitative and qualitative data, and to write clearly. It also requires an understanding of the context, institutions, and processes of policy-making and implementation, as well as concepts and criteria for policy evaluation.

The Co-operative Program in Public Policy is designed to be completed in conjunction with a Major or Specialist Program in another discipline and may only be taken as part of a twenty course honours degree. For information on fees, work terms and standing in the Program, please see the Social Sciences and Humanities Co-operative section of this *Calendar*.



## Program Admission

*Prospective Applicants:* For direct admission from secondary school or for students who wish to transfer to U of T Scarborough from another U of T faculty or from another post-secondary institution, see the *Co-operative Programs* section in this *Calendar*.

*Current U of T Scarborough students:* Application procedures can be found at the Registrar's Office website at: [www.utsc.utoronto.ca/subjectpost](http://www.utsc.utoronto.ca/subjectpost). The minimum qualifications for entry are 4.0 credits plus a cumulative GPA of at least 2.5.

## Program Requirements

**In addition to the program requirements described in the Public Policy Major, students must complete two co-op work terms.**

## Work Placement

To be eligible for the first work term, students must have completed at least 10 credits, including 5.0 credits as a University of Toronto Scarborough student including POLB50Y3 (Canadian Government and Politics), and 0.5 credit of Research Methods. Prior to their first work term, students must also successfully complete Arts & Science Co-op Work Term Preparation Activities, which include multiple networking sessions, speaker panels and industry tours along with seminars covering resumes, cover letters, job interviews and work term expectations.

## ***Item 2: Program change – Minor in Public Law***

### *Overview of Changes:*

- Move POLC32H3 from optional courses in requirement 2 to required courses in requirement 1
- Move POLC38H3 from required courses in requirement 1 to optional courses in requirement 2

### *Rationale:*

POLC32H3 was originally intended to be a core course in the Public Law program, we are correcting an oversight in the initial proposal.

### *Calendar Copy Showing Changes:*

## **MINOR PROGRAM IN PUBLIC LAW (ARTS)**

The Minor in Public Law examines how the legal system, of which the constitutional order and judiciary are integral parts, governs the relationship both among constituent units of the state and between citizens and the state. It also examines the obligations that states have to one another via international law. Courses in the program address the normative foundations of principles of justice and human rights; the role of constitutions and courts in safeguarding the rule of law, protecting civil liberties, and curbing state power; the constraints to state sovereignty posed by international law and international courts; and the implications of the legal order for democratic

and legitimate policy-making.

**Program Requirements**

Students must complete 4.0 credits, of which at least 1.0 credit must be at the C- and/or D-level.

**1. Core Courses (2.5 credits):**

POLB30H3 Law, Justice and Rights

POLB50Y3 Canadian Government and Politics

**POLC32H3 The Canadian Judicial System**

~~POLC38H3 International Law~~

POLC68H3 The Constitution of Canada and the Charter of Rights and Freedoms

**2. Public Law Electives (1.0 credit):**

~~POLC32H3 The Canadian Judicial System~~

POLC36H3 Law and Public Policy

**POLC38H3 International Law**

POLC39H3 Comparative Legal Systems

POLD45H3 Constitutionalism

**3. Additional Elective (0.5 credit)**

An additional 0.5 credit from requirement 2 above or an appropriate course from another discipline, including at the UTSC, UTM and St. George campuses, as approved by the Public Law Program Advisor.

***Item 3: Course change – POLB30H3***

*Rationale:*

PHLB11H3 has not been taught recently but a previous version of the course used the same anthology that is used in POLB30H3. We would like to exclude this course until we are able to ensure that the two courses cover substantively different material.

*Calendar Copy Showing Changes:*

POLB30H3 Law, Justice and Rights

This is a lecture course that helps students understand the theoretical justifications for the rule of law. We will study different arguments about the source and limitations of law: natural law, legal positivism, normative jurisprudence and critical theories. The course will also examine some key court cases in order to explore the connection between theory and practice. This is the foundation course for the Minor program in Public Law.

Area of Focus: Political Theory

Prerequisite: Any 4.0 credits

Recommended Preparation: 0.5 credit in Political Science

**Exclusion: PHLB11H3 (students who have taken PHLB11H3 prior to POLB30H3 may count PHLB11H3 in place of POLB30H3 in the Minor in Public Law)**

Breadth Requirement: History, Philosophy & Cultural Studies

NOTE: Priority will be given to students enrolled in the Minor program in Public Law.

Additional students will be admitted as space permits.

**Item 4: Course change -***Rationale:*

We believe that this change will improve learning outcomes in several ways. POLB70 currently requires students to read extremely difficult material before they have received a general introduction to the field. The history of political thought is neither taught in high school nor at the A level. Second year students are overwhelmed when they are asked to read Aristotle or Hobbes. Third year students will be better able to understand the texts, to write about them, and to create links to contemporary political issues and debates. With this change, we are trying to introduce scaffolding into our curriculum. We plan to offer a one semester B level class that will introduce the students to some of the key concepts and methods of political theory. These new C level classes will be included among a range of options that can be selected to fulfill the second part of the theory requirement. This new structure will enable students to have a broader understanding of important concepts and an in-depth knowledge of specific works or ideas.

The method of assessment will be the same (interpretive essays and exams) but the essay may be a bit longer to reflect the greater abilities of third year students.

*Calendar Copy Showing Changes:***POLCB70H3 Classic Texts in Political Theory I**

This course introduces students to central concepts in political theory, such as justice, rights, and the state. Readings will include classical and medieval texts, such as Plato's *Republic* and Aristotle's *Politics*.

Area of Focus: Political Theory

Prerequisite: Any 4.0 credits, **POLB72H3 or PHLB17H3**

Exclusion: POL200Y, **(POLB70H3)**

Breadth Requirement: History, Philosophy & Cultural Studies

**Item 5: Course change – POLB71H3***Rationale:*

We believe that this change will improve learning outcomes in several ways. POL B 71 currently requires students to read extremely difficult material before they have received a general introduction to the field. The history of political thought is not taught in high school nor at the A level. Second year students are overwhelmed when they are asked to read Aristotle or Hobbes. Third year students will be better able to understand the texts, to write about them, and to create links to contemporary political issues and debates. With this change, we are trying to introduce scaffolding into our curriculum. We plan to offer a one semester B level class that will introduce the students to some of the key concepts and methods of political theory. These C level classes will be included among a range of options that can be selected to fulfill the second part of the theory requirement. The new structure will enable students to have a broader understanding of important concepts and an in-depth knowledge of specific works or ideas.

*Calendar Copy Showing Changes:*

~~POLCB71H3~~ Classic Texts in Political Theory II

This course introduces students to central concepts in political theory, such as sovereignty, liberty, and equality. Readings will include modern and contemporary texts, such as Hobbes' *Leviathan* and Locke's *Second Treatise of Government*.

Area of Focus: Political Theory

Prerequisite: ~~POLB72H3 or PHLB17H3 POLB70H3~~ ~~Note: It is strongly recommended that students take [POLB70H3](#) and [POLB71H3](#) in consecutive sessions.~~

Exclusion: POL200Y, (POLB71H3)

Breadth Requirement: History, Philosophy & Cultural Studies

**Item 6: Course change – POLB93H3**

*Rationale:*

POLB93H3 is shifting to the C-level to reduce the number of B-level requirements as recommended through the External Review process. POLC22H3 will increase the number of C-level Comparative Politics course options for students in the Specialist and Major programs in Political Science.

*Calendar Copy Showing Changes:*

~~POLC22B93H3~~ ~~Comparative Politics~~: Ethnic Conflict and Democratization in Europe After the Cold War

This course explores post-Cold War politics in Europe through an examination of democratization and ethnic conflict since 1989 - focusing in particular on the role of the European Union in shaping events in Eastern Europe and the former Soviet Union. The first part of the course will cover theories of democratization, ethnic conflict as well as the rise of the European Union while the second part of the course focuses on specific cases, including democratization and conflict in the Balkans and Ukraine.

Area of Focus: Comparative Politics

Prerequisite: ~~POLB92H3~~ Any 8.0 credits

Exclusion: (POLB93H3)

~~Note: It is strongly recommended that students take [POLB92H3](#) and [POLB93H3](#) in consecutive sessions. Breadth Requirement: Social & Behavioural Sciences~~

**Item 7: Course change – POLC36H3**

*Rationale:*

The Recommended Preparation changes from POLC67H3 to POLC66H3 because POLC66H3 is a fall term course and POLC36H3 is a winter term course. In addition, POLC66H3 is changing its course code prefix to PPGC66H3 to designate it as a Public Policy course.

*Calendar Copy Showing Changes:*

POLC36H3 Law and Public Policy

This course examines how different types of legal frameworks affect processes and outcomes of

policy-making. It contrasts policy-making in Westminster parliamentary systems and separation of powers systems; unitary versus multi-level or federal systems; and systems with and without constitutional bills of rights.

Area of Focus: Public Policy

Prerequisite: POLB50Y3

Recommended Preparation: ~~POLC67H3~~ (POLC66H3) or PPGC66H3

Breadth Requirement: Social & Behavioural Sciences

***Item 8: Course change – POLC37H3***

*Rationale:*

The Department is revising the curricular requirements in political theory. The Department proposes to convert the existing POLB70H3 and POLB71H3 courses into upper level elective courses in the history of political thought, POLC70H3 and POLC71H3. The required political theory course will be replaced by a new course POLB72H3 Introduction to Political Theory, which will be the new prerequisite for C and D level courses in Political Theory. Although cancelled, POLB70H3 and POLB71H3 will remain as prerequisite options to accommodate current program students.

*Calendar Copy Showing Changes:*

POLC37H3 Global Justice

This course examines theoretical debates about the extent of moral and political obligations to non-citizens. Topics include human rights, immigration, global poverty, development, terrorism, and just war.

Area of Focus: Political Theory

Prerequisite: [([POLB70H3](#)) and ([POLB71H3](#))] or [POLB72H3](#) or [1.0 credit at the B-level in IDS courses]

Exclusion: ([PHLB08H3](#))

Breadth Requirement: History, Philosophy & Cultural Studies

***Item 9: Course change – POLC58H3***

*Rationale:*

POLB93H3 has been moved to the C-level, and is no longer appropriate as Recommended Preparation for POLC58H3.

*Calendar Copy Showing Changes:*

POLC58H3 The Politics of National Identity and Diversity

This course explores the foundational concepts of nation and nationalism in Canadian and comparative politics, and the related issues associated with diversity. The first section looks at the theories related to nationalism and national identity, while the second applies these to better understand such pressing issues as minorities, multiculturalism, conflict and globalization.

Areas of Focus: Canadian Government and Politics; Comparative Politics

Prerequisite: POLB92H3 or POLB50Y3

~~Recommended Preparation: POLB93H3~~

Breadth Requirement: Social & Behavioural Sciences

***Item 10: Course change – POLC66H3***

*Rationale:*

To support the shifting of the Public Policy program to a free-standing Calendar entry, three courses will be granted new Public policy course code prefix's of PPG (POLC66H3, POLC67H3, POLD64H3).

*Calendar Copy Showing Changes:*

**PPG**~~POLC66H3~~ Public Policy Making

This course provides a study of current theories of public policy-making and the processes that are involved in making public policies. Policy processes of agenda setting, choosing governing instruments, making public decisions, and implementing and evaluating governmental programs are examined using specific cases of public policy-making in Canada.

Areas of Focus: Canadian Government and Politics; Public Policy

Prerequisite: [POLB50Y3 or equivalent] or [1.5 credits at the B-level in CIT courses]

**Exclusion: (POLC66H3)**

Breadth Requirement: Social & Behavioural Sciences

***Item 11: Course change – POLC67H3***

*Rationale:*

To support the shifting of the Public Policy program to a free-standing Calendar entry, three courses will be granted new Public policy course code prefix's of PPG (POLC66H3, POLC67H3, POLD64H3).

*Calendar Copy Showing Changes:*

**PPG**~~POLC67H3~~ Public Policy in Canada

This course is a survey of contemporary patterns of public policy in Canada. Selected policy studies including managing the economy from post-war stabilization policies to the rise of global capitalism, developments in the Canadian welfare state and approaches to external relations and national security in the new international order.

Areas of Focus: Canadian Government and Politics; Public Policy

Prerequisite: [POLB50Y3 or equivalent] or 1.5 credits at the B-level in CIT courses]

**Exclusion: (POLC67H3)**

Breadth Requirement: Social & Behavioural Sciences

***Item 12: Course change – POLC73H3***

*Rationale:*

The Department is revising the curricular requirements in political theory. The Department proposes to convert the existing POLB70H3 and POLB71H3 courses into upper level elective courses in the history of political thought, POLC70H3 and POLC71H3. The required political theory course will be replaced by a new course POLB72H3 Introduction to Political Theory,

which will be the new prerequisite for C and D level courses in Political Theory. Although cancelled, POLB70H3 and POLB71H3 will remain as prerequisite options to accommodate current program students.

*Calendar Copy Showing Changes:*

**POLC73H3 Modern Political Theory-I**

This course is a study of the major political philosophers of the nineteenth century, including Hegel, Marx, J.S. Mill and Nietzsche.

Area of Focus: Political Theory

Prerequisite: [([POLB70H3](#)) and ([POLB71H3](#))] or [POLB72H3](#)

Exclusion: POL320Y

Breadth Requirement: History, Philosophy & Cultural Studies

***Item 13: Course change – POLC74H3***

*Rationale:*

The Department is revising the curricular requirements in political theory. The Department proposes to convert the existing POLB70H3 and POLB71H3 courses into upper level elective courses in the history of political thought, POLC70H3 and POLC71H3. The required political theory course will be replaced by a new course POLB72H3 Introduction to Political Theory, which will be the new prerequisite for C and D level courses in Political Theory. Although cancelled, POLB70H3 and POLB71H3 will remain as prerequisite options to accommodate current program students.

*Calendar Copy Showing Changes:*

**POLC74H3 Contemporary Political Thought**

This course is a study of the major political philosophers of the twentieth century. The theorists covered will vary from year to year.

Area of Focus: Political Theory

Prerequisite: [([POLB70H3](#)) and ([POLB71H3](#))] or [POLB72H3](#)

Exclusion: POL320Y

Breadth Requirement: History, Philosophy & Cultural Studies

***Item 14: Course change – POLC83H3***

*Rationale:*

Since the originator of this course retired, this course has been taught with a focus on American foreign policy towards a particular region, not several regions. By giving the course description more flexibility, the department will be able to readily offer courses that focus on current “hotspots” or one source of conflict. Methods of assessment are unaffected, but the topics covered by this class can become more broad or more specific.

By eliminating the prerequisites for this course, this course will better reflect the directives given to the department to provide students with greater flexibility to take more specialized, upper level courses. We think that a course offered on a hot topic will also attract non-Political Science



students hoping to gain insight beyond the headlines into American Foreign Policy. The current prerequisites include one class that has rarely been offered, forcing students interested in American politics to take the B-level courses in international relations (POLB80/81) in order to enroll.

The exclusion of POL326Y (offered at St. George and/or UTM) is to enable students who have taken POL326Y to take this course when it is more focused on a particular “hotspot” than the general year-long course on American Foreign Policy will likely cover. This exclusion was more appropriate with POLC83 was part of a regularly-offered two course sequence with POLC82 that roughly replicated POL326Y downtown. This proposal reflects the course’s ability to “stand-alone,” potentially drawing students with little background into American foreign policy and those who have already taken foundation courses on the topic.

*Calendar Copy Showing Changes:*

POLC83H3 ~~The Applications~~ of American Foreign Policy

This course examines the foreign policy of the United States by analyzing its context and application to a ~~number of~~ specific ~~region~~, regions ~~and or contemporary~~ problems in the world.

Areas of Focus: International Relations; Public Policy; ~~Comparative Politics~~

Prerequisite: ~~One full credit from: POLB80H3, POLB81H3, POLC92H3, POLC93H3~~ ~~Any 4.0 credits~~

~~Exclusion: POL326Y~~

Breadth Requirement: Social & Behavioural Sciences

### ***Item 15: Course change – POLD02Y3***

*Rationale:*

Although POLD02Y3 has never been offered, the December 2013 departmental external review suggested “*Recommendation 5: The Department should consider experimenting with a thesis option for its strongest students at the D level.*” This particular suggestion was echoed in the February 13 administrative response from the Dean’s Office “The Department also is examining initiatives that will expand research opportunities for high-achieving undergraduate students. These initiatives include support for students to undertake research projects over the summer, as well as a senior year-long research seminar with a major research paper or thesis component.” Under the new course title and description, this proposal will allow high achieving students to undertake a sustained research project in Political Science.

*Calendar Copy Showing Changes:*

POLD02Y3 ~~Senior~~ Research Seminar in ~~International Relations~~ ~~Political Science~~

This course provides an opportunity to carry out individual research on a ~~n~~ ~~Political Science~~ ~~international relations~~ topic. After class readings on the topic under study, research methods and design, and research ethics, students will propose and carry out their ~~own~~ research ~~project~~. The seminar provides opportunities to present and discuss their unfolding research, ~~as well as to~~ ~~present the findings of their research~~.

~~Area of Focus: International Relations~~

~~Prerequisite: POLB80H3 and POLB81H3 and [1.5 credits at the C level in POL courses]~~



Restricted to students in the 4th year of the Specialist in Political Science program; a minimum 3.3 CGPA in Political Science courses; and permission of the instructor

Enrolment Limits: ~~15~~ 10

**Item 16: Course change – POLD45H3**

*Rationale:*

The Department is revising the curricular requirements in political theory. POLB70H3 and POLB71H3 are being changed to C-level courses - POLC70H3 and POLC71H3. The required political theory course will be replaced by a new course POLB72H3 Introduction to Political Theory, which will be the new prerequisite for C and D level courses in Political Theory. Although cancelled, POLB70H3 and POLB71H3 will remain as prerequisite options to accommodate current program students.

*Calendar Copy Showing Changes:*

POLD45H3 Constitutionalism

This course studies the theory of constitutionalism through a detailed study of its major idioms such as the rule of law, the separation of powers, sovereignty, rights, and limited government.

Area of Focus: Political Theory

Prerequisite: [([POLB70H3](#)) and ([POLB71H3](#))] or [POLB72H3](#) or [POLB30H3](#)] and [1.5 credits at the C-level in POL courses]

Enrolment Limits: 25

Breadth Requirement: History, Philosophy & Cultural Studies

**Item 17: Course change – POLD50H3**

*Rationale:*

POLC66H3 and POLC67H3 are being changed to PPG course codes; the revised prerequisite will allow both Political Science and Public Policy students to enter the course.

*Calendar Copy Showing Changes:*

POLD50H3 Political Interests, Political Identity, and Public Policy

This course examines the interrelationship between organized interests, social movements and the state in the formulation and implementation of public policy in Canada and selected other countries.

Areas of Focus: Canadian Government and Politics; Public Policy

Prerequisite: [POLB50Y3 or equivalent] and [1.5 credits at the C-level in POL or PPG courses]

~~Recommended Preparation: POLC66H3 and POLC67H3~~

Enrolment Limits: 25

Breadth Requirement: Social & Behavioural Sciences

**Item 18: Course change – POLD52H3**

*Rationale:*

POLC66H3 and POLC67H3 are being changed to PPG course codes; the revised prerequisite will allow both Political Science and Public Policy students to enter the course.

*Calendar Copy Showing Changes:*

**POLD52H3 Immigration and Canadian Political Development**  
 Immigration has played a central role in Canada's development. This course explores how policies aimed at regulating migration have both reflected and helped construct conceptions of Canadian national identity. We will pay particular attention to the politics of immigration policy-making, focusing on the role of the state and social actors.  
 Areas of Focus: Canadian Government and Politics; Public Policy  
 Prerequisite: [POLB50Y3 or equivalent] and [1.5 credits at the C-level in POL or PPG courses]  
~~Recommended Preparation: POLC66H3 and POLC67H3~~  
 Enrolment Limits: 25  
 Breadth Requirement: Social & Behavioural Sciences

**Item 19: Course change – POLD64H3**

*Rationale:*

To support the shifting of the Public Policy program to its own section of the Calendar, three courses will be granted new Public policy course code prefix's of PPG (POLC66H3, POLC67H3, POLD64H3). POLB93H3 is becoming a C-level course – POLC22H3.

*Calendar Copy Showing Changes:*

**PPGPOLD64H3 Comparative Public Policy**  
 This seminar course explores some of the major approaches to the comparative analysis of public policies of industrialized countries. The course uses a combination of case studies and theoretical literature to examine selected social and economic public policies and policy making in Europe, Canada, and the United States.  
 Areas of Focus: Comparative Politics; Public Policy  
 Prerequisite: [[POLB50Y3 or equivalent] or ~~[POLB90H3 and POLB91H3]~~ or [POLB92H3 and (POLB93H3)]] and [1.5 credits at the C-level in POL courses]  
 Recommended Preparation: ~~POL~~PPGC66H3 and ~~POL~~PPGC67H3  
**Exclusion: (POLD64H3)**  
 Enrolment Limits: 25  
 Breadth Requirement: Social & Behavioural Sciences

**Item 20: Course change – POLD67H3**

*Rationale:*

POLC66H3 is being changed to PPGC66H3 as its focus is public policy; the prerequisite is being updated to include PPG courses to allow both Political Science and Public Policy students to enter the course. POLB70H3 and POLB71H3 are shifting to the C-level, but these courses will remain prerequisites for existing students while POLB72H3 will be the Political Theory prerequisite for new students.

*Calendar Copy Showing Changes:***POLD67H3 The Limits of Rationality**

This course critically examines the relationship between politics, rationality, and public policy-making. The first half of the course surveys dominant rational actor models, critiques of these approaches, and alternative perspectives. The second half of the course explores pathological policy outcomes, arrived at through otherwise rational procedures.

Areas of Focus: Comparative Politics; Political Theory; Public Policy

Prerequisite: [(POLB70H3) and (POLB71H3) or POLB72H3] or [POLB90H3 and POLB91H3] or [PPGC66H3 POLB92H3 and POLB93H3] and 1.5 1.0 credits at the C-level in POL or PPG courses

~~Recommended Preparation: POLC66H3 and POLC67H3~~

Enrolment Limits: 25

Breadth Requirement: Social & Behavioural Sciences

***Item 21: Course change – POLD70H3****Rationale:*

The Department is revising the curricular requirements in political theory. The Department proposes to convert the existing POLB70H3 and POLB71H3 courses into upper level elective courses in the history of political thought, POLC70H3 and POLC71H3. The required political theory course will be replaced by a new course POLB72H3 Introduction to Political Theory, which will be the new prerequisite for C and D level courses in Political Theory. Although cancelled, POLB70H3 and POLB71H3 will remain as prerequisite options to accommodate current program students.

*Calendar Copy Showing Changes:***POLD70H3 Topics in Political Theory**

This seminar explores the ways in which political theory can deepen our understanding of contemporary political issues. Topics may include the following: cities and citizenship; multiculturalism and religious pluralism; the legacies of colonialism; global justice; democratic theory; the nature of power.

Area of Focus: Political Theory

Prerequisite: [(POLB70H3 or (POLB71H3) or POLB72H3] and [1.5 credits at the C-level in POL courses]

Enrolment Limits: 25

## **Department of Psychology**

***Note regarding consultation:***

All changes have been approved by the Departmental Curriculum Committee, and reviewed by the Dean's Office. Where changes may have had an impact on outside academic units, appropriate consultation has taken place.

***Item 1: Program change – Specialist in Neuroscience (BSc); Specialist (Co-operative) in Neuroscience (BSc)***

*Overview of Changes:*

Add a new course - NROD08H3 Theoretical Neuroscience – as an option to requirement 4 of the program.

*Rationale:*

NROD08H3 is a new double-numbered course with BIOD08H3 designed to fill an academic gap in neuroscience and biology. It is an appropriate option in the Specialist in Neuroscience, as it provides a suitable capstone experience for students.

*Calendar Copy Showing Changes:*

SPECIALIST PROGRAM IN NEUROSCIENCE (SCIENCE)  
SPECIALIST (CO-OPERATIVE) PROGRAM IN NEUROSCIENCE (SCIENCE)

*Associate Chair & Program Supervisor:* Matthias Niemeier *Email:* neuroscience-program-supervisor@utsc.utoronto.ca

*Course Support & Program Advisor:* Hanan Domloge *Email:* hdomloge@utsc.utoronto.ca

**Program Requirements**

This program requires completion of 14.0 credits:

1. The following 4.0 credits:
  - BIOA01H3 Life on Earth: Unifying Principles
  - BIOA02H3 Life on Earth: Form, Function and Interactions
  - CHMA10H3 Introductory Chemistry I: Structure and Bonding
  - CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms
  - [MATA30H3 Calculus I for Biological and Physical Sciences *or* (MATA20H3) Calculus A]
  - [PHYA10H3 Physics IA *or* PHYA11H3 Physics IB]
  - PSYA01H3 Introductory Psychology: Part I
  - PSYA02H3 Introductory Psychology: Part II
2. The following 3.5 credits:
  - BIOB10H3 Cell Biology
  - BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
  - CHMB41H3 Organic Chemistry I
  - CHMB42H3 Organic Chemistry II
  - NROB60H3 Neuroanatomy Laboratory
  - PSYB65H3 Human Brain & Behaviour
  - [STAB22H3 Statistics I *or* PSYB07H3 Data Analysis in Psychology]
3. The following 5.5 credits:
  - BIOC12H3 Biochemistry I: Proteins & Enzymes
  - BIOC13H3 Biochemistry II: Bioenergetics & Metabolism
  - BIOC32H3 Human Physiology I
  - BIOC33H3 Human Physiology II: Lecture & Laboratory

- NROC34H3 Neuroethology (Invertebrate Neurobiology)
- NROC61H3 Learning & Motivation
- NROC63H3 Neuroscience Laboratory
- NROC64H3 Sensory & Motor Systems
- NROC69H3 Synaptic Organization & Physiology of the Brain
- PSYC08H3 Advanced Data Analysis in Psychology
- PSYC62H3 Drugs & the Brain
- 4. 1.0 credit from the following:
  - BIOC14H3 Genes, Environment and Behaviour
  - BIOD19H3 Epigenetics in Health and Disease
  - BIOD27H3 Molecular Endocrinology
  - BIOD45H3 Animal Communication
  - BIOD65H3 Pathologies of the Nervous System
  - NROD08H3 Theoretical Neuroscience**
  - NROD60H3 Current Topics in Neuroscience
  - NROD63H3 Advanced Neuroscience Laboratory
  - NROD66H3 Drug Addiction
  - NROD67H3 Psychobiology of Aging
  - PSYD17H3 Social Neuroscience
  - PSYD33H3 Current Topics in Abnormal Psychology
  - PSYD66H3 Current Topics in Human Brain & Behaviour
- Note: 0.5 credit of NROD98Y3, Thesis in Neuroscience, may also be counted towards Requirement 4

**Item 2: Program change – Major in Neuroscience (BSc)**

*Overview of Changes:*

Add a new course - NROD08H3 Theoretical Neuroscience – as an option to requirement 4 of the program.

*Rationale:*

NROD08H3 is a new double-numbered course with BIOD08H3 designed to fill an academic gap in neuroscience and biology. It is an appropriate option in the Specialist in Neuroscience, as it provides a suitable capstone experience for students.

*Calendar Copy Showing Changes:*

**MAJOR PROGRAM IN NEUROSCIENCE (SCIENCE)**

*Associate Chair & Program Supervisor:* Matthias Niemeier *Email:* neuroscience-program-supervisor@utsc.utoronto.ca

*Course Support & Program Advisor:* Hanan Domloge *Email:* hdomloge@utsc.utoronto.ca

**Program Requirements**

The Program requires completion of 8.0 credits. Students who wish to combine the Major Program in Neuroscience with the Major in Biology or the Major in Mental Health Studies or the Major in Psychology are advised that they must present 12.0 distinct credits to receive

certification of the completion of both programs. Consultation with the respective Program Supervisors in the selection of credits is recommended.

The following indicates the required credits for the Major Program in Neuroscience:

1. The following 3.0 credits:
  - BIOA01H3 Life on Earth: Unifying Principles
  - BIOA02H3 Life on Earth: Form, Function and Interactions
  - CHMA10H3 Introductory Chemistry I: Structure and Bonding
  - CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms
  - PSYA01H3 Introductory Psychology: Part I
  - PSYA02H3 Introductory Psychology: Part II
2. The following 2.5 credits:
  - BIOB10H3 Cell Biology
  - BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
  - NROB60H3 Neuroanatomy Laboratory
  - PSYB65H3 Human Brain and Behaviour
  - [STAB22H3 Statistics I or PSYB07H3 Data Analysis in Psychology]
3. The following 1.5 credits:
  - BIOC32H3 Human Physiology I
  - NROC61H3 Learning and Motivation
  - NROC64H3 Sensory and Motor Systems
4. 1.0 credit from the following:
  - BIOC14H3 Genes, Environment and Behaviour
  - BIOD19H3 Epigenetics in Health and Disease
  - BIOC33H3 Human Physiology II: Lecture & Laboratory
  - BIOD27H3 Molecular Endocrinology
  - BIOD45H3 Animal Communication
  - BIOD65H3 Pathologies of the Nervous System
  - NROC34H3 Neuroethology
  - NROC63H3 Neuroscience Laboratory
  - NROC69H3 Synaptic Organization & Physiology of the Brain
  - NROC90H3 Supervised Study in Neuroscience
  - NROD08H3 Theoretical Neuroscience**
  - NROD60H3 Current Topics in Neuroscience
  - NROD63H3 Advanced Neuroscience Laboratory
  - NROD66H3 Drug Addiction
  - NROD67H3 Psychobiology of Aging
  - PSYC62H3 Drugs and the Brain
  - PSYD17H3 Social Neuroscience
  - PSYD33H3 Current Topics in Abnormal Psychology
  - PSYD66H3 Current Topics in Human Brain & Behaviour

***Item 3: Program change – Minor in Psychology***

*Overview of Changes:*

Update Requirement 4 of the program such that the total 1.0 credit required comes from B-level courses only.

*Rationale:*

Clearer program expectations from the onset allows students to better plan their courses (and complete their program requirements with more ease). Manageable course enrollments also ensure that Specialists and Majors are able to complete their program requirements without difficulty.

*Calendar Copy Showing Changes:*

MINOR PROGRAM IN PSYCHOLOGY (SCIENCE)

*Associate Chair and Program Supervisor:* Matthias Niemeier *Email:* psychology-program-supervisor@utsc.utoronto.ca

*Course Support & Program Advisor:* Hanan Domloge *Email:* hdomloge@utsc.utoronto.ca

Program Requirements

The Program requires completion of 4.0 credits as follows of which 1.0 credits must be at the C-level:

1. PSYA01H3 Introductory Psychology: Part I  
*and*  
PSYA02H3 Introductory Psychology: Part II  
(1.0 credit)
2. PSYB01H3 Psychological Research Laboratory  
(0.5 credit)
3. STAB22H3 Statistics I (recommended)  
*or*  
PSYB07H3 Data Analysis in Psychology  
(0.5 credit)
4. Students are required to select 0.5 credit at the B-level ~~or C-level~~ from each of the two content groups listed below (1.0 credit):
  1. Social, Developmental and Personality (courses listed in the 10-, 20- or 30-series);
  2. Learning, Perception, Cognition and Physiology (courses listed in the 40-, 50- or 60-series);
5. 1.0 additional credit in Psychology at the C-level.

NOTE: students in the Minor in Psychology can register in no more than 1.0 full credit equivalent in psychology at the C-level.

**Item 4: Course change – PSYD51H3**

*Rationale:*

The purpose of the added prerequisite is to ensure that students are sufficiently prepared for an advanced course in perception. The current course prerequisite alone does not provide enough background for students to succeed in the course.

There are no redundancies.

*Calendar Copy Showing Changes:*

**PSYD51H3 Current Topics in Perception**

The course provides an intensive examination of selected topics in recent research on perception. Topics may include research in vision, action, touch, hearing and multisensory integration.

Selected readings will cover psychological and neuropsychological findings, neurophysiological results, synaesthesia and an introduction to the Bayesian mechanisms of multisensory integration.

Prerequisite: PSYB51H3 and **[[0.5 credit from the PSYC50-series of courses] or NROC64H3]**

Enrolment Limits: 24

Breadth Requirement: Natural Sciences

## **Department of Sociology**

***Note regarding consultation:***

All changes have been approved by the Departmental Curriculum Committee, and reviewed by the Dean’s Office. Where changes may have had an impact on outside academic units, appropriate consultation has taken place.

**Item 1: Course change – SOC C-levels**

*Rationale:*

Establishes consistency across C-level courses. Offers more flexibility for program students by allowing them to take C-level courses in second semester of second year.

*Calendar Copy Showing Changes:*

**SOCC04H3 Social Movements**

The development of an approach to social movements which includes the following: the origin of social movements, mobilization processes, the career of the movement and its routinization. The course readings will be closely related to the lectures, and a major concern will be to link the theoretical discussion with the concrete readings of movements.

Prerequisite: ~~[SOCA01H3 and SOCA02H3]~~ and **[[SOCB05H3 or [(SOCB40H3) and (SOCB41H3)] or STAB22H3]** and ~~[+0~~ **0.5 credit from the following: (SOCB27H3), SOCB30H3, SOCB42H3, SOCB43H3, SOCB47H3, (SOCC39H3)]**

Recommended Preparation: SOCB22H3 or SOCB49H3



Enrolment Limits: 60  
 Breadth Requirement: Social & Behavioural Sciences

**SOCC09H3 Sociology of Gender and Work**  
 Explores the interaction of gender and work, both paid and unpaid work. Critically assesses some cases for central theoretical debates and recent research. Considers gender differences in occupational and income attainment, housework, the relation of work and family, gender and class solidarity, and the construction of gender identity through occupational roles.  
 Prerequisite: ~~{SOCA01H3 and SOCA02H3}~~ and ~~[[SOCB05H3 or [(SOCB40H3) and (SOCB41H3)] or STAB22H3]~~ and ~~[1.0 0.5 credit from the following: (SOCB27H3), SOCB30H3, SOCB42H3, SOCB43H3, SOCB47H3, (SOCC39H3)]~~  
 Exclusion: SOC366H  
 Recommended Preparation: SOCB22H3 or SOCB49H3  
 Enrolment Limits: 60  
 Breadth Requirement: Social & Behavioural Sciences

**SOCC15H3 Work, Employment and Society**  
 An upper level course that examines a number of critical issues and important themes in the sociological study of work. Topics covered will include: the changing nature and organization of work, precarious employment, different forms of worker organizing and mobilization, the professions, the transition from school to work.  
 Prerequisite: ~~SOCA01H3 and SOCA02H3 and~~ ~~[[SOCB05H3 or [(SOCB40H3) and (SOCB41H3)] or STAB22H3]~~ and ~~[two 0.5 credit from of the following: SOCB30H3, {SOCB42H3, SOCB43H3, (SOCB27H3), SOCB47H3}, (SOCC39H3)]~~  
 Recommended Preparation: SOCB54H3  
 Enrolment Limits: 60  
 Breadth Requirement: Social & Behavioural Sciences  
 NOTE: Priority will be given to students enrolled in Sociology programs.

**SOCC25H3 Ethnicity, Race and Migration**  
 A theoretical and empirical examination of ethnic identity formation, race and racism, and their relationship to international migration.  
 Prerequisite: ~~{SOCA01H3 and SOCA02H3}~~ and ~~[[SOCB05H3 or [(SOCB40H3) and (SOCB41H3)] or STAB22H3]~~ and ~~[1.0 0.5 credit from the following: (SOCB27H3), SOCB30H3, SOCB42H3, SOCB43H3, SOCB47H3, (SOCC39H3)]~~  
 Recommended Preparation: SOCB22H3 or SOCB49H3  
 Enrolment Limits: 60  
 Breadth Requirement: Social & Behavioural Sciences

**SOCC26H3 Sociology of Urban Cultural Policies**  
 A popular civic strategy in transforming post-industrial cities has been the deployment of culture and the arts as tools for urban regeneration. In this course, we analyze culture-led development both as political economy and as policy discourse. Topics include the creative city; spectacular consumption spaces; the re-use of historic buildings; cultural clustering and gentrification; eventful cities; and urban 'scenes'.  
 Prerequisite: ~~{SOCA01H3 and SOCA02H3}~~ and ~~[[SOCB05H3 or [(SOCB40H3) and (SOCB41H3)] or STAB22H3]~~ and ~~[1.0 0.5 credit from the following: (SOCB27H3),~~

SOCB30H3, SOCB42H3, SOCB43H3, SOCB47H3, (SOCC39H3)]

Exclusion: SOC386Y

Recommended Preparation: SOCB44H3

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

SOCC27H3 Sociology of Suburbs and Suburbanization

This course examines the political economy of suburban development, the myth and reality of suburbanism as a way of life, the working class suburb, the increasing diversity of suburban communities, suburbia and social exclusion, and the growth of contemporary suburban forms such as gated communities and lifestyle shopping malls.

Prerequisite: ~~SOCA01H3 and SOCA02H3~~ and ~~[[SOCB05H3 or [(SOCB40H3) and (SOCB41H3)] or STAB22H3]~~ and ~~[1-0~~ 0.5 credit from the following: (SOCC27H3), SOCB30H3, SOCB42H3, SOCB43H3, SOCB47H3, (SOCC39H3)]

Recommended Preparation: SOCB22H3 or SOCB49H3

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

SOCC29H3 Special Topics in Sociology of Family

Sociological analyses of diverse family patterns across historical time and geographic space are offered under this course. Topics covered may include family structure, socialization, marriage, divorce, the gender division of labor, inheritance, and alternative family forms. Special attention is given to sociological theories accounting for dynamics within and across families. Please see the Sociology Department website for a listing of the course topic for current and upcoming semesters.

Prerequisite: ~~SOCA01H3 and SOCA02H3~~ and ~~[[SOCB05H3 or [(SOCB40H3) and (SOCB41H3)] or STAB22H3]~~ and ~~[0.5 credit from the following: SOCB30H3, SOCB42H3, and SOCB43H3, SOCB47H3, (SOCC39H3)]~~

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

SOCC37H3 Environment and Society

This course links studies in the classical sociology of resources and territory (as in the works of Harold Innis, S.D. Clark, and the Chicago School), with modern topics in ecology and environmentalism. The course will include empirical research, and theoretical issues, in the relationship of various social systems to their natural environments.

Prerequisite: ~~SOCA01H3 and SOCA02H3~~ and ~~[[SOCB05H3 or [(SOCB40H3) and (SOCB41H3)] or STAB22H3]~~ and ~~[0.5 credit from the following: SOCB30H3, SOCB42H3, and SOCB43H3, SOCB47H3, (SOCC39H3)]~~

Exclusion: SOC385H

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

SOCC38H3 Gender and Education

An examination of a number of key issues in the sociology of education, focusing particularly upon gender and higher education.

Prerequisite: ~~SOCA01H3 and SOCA02H3~~ and ~~[[SOCB05H3 or [(SOCB40H3) and~~

(SOCB41H3)] or STAB22H3] and [0.5 credit from the following: SOCB30H3, SOCB42H3, and SOCB43H3, SOCB47H3, (SOCC39H3)]

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

#### SOCC44H3 Media and Society

Provides an introduction to the emergence, organization and regulation of various media forms; social determinants and effects of media content; responses of media audiences; and other contemporary media issues.

Prerequisite: ~~SOCA01H3 and SOCA02H3~~ and [(SOCB05H3 or [(SOCB40H3) and (SOCB41H3)] or STAB22H3] and [0.5 credit from the following: SOCB30H3, SOCB42H3, and SOCB43H3, SOCB47H3, (SOCC39H3)]

Exclusion: (SOCB56H3), (SOCB57H3)

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

#### SOCC45H3 Youth and Society

This course examines youth as a social category, a critical stage in the life course. Topics to be covered include: Youth and music, health, work and politics.

Prerequisite: ~~{SOCA01H3 and SOCA02H3}~~ and [(SOCB05H3 or [(SOCB40H3) and (SOCB41H3)] or STAB22H3] and two of [0.5 credit from the following: ~~(SOCB27H3),~~ SOCB30H3, SOCB42H3, SOCB43H3, SOCB47H3, SOCC39H3]

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

NOTE: Priority will be given to students enrolled in the Sociology programs.

#### SOCC52H3 International Migration and Immigrant Incorporation

The course provides an overview of competing theories and concepts in the field of international migration and immigrant incorporation. Discussion puts the Canadian case in comparative perspective. Topics include global migration flows, refugeeship, citizenship and non-citizenship, economic incorporation, children of immigrants, and social exclusion.

Prerequisite: ~~SOCA01H3 and SOCA02H3~~ and [(SOCB05H3 or [(SOCB40H3) and (SOCB41H3)] or STAB22H3] and [0.5 credit from the following: SOCB30H3, SOCB42H3, and SOCB43H3, SOCB47H3, SOCB60H3, (SOCC39H3)]

Exclusion: (SOCB52H3) and SOC210Y

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

#### SOCC54H3 Special Topics in Sociology of Culture

Sociological analysis of the role of culture in societies is offered under this course. Topics may include the study of material cultures such as works of art, religious symbols, or styles of clothing, or non-material cultures such as the values, norms, rituals, and beliefs that orient action and social life.

Prerequisite: ~~SOCA01H3 and SOCA02H3~~ and [(SOCB05H3 or [(SOCB40H3) and (SOCB41H3)] or STAB22H3] and [0.5 credit from the following: SOCB30H3, SOCB42H3, and SOCB43H3, SOCB47H3, (SOCC39H3)]

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

NOTE: Please see the Sociology Department website at <http://www.utsc.utoronto.ca/~socsci/> for a listing of the course topics for current and upcoming semesters.

**SOCC55H3 Special Topics in Race and Ethnicity**

This course addresses key concepts and debates in the research on race and ethnicity. Topics covered may include historical and global approaches to: assimilation, ethnic relations, intersectionality, racialization, and scientific racism.

Prerequisite: ~~SOCA01H3 and SOCA02H3 and~~ [(SOCB05H3 or [(SOCB40H3) and (SOCB41H3)] or STAB22H3] and [0.5 credit from the following: SOCB30H3, SOCB42H3, and SOCB43H3, SOCB47H3, SOCB60H3, (SOCC39H3)]

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

NOTE: Please see the Sociology Department website at <http://www.utsc.utoronto.ca/~socsci/> for a listing of the course topics for current and upcoming semesters.

***Item 2: Course change – SOC C-levels (writing skills courses)***

*Rationale:*

Establishes consistency across C-level courses. Writing skills course require experience with, and skills in, logic of argumentation as developed in prerequisite B-levels.

*Calendar Copy Showing Changes:*

**SOCC03H3 Collective Behaviour**

The study of uninstitutionalized group behaviour - crowds, panics, crazes, riots and the genesis of social movements. This course has been designated an Applied Writing Skills Course.

Prerequisite: ~~SOCA01H3 and SOCA02H3 and~~ [(SOCB05H3 or [(SOCB40H3) and (SOCB41H3)])] and [1.0 credit from the following: SOCB30H3, SOCB42H3, and SOCB43H3, SOCB47H3, (SOCC39H3)]

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

**SOCC11H3 Policing and Security**

This course examines the character of policing and security programs in advanced liberal democracies. Attention will be paid to the nature and enforcement of modern law by both state and private agents of order, as well as the dynamics of the institutions of the criminal justice system. This course has been designated an Applied Writing Skills Course.

Prerequisite: ~~SOCA01H3 and SOCA02H3 and~~ [(SOCB05H3 or [(SOCB40H3) and (SOCB41H3)])] and [1.0 credit from the following: SOCB30H3, SOCB42H3, & SOCB43H3, SOCB47H3, (SOCC39H3)]

Exclusion: SOC213Y, SOC306Y

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

**SOCC23H3 Practicum in Qualitative Research Methods**

This course provides students with hands-on experience conducting qualitative research. Each student will design and carry out a research project. Students will select their own research questions, review the relevant sociological literature, develop a research design, and conduct qualitative research, analyze, write up and present their findings. This course has been designated an Applied Writing Skills Course.

Prerequisite: [10.0 credits including SOCA01H3 and SOCA02H3 and SOCB05H3] and a cumulative GPA of at least ~~2.7~~**2.3**

Exclusion: SOC302H, (SOCD23H3)

Enrolment Limits: 15

Breadth Requirement: Social & Behavioural Sciences

**SOCC24H3 Sociology of Gender and Families**

A theoretical and empirical examination of different forms of family and gender relations. Of special interest is the way in which the institution of the family produces and reflects gendered inequalities in society. Themes covered include changes and continuities in family and gender relations, micro-level dynamics and macro-level trends in family and gender, as well as the interplay of structure and agency.

Prerequisite: [~~SOCA01H3 and SOCA02H3~~] and [[SOCB05H3 or ((SOCB40H3) and (SOCB41H3))] and [1.0 credit from the following: (~~SOCB27H3~~), SOCB30H3, SOCB42H3, SOCB43H3, SOCB47H3, **SOCC39H3**]

Recommended Preparation: SOCB22H3 or SOCB49H3

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

**SOCC30H3 Criminal Behaviour**

The young figure prominently in people's views about, and fears of, crime. This course examines definitions of crime, how crime problems are constructed and measured. It looks at schools and the street as sites of criminal behaviour, and considers how we often react to crime in the form of moral panics. This course has been designated an Applied Writing Skills Course.

Prerequisite: ~~SOCA01H3 and SOCA02H3~~ and [[SOCB05H3 or ((SOCB40H3) and (SOCB41H3))] and [1.0 credit from the following: **SOCB30H3, SOCB42H3, and SOCB43H3, SOCB47H3, (SOCC39H3)**]

Exclusion: SOC306Y

Enrolment Limits: 60

Breadth Requirement: Social & Behavioural Sciences

**SOCC31H3 Practicum in Quantitative Research Methods**

This course provides students with hands-on experience conducting quantitative research. Each student will design and carry out a research project using secondary data. Students will select their own research questions, review the relevant sociological literature, develop a research design, conduct statistical analyses and write up and present their findings. This course has been designated an Applied Writing Skills Course.

Prerequisite: [[10.0 credits including SOCA01H3 and SOCA02H3 and SOCB05H3 and [STAB22H3 or (SOCB06H3)]] and [a cumulative GPA of at least **2.3**]

Exclusion: SOC300H, (SOCD31H3)

Enrolment Limits: 15  
 Breadth Requirement: Quantitative Reasoning

**SOCC34H3 Migrations & Transnationalisms**  
 Examines the relationship between contemporary modes of international migration and the formation of transnational social relations and social formations. Considers the impact of transnationalisms on families, communities, nation-states, etc. This course has been designated an Applied Writing Skills Course.  
 Prerequisite: ~~SOCA01H3 and SOCA02H3~~ and ~~[[SOCB05H3 or [(SOCB40H3) and (SOCB41H3)]] and [1.0 credit from the following: SOCB30H3, SOCB42H3, and SOCB43H3], SOCB47H3, SOCB60H3, (SOCC39H3), or IDSB01H3]~~

Enrolment Limits: 60  
 Breadth Requirement: Social & Behavioural Sciences

**SOCC40H3 Contemporary Sociological Theory**  
 This course surveys key topics in contemporary sociological theory. The development of sociological theory from the end of World War II to the late 1960's. Special attention is devoted to the perspectives of Functionalism, Conflict Theory and Symbolic Interactionism. This course has been designated an Applied Writing Skills Course.  
 Prerequisite: ~~SOCA01H3 and SOCA02H3~~ and ~~[[SOCB05H3 or [(SOCB40H3) and (SOCB41H3)]] and [1.0 credit from the following: SOCB30H3, SOCB42H3, and SOCB43H3, SOCB47H3, (SOCC39H3)]~~

Exclusion: (SOCC05Y3)  
 Enrolment Limits: 60  
 Breadth Requirement: Social & Behavioural Sciences

**SOCC58H3 Global Transformations: Politics, Economy and Society**  
 A sociological examination of contemporary global transformations including changing social, economic, and political conditions. Topics examined may include the shifting nature of state-society relations in a global context; the emergence of globally-integrated production, trade and financial systems; and the dynamics of local and transnational movements for global social change.  
 Prerequisite: ~~[[SOCA01H3 and SOCA02H3] and [[SOCB05H3 or [(SOCB40H3) and (SOCB41H3)]] and [1.0 credit from the following SOCB42H3, and SOCB43H3, SOCB47H3, (SOCC39H3)]~~

Exclusion: (SOCB27H3), SOC236H  
 Enrolment Limits: 60  
 Breadth Requirement: Social & Behavioural Sciences  
 NOTE: This course has been designated as a Writing Skills course.

***Item 3: Course change – SOCD01H3***

*Rationale:*  
 Ensure required skills (writing, reasoning, logic of argumentation) as well as depth of topic specific expertise for entry into advanced seminar.



*Calendar Copy Showing Changes:***SOCD01H3** Advanced Seminar in Culture and Cities

This course offers an in-depth examination of selected topics in Culture and Cities. Check the department website for details at: [www.utsct.utoronto.ca/sociology/programs](http://www.utsct.utoronto.ca/sociology/programs).

Prerequisite: SOCB05H3 and [1.0 credit from the following: ~~(SOCB27H3)~~, SOCB30H3, SOCB42H3, SOCB43H3, SOCB47H3, **SOCB44H3, SOCB58H3, (SOCC39H3)**] and **[SOCC44H3 or SOCC54H3]** and **[an additional 0.5 credit at the C-level in Sociology]**

Enrolment Limits: 20

Breadth Requirement: Social & Behavioural Sciences

Note: Priority will be given to students enrolled in the Specialist and Major programs in Sociology and the Minor in Culture, Creativity and Cities. Additional students will be admitted as space permits.

**Item 4: Course change – SOCD05H3***Rationale:*

Ensure required skills (writing, reasoning, logic of argumentation) as well as depth of topic specific expertise for entry into advance seminar.

*Calendar Copy Showing Changes:***SOCD05H3** Advanced Seminar in Criminology and Sociology of Law

This course offers an in-depth examination of selected topics in Criminology and Sociology of Law. Check the department website for details at: [www.utsct.utoronto.ca/sociology/programs](http://www.utsct.utoronto.ca/sociology/programs).

Prerequisite: SOCB05H3 and [1.0 credit from the following: ~~(SOCB27H3)~~, SOCB30H3, SOCB42H3, SOCB43H3, SOCB47H3, **SOCB50H3, SOCB51H3, (SOCC39H3)**] and **[0.5 credit from the following: SOCC03H3, SOCC11H3, SOCC30H3, SOCC45H3]** and **[an additional 0.5 credit at the C-level in Sociology]**

Enrolment Limits: 20

Breadth Requirement: Social & Behavioural Sciences

Note: Priority will be given to students enrolled in the Specialist and Major programs in Sociology. Additional students will be admitted as space permits.

**Item 5: Course change – SOCD10H3***Rationale:*

Ensure required skills (writing, reasoning, logic of argumentation) as well as depth of topic specific expertise for entry into advance seminar.

*Calendar Copy Showing Changes:***SOCD10H3** Advanced Seminar in Gender and Family

This course offers an in-depth examination of selected topics in Gender and Family. Check the department website for details at: [www.utsct.utoronto.ca/sociology/programs](http://www.utsct.utoronto.ca/sociology/programs).

Prerequisite: SOCB05H3 and [1.0 credit from the following: ~~(SOCB27H3)~~, SOCB30H3, SOCB42H3, SOCB43H3, SOCB47H3, **(SOCC39H3)**] and **[0.5 credit from the following: SOCC09H3, SOCC24H3, SOCC29H3, SOCC38H3]** and **[an additional 0.5 credit at the C-level**

in Sociology]

Enrolment Limits: 20

Breadth Requirement: Social & Behavioural Sciences

Note: Priority will be given to students enrolled in the Specialist and Major programs in Sociology. Additional students will be admitted as space permits.

**Item 6: Course change – SOCD15H3**

*Rationale:*

Ensure required skills (writing, reasoning, logic of argumentation) as well as depth of topic specific expertise for entry into advance seminar.

*Calendar Copy Showing Changes:*

SOCD15H3 Advanced Seminar in Migration and Ethnicity

This course offers an in-depth examination of selected topics in Migration and Ethnicity. Check the department website for details at: [www.uts.utoronto.ca/sociology/programs](http://www.uts.utoronto.ca/sociology/programs).

Prerequisite: SOCB05H3 and [1.0 credit from the following: (~~SOCB27H3~~), SOCB30H3, SOCB42H3, SOCB43H3, SOCB47H3, (SOCC39H3)] and [0.5 credit from the following: SOCC25H3, SOCC34H3, SOCC52H3, SOCC55H3] and [an additional 0.5 credit at the C-level in Sociology]

Enrolment Limits: 20

Breadth Requirement: Social & Behavioural Sciences

Note: Priority will be given to students enrolled in the Specialist and Major programs in Sociology and the Minor in Migration and Ethnic Diversity. Additional students will be admitted as space permits.

**Item 7: Course change – SOCD20H3**

*Rationale:*

SOCA01H3 and SOCA02H3 are pre-requisites for SOCB05H3; including them in the pre-requisite for SOCD20H3 is redundant.

*Calendar Copy Showing Changes:*

SOCD20H3 ~~Senior~~ **Advanced** Seminar: Social Change and Gender Relations in Chinese Societies

This seminar examines the transformation and perpetuation of gender relations in contemporary Chinese societies. It pays specific attention to gender politics at the micro level and structural changes at the macro level through in-depth readings and research.

Same as GASD20H3

Prerequisite: [~~SOCA01H3 and SOCA02H3~~ and SOCB05H3 and one C-level course in SOC] OR [GASA01H3 and GASA02H3 and one C-level course from the options in requirement #2 of the Specialist or Major programs in Global Asia Studies]

Exclusion: GASD20H

Recommended Preparation: GASB20H3 and GASC20H3

Enrolment Limits: 20



**Item 8: Course change – SOCD21H3**

*Rationale:*

Ensure required skills (writing, reasoning, logic of argumentation) as well as depth of topic specific expertise for entry into advanced seminar.

*Calendar Copy Showing Changes:*

**SOCD21H3 Immigrant Scarborough**

This course will teach students how to conduct in-depth, community-based research on the social, political, cultural and economic lives of immigrants. Students will learn how to conduct qualitative research including participant observation, semi-structured interviews and focus groups. Students will also gain valuable experience linking hands-on research to theoretical debates about migration, transnationalism and multicultural communities. **Check the department website for details at: [www.utsct.utoronto.ca/sociology/programs](http://www.utsct.utoronto.ca/sociology/programs).**

Prerequisite: ~~SOCA01H3 and SOCA02H3 and SOCB05H3 and [SOCC23H3 or SOCC31H3]~~  
**[1.0 credit from the following: SOCB30H3, SOCB42H3, SOCB43H3, SOCB47H3, (SOCC39H3)] and [0.5 credit from the following: SOCC25H3, SOCC34H3, SOCC52H3, SOCC55H3] and [an additional 0.5 credit at the C-level in Sociology]**

Enrolment Limits: ~~30~~ 20

Breadth Requirement: Social & Behavioural Sciences

**Item 9: Course change – SOCD25H3**

*Rationale:*

Ensure required skills (writing, reasoning, logic of argumentation) as well as depth of topic specific expertise for entry into advanced seminar.

*Calendar Copy Showing Changes:*

**SOCD25H3 Advanced Seminar in Economy, Politics and Society**

This course offers an in-depth examination of selected topics in Economy, Politics and Society. Check the department website for details at: [www.utsct.utoronto.ca/sociology/programs](http://www.utsct.utoronto.ca/sociology/programs).

Prerequisite: SOCB05H3 and **[1.0 credit from the following: (~~SOCB27H3~~), SOCB30H3, SOCB42H3, SOCB43H3, SOCB47H3, (SOCC39H3)] and [0.5 credit from the following: SOCC04H3, SOCC15H3, SOCC58H3] and [an additional 0.5 credit at the C-level in Sociology]**

Enrolment Limits: 20

Breadth Requirement: Social & Behavioural Sciences

Note: Priority will be given to students enrolled in the Specialist and Major programs in Sociology. Additional students will be admitted as space permits.

**Item 10: Course change – SOCD42H3**

*Rationale:*

Ensure required skills (writing, reasoning, logic of argumentation) as well as depth of topic specific expertise for entry into advanced seminar.

*Calendar Copy Showing Changes:*

SOCD42H3 Advanced Seminar in Sociological Theory

This course offers an in depth and/or exploration of significant topics of interest in contemporary sociological theory. Designed for and restricted to students enrolled in the final year of the Specialist Program in Sociology. Check the department website for details at: [www.utsoc.utoronto.ca/sociology/programs](http://www.utsoc.utoronto.ca/sociology/programs).

Prerequisite: ~~{SOCA01H3 and SOCA02H3}~~ and ~~[[SOCB05H3 or [(SOCB40H3) and (SOCB41H3)]] and {STAB22H3 or (SOCB06H3)}~~ and [1.0 credit from the following: ~~(SOCB27H3),~~ SOCB30H3, SOCB42H3, SOCB43H3, SOCB47H3, (SOCC39H3)] and [0.5 credit from the following: SOCC03H3, SOCC40H3, SOCC58H3] and [an additional 0.5 credit at the C-level in Sociology]

**Item 11: Course change – SOCD44H3***Rationale:*

Ensure required skills (writing, reasoning, logic of argumentation) as well as depth of topic specific expertise for entry into advanced seminar.

*Calendar Copy Showing Changes:*

SOCD44H3 Advanced Seminar on Issues in Contemporary Sociology

Exploration of current debates and controversies surrounding recent scholarly developments in Sociology. Check the department website for details at:

[www.utsoc.utoronto.ca/sociology/programs](http://www.utsoc.utoronto.ca/sociology/programs).

Prerequisite: ~~{SOCA01H3 and SOCA02H3}~~ and ~~[[SOCB05H3 or [(SOCB40H3) and (SOCB41H3)]] and {STAB22H3 or (SOCB06H3)}~~ and [1.0 credit from the following: ~~(SOCB27H3),~~ SOCB30H3, SOCB42H3, SOCB43H3, SOCB47H3, (SOCC39H3)] and [an additional 1.0 credit at the C-level in Sociology] ~~SOCC40H3~~

**Item 12: Course change – SOCD50H3***Rationale:*

We took “honours” out of the title because the course is not intended solely for honours students. We have made the course description more specific to better communicate the aims of the course to the students. We have increased the number of prerequisites to ensure that the students taking this course will be mid-3<sup>rd</sup> year or 4<sup>th</sup> year students. The course is an advanced course so is not appropriate for students in earlier stages of their education.

*Calendar Copy Showing Changes:*

SOCD50H3 ~~Honours~~ Research Seminar: Realizing the Sociological Imagination

This course presents students with the opportunity to integrate and apply their sociological knowledge and skills through conducting independent research, and with opportunities for professional development. In a step-by-step process, each student will design and conduct an original research study. The course is especially suited for those students interested in pursuing

**graduate studies or professional careers involving research skills.** ~~Students can choose to develop a new research project or deepen their focus on an existing research project or paper. The student will make an original contribution to scholarship by selecting a research question, reviewing relevant literature, developing a research design, collecting and analyzing data, and writing a research paper.~~

Prerequisite: ~~40.0~~ **12.0** credits including SOCA01H3 and SOCA02H3 and SOCB05H3 and [STAB22H3 or (SOCB06H3)] and [SOCC23H3 or SOCC31H3] and a cumulative GPA of at least 2.7

Enrolment Limits: 15

Breadth Requirement: Social & Behavioural Sciences



## 2015-16 Curriculum Cycle Course Deletions Report: Undergraduate Curriculum (for UTSC Academic Affairs Committee)

January 26, 2015

Course Code	Course Title
ANTC11H3	Culture, Science and Biotechnology: Redefining the “Natural” Order of Things
ASTD01H3	Astrophysics Research Project
ASTD02H3	Supervised Reading in Astrophysics
CITC40H3	Megacities and Global Urbanization
ENGC77H3	The Body in Contemporary Culture: Theories and Representations
FREA17H3	Conversation I
FREC05H3	Exercise in Interpreting
FREC45H3	Morphology
FREC56H3	Topics in French Literature: Short Stories of the 19 <sup>th</sup> and 20 <sup>th</sup> Centuries
FREC61H3	Topics in French Literature: Humour in French-Language Fiction Today
FRED12H3	Advanced Topics in Literature: Haitian Migrant Literature in Québec
FRED46H3	Field Methods in Linguistics
HISB92H3	Modern Europe: From 1789 to the Present
LINC06H3	Language Change
MATC35H3	Chaos, Fractals and Dynamics
MATD61H3	Introduction to Industrial Mathematics
PHYD11H3	Computational Physics Project
POLC82H3	The Formulation of American Foreign Policy
POLC95H3	International Political Economy of Trade
VPMC93H3	Orpheus
VPMC96H3	Music in the Medieval and Renaissance Eras



UNIVERSITY OF  
**TORONTO**  
SCARBOROUGH

OFFICE OF THE CAMPUS COUNCIL

**FOR INFORMATION**

**PUBLIC**

**OPEN SESSION**

**TO:** UTSC Academic Affairs Committee

**SPONSOR:** Dean and Vice-Principal (Academic), Rick Halpern

**CONTACT INFO:** vpdean@utsc.utoronto.ca

**PRESENTER:** Vice-Dean, Undergraduate, Mark Schmuckler

**CONTACT INFO:** vicedean@utsc.utoronto.ca

**DATE:** Tuesday, February 10, 2015

**AGENDA ITEM:** 6

**ITEM IDENTIFICATION:**

Editorial Changes to Undergraduate Programs and Courses – All UTSC Academic Units

**JURISDICTIONAL INFORMATION:**

University of Toronto Scarborough Academic Affairs Committee (AAC) “is concerned with matters affecting the teaching, learning and research functions of the Campus (AAC *Terms of Reference, Section 4*.)” Under section 5.7 of its Terms of Reference, the Committee “receives annually from its assessors, reports on matters within its areas of responsibility.”

**GOVERNANCE PATH:**

1. UTSC Academic Affairs Committee [For Information] (February 10, 2015)

**PREVIOUS ACTION TAKEN:**

No previous action in governance has been taken on this item.

**HIGHLIGHTS:**

The Office of the Dean and Vice-Principle (Academic) reports, for information, all non-curricular editorial changes to undergraduate programs and courses.

Non-curricular editorial changes include:

- Changes to course titles;
- Changes to course descriptions (where there are no changes to the learning outcomes);

*2015-16 Undergraduate Calendar Editorial Changes, All Units –for information*

- Acknowledging the deletion of a course in a program or another course;
- Revisions to program admission or enrolment information that has no impact on the program requirements;
- Overview or introductory paragraphs about academic units or programs; and
- Routes to specialization and guides to course sequencing.

Editorial changes to all academic programs are presented in the 2015-16 Editorial Changes: Programs Compare Report.

Editorial changes to all courses are presented in the 2015-16 Editorial Changes: Courses Compare Report.

**FINANCIAL IMPLICATIONS:**

There are no net financial implications to the campus operating budget.

**RECOMMENDATION:**

This item is presented for information only

**DOCUMENTATION PROVIDED:**

1. 2015-16 Curriculum Cycle: Course Title Changes
2. 2015-16 Curriculum Cycle, Editorial Changes: Programs Compare Report
3. 2015-16 Curriculum Cycle, Editorial Changes: Courses Compare Report

## 2015-15 Curriculum Cycle: Course Title Changes

### Course Title Changes

Course Code	Existing Title	New Title
ANTC09H3	Families: Kinship and Marriage from a Cross Cultural Perspective	Sex, Love, and Intimacy: Anthropological Approaches to Kinship and Marriage
CHMD92H3	Advanced Organic Chemistry Laboratory Course	Advanced Chemistry Laboratory Course
CSCA67H3	Discrete Mathematics for Computer Scientists	Discrete Mathematics
EESC16H3	Field Camp I	Field Methods
EESC31H3	Principles of Glacial Sedimentology and Stratigraphy	Glacial Geology
ENGB37H3	Selling Pleasure: Popular Literature and Mass Culture	Popular Literature and Mass Culture
ENGC44H3	Self and Other: Dialectics in Fiction	Self and Other in Literature and Film
ENGC76H3	The Body in Modernity: Theories and Representations	The Body in Literature and Film
FREB17H3	Conversation II	Spoken French: Conversation and Pronunciation
FREB18H3	Commercial French	French in the Workplace
FREB70H3	Cinema of the Francophone World	Cinema of the French-Speaking World
FREC38H3	Special Topics in the Literature of Québec: Postmodern Literature	Topics in the Literature of Québec
FREC47H3	Special Topics in Linguistics: Pidgin and Creole Languages	Pidgin and Creole Languages
GASD20H3	Senior Seminar: Social Change and Gender Relations in Chinese Societies	Advanced Seminar: Social Change and Gender Relations in Chinese Societies
HLTC04H3	Methods	Critical Qualitative Health Research Methods
IDSB04H3	International Health Policy Analysis	Introduction to International/Global Health
IDSC06H3	Directed Research on Canadian Institutions and International Development	Directed Reading on Canadian Institutions and International Development
IDSC11H3	Issues in International Health	Issues in Global and International Health
IDSD02H3	Supervised Research in International Development	Advanced Seminar in Critical Development Studies: Theory and Policy
IDSD15H3	Directed Reading	Directed Research
LINC47H3	Special Topics in Linguistics: Pidgin and Creole Languages	Pidgin and Creole Languages

<b>Course Code</b>	<b>Existing Title</b>	<b>New Title</b>
LIND29H3	Seminar in Sociolinguistic Methodologies	Linguistic Research Methodologies
MDSA02H3	History of Media and Technology	History of Media
MDSB62H3	Visual Culture	Visual Culture and Communication
MDSC01H3	Theories and Methods in Media Studies	Theories in Media Studies
MDSC02H3	Topics in Media, Identities and Politics	Media, Identities and Politics
MDSC64H3	Old Media, New Media: Film and Technology	Film and Technology
MGHC02H3	Leadership Skills	Management Skills
MGHD14H3	Leadership and Management in the 21 <sup>st</sup> Century	Leadership
PHLB99H3	Writing Philosophy	Writing for Philosophy
PLIC54H3	Speech Pathology and Speech Disorders in Children and Adults	Speech Physiology and Speech Disorders in Children and Adults
POLB80H3	Introduction to International Relations	Introduction to International Relations I
POLB81H3	Global Issues and Governance	Introduction to International Relations II
POLC73H3	Modern Political Theory I	Modern Political Theory
POLC83H3	The Application of American Foreign Policy	Applications of American Foreign Policy
POLD02Y3	Research Seminar in International Relations	Senior Research Seminar in Political Science
SOCD20H3	Senior Seminar: Social Change and Gender Relations in Chinese Societies	Advanced Seminar: Social Change and Gender Relations in Chinese Societies
VPMA70H3	Vocal Ensemble Ia	Concert Choir Ia
VPMA71H3	Vocal Ensemble Ib	Concert Choir Ib
VPMA73H3	Instrumental Ensemble Ia	Concert Band Ia
VPMA74H3	Instrumental Ensemble Ib	Concert Band Ib
VPMB70H3	Vocal Ensemble IIa	Concert Choir IIa
VPMB71H3	Vocal Ensemble IIb	Concert Choir IIb
VPMB73H3	Instrumental Ensemble IIa	Concert Band IIa
VPMB74H3	Instrumental Ensemble IIb	Concert Band IIb
VPMC70H3	Vocal Ensemble IIIa	Concert Choir IIIa
VPMC71H3	Vocal Ensemble IIIb	Concert Choir IIIb
VPMC73H3	Instrumental Ensemble IIIa	Concert Band IIIa
VPMC74H3	Instrumental Ensemble IIIb	Concert Band IIIb
VPSA74H3	Foundations in Digital Studio Practice	Digital Studio I
VPSB63H3	Sculpture Concepts and the Everyday	Sculpture and the Everyday
VPSB71H3	Books and Multiples	Artist Multiples
VPSB77H3	Introduction to Performance Art	Performance Art



<b>Course Code</b>	<b>Existing Title</b>	<b>New Title</b>
VPSB80H3	Digital Studio Projects	Digital Studio II
VPSB88H3	Introduction to Sound Art	Sound Art
VPSB89H3	Introduction to Digital Animation	Digital Animation I
VPSC89H3	Digital Animation 2	Digital Animation II
WSTB05H3	Methods of Research and Inquiry in Women's and Gender Studies	Approaches to Research in Women's and Gender Studies