



FOR INFORMATION

PUBLIC

OPEN SESSION

TO: UTSC Academic Affairs Committee

SPONSOR: Prof. William Gough, Vice-Principal Academic and Dean
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PRESENTER: Prof. Katherine Larson: Vice-Dean Teaching, Learning & Undergraduate Programs
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DATE: January 6, 2021 for January 13, 2021

AGENDA ITEM: 5

ITEM IDENTIFICATION:

Minor Modifications: Undergraduate Curriculum Changes – Humanities, Sciences and Social Sciences, UTSC (for information)*

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] (January 13, 2021)**

PREVIOUS ACTION TAKEN:

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

HIGHLIGHTS:

The Office of the Vice-Principal Academic and Dean reports, for information, all curricular changes that do not impact program and course learning outcomes or mode of delivery. These include, but are not limited to:

Undergraduate Minor Modifications – for Information

- Adding, deleting or moving an optional course in a program;
- Adding, deleting or moving a required course in a program, as long the change does not alter the nature of the program;
- All course deletions; and
- Changes to course level and/or designator, requisites, enrolment limits and breadth requirement categories.

This package includes minor modifications to undergraduate curriculum, submitted by the academic units identified below. These changes will be in effect as of Fall 2021, for the 2021-22 academic year.

- The Department of Anthropology (Report: Minor Modifications for Information)
 - 1 course deletion
- The Department of Biological Sciences (Report: Minor Modifications for Information)
 - 6 program changes
 - 27 course changes
- The Department of Health and Society (Report: Minor Modifications for Information)
 - 1 course change
- Centre for Critical Development Studies (Report: Minor Modifications for Information)
 - 5 program changes
 - 3 course changes
- Centre for Critical Development Studies (Report: Minor Modifications for Information)
 - 5 program changes
 - 3 course changes
- The Department of English (Report: Minor Modifications for Information)
 - 1 course change
- The Department of Historical and Cultural Studies (Report: Minor Modifications for Information)
 - 4 program changes
 - 3 course changes
 - 3 course deletions
- The Department of Human Geography (Report: Minor Modifications for Information)
 - 4 program changes
 - 3 course changes
- The Department of Language Studies (Report: Minor Modifications for Information)
 - 3 program changes
 - 4 course changes
- The Department of Political Science (Report: Minor Modifications for Information)
 - 1 program change
 - 5 course changes
- The Department of Psychology (Report: Minor Modifications for Information)
 - 4 program changes
 - 5 course changes

Undergraduate Minor Modifications – for Information

- The Department of Language Studies (Report: Minor Modifications for Information)
 - 3 program changes
 - 4 course changes
- Centre for Teaching and Learning (Report: Minor Modifications for Information)
 - 1 course deletion

This package also includes minor modifications to undergraduate curriculum, submitted by the academic units identified below. These changes have been in effect as of Fall 2020, for the 2020-21 academic year.

- The Department of Arts, Culture, and Media (Report: Minor Modifications for Information)
 - 1 course change

FINANCIAL IMPLICATIONS:

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

RECOMMENDATION:

This item is presented for information only.

DOCUMENTATION PROVIDED:

1. 2021-22 Curriculum Cycle: Undergraduate Minor Curriculum Modifications for Information Report: Minor Modifications for Information



2021-22 Curriculum Cycle

Undergraduate Minor Curriculum Modifications for Information Report: Minor Modifications for Information

January 13, 2021

Anthropology (UTSC), Department of

1 Retired Course:

SOED01H3: Environmental Internship

Rationale:

SOED01H3 has not been offered in the last 5+ years and the program that used SOE as a course requirement has been deleted.

Consultation: DCC Approval: November 12, 2020

Resources: None

Biological Sciences (UTSC), Department of

6 Minor Program Modifications:

MAJOR PROGRAM IN HUMAN BIOLOGY (SCIENCE)

Completion Requirements:**Program Requirements:**

This program consists of 8.5 credits.

Required Courses and Suggested Course Sequence*First Year***1. 1.0 Credit of Introductory Biology Courses**

BIOA01H3 Life on Earth: Unifying Principles

BIOA02H3 Life on Earth: Form, Function and Interactions

2. 1.0 Credit in Introductory Chemistry Courses

CHMA10H3 Introductory Chemistry I: Structure and Bonding

CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms

3. 1.0 Credit in Introductory Psychology Courses

PSYA01H3 Introduction to Biological and Cognitive Psychology

4. 0.5 Credit in Mathematics or Statistics

Choose From:

MATA29H3 Calculus I for the Life Sciences

MATA30H3 Calculus I for Physical Sciences

STAB22H3 Statistics I

PSYB07H3 Data Analysis in Psychology

Second Year

5. 2.5 Credits of Biology Core Courses

BIOB10H3 Cell Biology

BIOB11H3 Molecular Aspects of Cellular and Genetic Processes

BIOB34H3 Animal Physiology

BIOB50H3 Ecology

BIOB51H3 Evolutionary Biology

BIOB90H3 Integrative Research Poster Project (CR/NCR 0.0 credit)*

* **Note** : Completion of BIOB90H3 is a graduation requirement for students in this program. Concurrent enrolment in at least one of the BIO B-level courses listed above is required for enrolment in BIOB90H3. Please see BIOB90H3 in the Calendar for important information.

6. 0.5 Credit in a Biology Core Lab

Choose From:

BIOB32H3 Animal Physiology Laboratory

BIOB33H3 Human Development and Anatomy

Third/Fourth Years

7. 1.5 Credits of 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

BIOC20H3 Principles of Virology

BIOC21H3 Vertebrate Histology: Cells and Tissues

BIOC32H3 Human Physiology I

BIOC34H3 Human Physiology II

BIOC35H3 Principles of Parasitology

BIOC39H3 Immunology

BIOC54H3 Animal Behaviour

BIOC58H3 Biological Consequences of Global Change

BIOC65H3 Environmental Toxicology

NROC61H3 Learning and Motivation

NROC64H3 Sensorimotor Systems

NROC69H3 Synaptic Organisation and Physiology of the Brain

BIOC90H3 Integrative Multimedia Documentary Project (CR/NCR 0.0 credit)*

* **Note** : Completion of BIOC90H3 is a graduation requirement for students in this program. Concurrent enrolment in one of the participating BIO C-level courses is required for enrolment in BIOC90H3. Please see BIOC90H3 in the Calendar for important information.

8. 0.5 Credit of D-Level Biology Courses

Choose From:

BIOD07H3 Advanced Topics and Methods in Neural Circuit Analysis
BIOD08H3 Theoretical Neuroscience
BIOD12H3 Protein Homeostasis
BIOD17H3 Seminars in Cellular Microbiology
BIOD19H3 Epigenetics in Health and Disease
BIOD20H3 Special Topics in Virology
BIOD26H3 Fungal Biology and Pathogenesis
BIOD29H3 Pathobiology of Human Disease
BIOD33H3 Comparative Animal Physiology
BIOD35H3 Sports Science
BIOD43H3 Animal Movement and Exercise
BIOD59H3 Models in Ecology, Epidemiology and Conservation
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 Neuroscience of Aging~~

Description of Proposed Changes:

1. Requirement 7: removed NROC16H3, NROC64H3, and NROC69H3 as optional courses
2. Requirement 8: removed NROD66H3 and NROD67H3 as optional courses

Rationale:

1. The department has decided to remove these C-level NRO course options due to additional prerequisites that have been added to these courses.
2. The department has decided to remove these D-level NR course options due to additional prerequisites that have been added to these courses. However, these D-level course options will still be accessible to students in the Double Major in Human Biology and Neuroscience/Psychology.

Impact: None.

Consultation: DCC Approval: June 23, 2020.

Resource Implications: None.

MAJOR PROGRAM IN PLANT BIOLOGY (SCIENCE)

Description:

Supervisor: R. Zhao Email: plant-biology@utsc.utoronto.ca

The Major **Program** in Plant Biology provides a broad education in all areas of contemporary biology ; and affords students an opportunity to concentrate on **Plant Biology** courses in upper years ~~that are focused on plant biology~~ . This program is suitable for students with an interest in ~~the~~ biochemistry, biotechnology, cell biology, ecology, evolution, genetics, physiology, and/or development of plants.

Completion Requirements:

Program Requirements

Students are required to complete a total of 8.5 credits.

Required Courses and Suggested Course Sequence:

First Year

1. 1.0 Credit of Introductory Biology Courses credit as follows :

BIOA01H3 Life on Earth: Unifying Principles

BIOA02H3 Life on Earth: Form, Function and Interactions

2. 1.0 Credit of Introductory Chemistry Courses credit as follows :

CHMA10H3 Introductory Chemistry I: Structure and Bonding

CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms

3.0.5 Credit of Statistics Courses

credit from the following: Choose From:

STAB22H3 Statistics I

PSYB07H3 Data Analysis in Psychology

Second Year

4.2.5 Credits of Biology Core Courses credits as follows:

BIOB10H3 Cell Biology

BIOB11H3 Molecular Aspects of Cellular and Genetic Processes

BIOB38H3 Plants and Society

BIOB50H3 Ecology

BIOB51H3 Evolutionary Biology

BIOB90H3 Integrative Research Poster Project (CR/NCR 0.0 credit)*

* **Note** : Completion of BIOB90H3 is a graduation requirement for students in this program. Concurrent enrolment in at least one of the BIO B-level courses listed above is required for enrolment in BIOB90H3. Please see BIOB90H3 in the Calendar for important information.

5.0.5 Credit of Biology Core Labs

credit from the following: Choose From:

BIOB12H3 Cell and Molecular Biology Laboratory

BIOB52H3 Ecology and Evolutionary Biology Laboratory

Third Year

6.1.5 Credits of C-level Plant Courses 2.0 credits as follows:

BIOC31H3 Plant Development and Biotechnology

BIOC37H3 Plants: Life on the Edge

BIOC40H3 Plant Physiology

{ ~~BIOC13H3 Biochemistry II: Bioenergetics and Metabolism or BIOC15H3 Genetics or BIOC17H3 Microbiology or BIOC50H3 Macroevolution~~ }

Third/Fourth Year

7.1.0 Credit of Additional C-level Courses

0.5 credit from the following: Choose From:

~~BIOC12H3 Biochemistry I: Proteins BIOC61H3 Community Ecology and Enzymes Environmental Biology~~

~~BIOC13H3 Biochemistry II BIOD13H3 Herbiology: Bioenergetics and Metabolism The Science Behind Medicinal Plants~~

~~BIOC15H3 Genetics BIOD21H3 Advanced Molecular Biology Laboratory~~

~~BIOC17H3 Microbiology BIOD37H3 Biology of Plant Stress~~

~~BIOC35H3 Principles in Parasitology BIOD62H3 Symbiosis: Interactions Between Species~~

~~BIOC50H3 Macroevolution~~

~~BIOC52H3 Field Ecology~~

~~BIOC61H3 Community Ecology BIOD26H3 Fungal Biology and Environmental Biology Pathogenesis~~

BIOC90H3 Integrative Multimedia Documentary Project (CR/NCR 0.0 credit)*

* **Note** : Completion of BIOC90H3 is a graduation requirement for students in this program. Concurrent enrolment in one of the participating BIO C-level courses is required for enrolment in BIOC90H3. Please see BIOC90H3 in the Calendar for important information.

Fourth Year

8.0.5 Credit of D-level Biology Courses

credit from the following: Choose From:

BIOD12H3 Protein Homeostasis

BIOD13H3 Herbiology : The Science Behind Medicinal Plants
BIOD21H3 Advanced Molecular Biology Laboratory
BIOD26H3 Fungal Biology and Pathogenesis
† BIOD30H3 Plant Research and Biotechnology: Addressing Global Problems
BIOD37H3 Biology of Plant Stress
BIOD62H3 Symbiosis : Interactions Between Species

Note the following research-based courses if the research utilizes plants: Students who are interested in research or graduate studies can choose to take BIOC99H3, BIOD95H3, BIOD98Y3 or BIOD99Y3 supervised study courses with faculty to obtain additional research experience and training in plant biology. ††

Description of Proposed Changes:

1. Program description and enrolment requirements have been edited.
2. All program requirements have added titles
3. Program Requirement 6: total credit has decreased from 2.0 to 1.5 credits. BIOC13H3, BIOC15H3, BIOC17H3, BIOC50H3 have been removed as optional courses.
4. Program Requirement 7: total credits now increased from 0.5 to 1.0 credit. All D-level courses removed as optional courses. BIOC13H3, BIOC15H3, BIOC17H3, BIOC50H3 have been added as C-level optional courses. Added BIOC12H3, BIOC35H3 and BIOC52H3 as optional courses.
5. Program Requirement 8: Five D-level courses added as optional courses from requirement 7, and BIOD12H3 added as optional courses. A note was added with the following recommended supervised study/research courses: BIOC99H3, BIOD95H3, BIOD98Y3 or BIOD99Y3.

Rationale:

1. Editorial changes made to the program description and enrolment requirements.
2. Program requirements have titles to describe courses in each requirement
3. Requirement 6 decreased total credit requirement by 0.5 credit due to the removal of the three C-level optional courses. This program requirement is now composed of three highly plant-focused courses only at the C-level. This revised requirement better reflects the core foundations of plant biology that all students in the program must acquire.
4. Requirement 7 increased total credit requirement by 0.5 due to the additionally added C-level courses. This program requirement now contains only C-level courses, all courses added to this requirement provide students with additional C-level options to complete this requirement. Additionally, the content covered in these C-level courses allows students to broaden their training in interesting plant biology topics.
5. Requirement 8 now contains only D-level courses. It contains five plant-focused D-level courses moved here from Requirement 7. and BIOD12H3 that will provide students with additional options to complete this program requirement.

Impact: None.

Consultation: DCC Approval: September 15, 2020.

Resource Implications: None.

SPECIALIST (CO-OPERATIVE) PROGRAM IN MOLECULAR BIOLOGY AND BIOTECHNOLOGY (SCIENCE)

Completion Requirements:

Program Requirements

The program requires students to complete a total of 14.5 credits.

First Year

1. 1.0 Credit of Introductory Biology Courses

BIOA01H3 Life on Earth: Unifying Principles

BIOA02H3 Life on Earth: Form, Function and Interactions

2. 1.0 Credit of Introductory Chemistry Courses

CHMA10H3 Introductory Chemistry I: Structure and Bonding
CHMA11H3 Introductory Chemistry I: Reactions and Mechanisms

3. 1.0 Credit in Mathematics

Choose from:

[MATA29H3 Calculus I for the Life Sciences and MATA35H3 Calculus II for Biological Sciences] or [MATA30H3 Calculus I for Physical Sciences and MATA36H3 Calculus II for Physical Sciences]

4. 1.0 Credit in Physics

[PHYA10H3 Physics I for the Physical Sciences or PHYA11H3 Physics I for the Life Sciences]
[PHYA21H3 Physics II for the Physical Sciences or PHYA22H3 Physics II for the Life Sciences]

5. 0.5 Credit in Statistics

Choose from:

STAB22H3 Statistics I (this course could also be taken in the second year)
PSYB07H3 Data Analysis in Psychology (this course could also be taken in the second year)

Second Year

6. 3.0 Credits of Biology Core Courses

BIOB10H3 Cell Biology
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
BIOB34H3 Animal Physiology
BIOB38H3 Plants and Society
BIOB50H3 Ecology
BIOB51H3 Evolutionary Biology

BIOB90H3 Integrative Research Poster Project (CR/NCR 0.0 credit)*

* **Note** : Completion of BIOB90H3 is a graduation requirement for students in this program. Concurrent enrolment in at least one of the BIO B-level courses listed above is required for enrolment in BIOB90H3. Please see BIOB90H3 in the Calendar for important information.

7. 0.5 Credit of Biology Core Labs

BIOB12H3 Cell and Molecular Biology Laboratory

8. 1.0 Credit of Organic Chemistry Courses

CHMB41H3 Organic Chemistry I
CHMB42H3 Organic Chemistry II

Note : Computer Science might be taken in this year and will enhance Co-op placement options.

Third Year

9. 3.5 Credits of Biology C-level Courses

BIOC12H3 Biochemistry I: Proteins and Enzymes
BIOC13H3 Biochemistry II: Bioenergetics and Metabolism
BIOC15H3 Genetics
BIOC17H3 Microbiology
BIOC20H3 Principles of Virology
BIOC23H3 Practical Approaches to Biochemistry
BIOC39H3 Immunology (can be completed in third or fourth year)

10. 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

Third/Fourth Year

11. 0.5 Credit of Cognate Biology Courses

Choose from:

BIOC10H3 Cell Biology: Proteins from Life to Death

BIOC14H3 Genes, Environment and Behaviour

BIOC19H3 Animal Developmental Biology

BIOC21H3 Vertebrate Histology: Cells and Tissues

BIOC31H3 Plant Development and Biotechnology

BIOC35H3 Principles of Parasitology

BIOC40H3 Plant Physiology

BIOD37H3 Biology of Plant Stress

BIOC90H3 Integrative Multimedia Documentary Project (CR/NCR 0.0 credit)*

* **Note** : Completion of BIOC90H3 is a graduation requirement for students in this program. Concurrent enrolment in one of the participating BIO C-level courses is required for enrolment in BIOC90H3. Please see BIOC90H3 in the Calendar for important information.

Fourth Year

12. 0.5 Credit in Advanced Molecular Techniques

BIOD21H3 Advanced Molecular Biology Laboratory

13. 0.5 Credit of D-level Research-Oriented "Cell & Molecular" Course Work

Choose from:

BIOD12H3 Protein Homeostasis

BIOD13H3 Herbology: The Science Behind Medicinal Plants

BIOD17H3 Seminars in Cellular Microbiology

BIOD19H3 Epigenetics in Health and Disease

BIOD20H3 Special Topics in Virology

BIOD22H3 Molecular Biology of the Stress Response

BIOD23H3 Special Topics in Cell Biology

BIOD25H3 Genomics

BIOD26H3 Fungal Biology and Pathogenesis

BIOD27H3 Vertebrate Endocrinology

BIOD29H3 Pathobiology of Human Disease

BIOD30H3 Plant Research and Biotechnology: Addressing Global Problems

BIOD95H3 Supervised Study in Biology

BIOD98Y3 Directed Research in Biology

Note : Any of these courses not used to satisfy this requirement can be used to fulfill the '0.5 credit of Cognate Biology Courses.'

Co-op Work Term Requirements

Students must satisfactorily complete two Co-op work terms, each of four-months duration. To be eligible for their first work term, students must be enrolled in the Specialist (Co-op) Program in Molecular Biology and Biotechnology and have completed at least 10.0 credits, including BIOA01H3, BIOA02H3, CHMA10H3, CHMA11H3, [MATA29H3 and MATA35H3] or [MATA30H3 and MATA36H3], [PHYA10H3 or PHYA11H3], BIOB10H3, BIOB11H3, BIOB12H3, CHMB41H3 and CHMB42H3.

In addition to their academic program requirements, Co-op students complete up to four Co-op specific courses. These courses are designed to prepare students for their job search and work term experience, and to maximize the benefits of their Co-op work terms. They cover a variety of topics intended to assist students in developing the skills and tools required to secure work terms that are appropriate to their program of study, and to perform professionally in the workplace. These courses must be completed in sequence, and are taken in addition to a full course load. They are recorded on transcripts as credit/no credit (CR/NCR) and are considered to be additive credit to the 20.0 required degree credits. No additional course fee is assessed as registration is included in the Co-op Program fee.

Co-op Preparation Course Requirements:

1. COPB50H3/(COPD01H3) – Foundations for Success in Arts & Science Co-op
 - Students entering Co-op from outside of UTSC (high school or other postsecondary) will complete this course in Fall or Winter of their first year at UTSC. Enrolment in each section is based on admission category: Typically, students in Computer Science, Mathematics and Statistics enroll in the Fall semester while all other Arts & Science Co-op admission categories enroll in the Winter semester however this may vary year to year.
 - Current UTSC students entering Co-op in April/May will complete this course in the Summer semester.
 - Current UTSC students entering Co-op in July/August will complete this course in the Fall semester.
2. COPB51H3/(COPD03H3) – Preparing to Compete for your Co-op Work Term
 - This course will be completed eight months in advance of the first scheduled work term.
3. COPB52H3/(COPD11H3) – Managing your Work Term Search & Transition to Work
 - This course will be completed four months in advance of the first work scheduled work term.
4. COPC98H3/(COPD12H3) – Integrating Your Work Term Experience Part I
 - This course will be completed four months in advance of the second scheduled work term.
5. COPC99H3/(COPD13H3) – Integrating Your Work Term Experience Part II
 - This course will be completed four months in advance of the third scheduled work term (for programs that require the completion of 3 work terms and/or four months in advance of any additional work terms that have been approved by the Arts and Science Co-op Office.

Students must be available for work terms in each of the Fall, Winter and Summer semesters and must complete at least one of their required work terms in either a Fall or Winter semester. This, in turn, requires that students take courses during at least one Summer semester.

For information on fees, status in Co-op programs, and certification of completion of Co-op programs, see the [6B.5 Co-operative Programs](#) section or the [Arts and Science Co-op](#) section in the UTSC *Calendar*.

Description of Proposed Changes:

Requirement 10: removed PSCB57H3 as an optional course

Rationale:

The department has decided to remove PSCB57H3 as an optional course because the department Physical and Environmental Sciences has added additional prerequisites to this course.

Impact: None.

Consultation: DCC Approval: September 15, 2020.

Resource Implications: None.

SPECIALIST PROGRAM IN CONSERVATION AND BIODIVERSITY (SCIENCE)

Completion Requirements:

Program Requirements

This program consists of 14.5 required credits.

A. Required Courses

First Year

1. 1.0 Credit of Introductory Biology Courses

BIOA01H3 Life on Earth: Unifying Principles

BIOA02H3 Life on Earth: Form, Function and Interactions

2. 1.0 Credit of Introductory Chemistry Courses

CHMA10H3 Introductory Chemistry I: Structure and Bonding

CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms

3. 1.0 Credit in Mathematics

Choose from:

[MATA29H3 Calculus I for the Life Sciences and MATA35H3 Calculus II for Biological Sciences] or
[MATA30H3 Calculus I for Physical Sciences and MATA36H3 Calculus II for Physical Sciences]

4. 0.5 Credit in Physics

Choose from:

PHYA10H3 Physics I for the Physical Sciences
PHYA11H3 Physics I for the Life Sciences

5. 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

6. 3.0 Credits of Biology Core Courses

BIOB10H3 Cell Biology
BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
BIOB34H3 Animal Physiology
BIOB38H3 Plants and Society
BIOB50H3 Ecology
BIOB51H3 Evolutionary Biology

BIOB90H3 Integrative Research Poster Project (CR/NCR 0.0 credit)*

* **Note** : Completion of BIOB90H3 is a graduation requirement for students in this program. Concurrent enrolment in at least one of the BIO B-level courses listed above is required for enrolment in BIOB90H3. Please see BIOB90H3 in the Calendar for important information.

7. 0.5 Credit of Biology Core Labs

BIOB52H3 Ecology and Evolutionary Biology Laboratory

8. 0.5 Credit in Statistics

Choose from:

STAB22H3 Statistics I
PSYB07H3 Data Analysis in Psychology

Third Year

9. 2.5 Credits of C-level Ecology and Evolution Foundation Courses

BIOC16H3 Evolutionary Genetics and Genomics
BIOC50H3 Macroevolution
BIOC52H3 Field Ecology
BIOC61H3 Community Ecology and Environmental Biology
BIOC63H3 Conservation Biology

Third/Fourth Year

10. 4.0 credits of C- & D-level courses from Bins 1 and 2 below. This must include at least 1.0 credit from each bin and at least 1.0 credit total at the D-level.

Bin 1: C- & D-level Ecology and Evolution Courses

Choose from:

BIOC51H3 Tropical Biodiversity Field Course
BIOC58H3 Biological Consequences of Global Change

BIOC60H3 Winter Ecology
BIOC65H3 Environmental Toxicology
(BIOC67H3) Inter-University Biology Field Course
BIOD25H3 Genomics
BIOD52H3 Biodiversity and Conservation
BIOD54H3 Applied Conservation Biology
BIOD55H3 Experimental Animal Behaviour
BIOD59H3 Models in Ecology, Epidemiology and Conservation
BIOD60H3 Spatial Ecology
BIOD62H3 Symbiosis: Interactions Between Species
BIOD63H3 From Individuals to Ecosystems: Advanced Topics in Ecology
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
BIOC40H3 Plant Physiology
BIOC54H3 Animal Behaviour
BIOC59H3 Advanced Population Ecology
BIOC62H3 Role of Zoos and Aquariums in Conservation
BIOD26H3 Fungal Biology & Pathogenesis
BIOD34H3 Conservation Physiology
BIOD37H3 Biology of Plant Stress
BIOD43H3 Animal Movement and Exercise
BIOD45H3 Animal Communication
BIOD48H3 Ornithology
BIOD53H3 Special Topics in Animal Behaviour
EESC30H3 Environmental Microbiology

BIOC90H3 Integrative Multimedia Documentary Project (CR/NCR 0.0 credit)*

* **Note** : Completion of BIOC90H3 is a graduation requirement for students in this program. Concurrent enrolment in one of the participating BIO C-level courses is required for enrolment in BIOC90H3. Please see BIOC90H3 in the Calendar for important information.

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

Description of Proposed Changes:

Requirement 5: removed PSCB57H3 as an optional course

Rationale: The department has decided to remove PSCB57H3 as an optional course because the department Physical and Environmental Sciences has added additional prerequisites to this course.

Impact: None.

Consultation: DCC Approval: September 15, 2020.

Resource Implications: None.

SPECIALIST PROGRAM IN INTEGRATIVE BIOLOGY (SCIENCE)

Completion Requirements:

Program Requirements

This program consists of 14.5 required credits.

First Year

1. 1.0 Credit of Introductory Biology Courses

BIOA01H3 Life on Earth: Unifying Principles

BIOA02H3 Life on Earth: Form, Function and Interactions

2. 1.0 Credit of Introductory Chemistry Courses

CHMA10H3 Introductory Chemistry I: Structure and Bonding

CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms

3. 1.0 Credit in Mathematics

Choose from:

[MATA29H3 Calculus I for the Life Sciences and MATA35H3 Calculus II for Biological Sciences] or

[MATA30H3 Calculus I for Physical Sciences and MATA36H3 Calculus II for Physical Sciences]

4. 0.5 Credit in Physics

Choose from:

PHYA10H3 Physics I for the Physical Sciences

PHYA11H3 Physics I for the Life Sciences

5. 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 the second year)~~

Second Year

6. 3.0 Credits of Biology Core Courses

BIOB10H3 Cell Biology

BIOB11H3 Molecular Aspects of Cellular and Genetic Processes

BIOB34H3 Animal Physiology

BIOB38H3 Plants and Society

BIOB50H3 Ecology

BIOB51H3 Evolutionary Biology

BIOB90H3 Integrative Research Poster Project (CR/NCR 0.0 credit)*

* **Note** : Completion of BIOB90H3 is a graduation requirement for students in this program. Concurrent enrolment in at least one of the BIO B-level courses listed above is required for enrolment in BIOB90H3. Please see BIOB90H3 in the Calendar for important information.

7. 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

8. 0.5 Credit in Statistics

Choose from:

STAB22H3 Statistics I
PSYB07H3 Data Analysis in Psychology

Third/Fourth Year

9. 2.5 Credits of Biology Foundation Courses

BIOC15H3 Genetics
BIOC17H3 Microbiology
[BIOC37H3 Plants: Life on the Edge or BIOC40H3 Plant Physiology]
BIOC54H3 Animal Behaviour
BIOC61H3 Community Ecology

10. 1.0 Credit of Advanced Courses in Cellular and Organismal Biology

Choose from:
BIOC12H3 Biochemistry I: Proteins and Enzymes
BIOC13H3 Biochemistry II: Bioenergetics and Metabolism
BIOC20H3 Principles of Virology
BIOC21H3 Vertebrate Histology: Cells and Tissues
BIOC23H3 Practical Approaches to Biochemistry
BIOC32H3 Human Physiology I
BIOC34H3 Human Physiology II
[BIOC37H3 Plants: Life on the Edge or BIOC40H3 Plant Physiology; whichever course is not used to fulfill Biology Foundation course requirement]
BIOC39H3 Immunology
BIOC65H3 Environmental Toxicology
NROC34H3 Neuroethology

11. 1.0 Credit of Advanced Courses in Ecology and Conservation

Choose from:
BIOC50H3 Macroevolution
BIOC51H3 Tropical Biodiversity Field Course
BIOC52H3 Ecology Field Course
BIOC58H3 Biological Consequences of Global Change
BIOC59H3 Advanced Population Ecology
BIOC60H3 Winter Ecology
BIOC62H3 Role of Zoos and Aquariums in Conservation
BIOC63H3 Conservation Biology
(BIOC67H3) Inter-University Biology Field Course
EESC04H3 Biodiversity and Biogeography

12. 1.0 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

BIOC90H3 Integrative Multimedia Documentary Project (CR/NCR 0.0 credit)*

* **Note** : Completion of BIOC90H3 is a graduation requirement for students in this program. Concurrent enrolment in one of the participating BIO C-level courses is required for enrolment in BIOC90H3. Please see BIOC90H3 in the Calendar for important information.

13. 1.0 Credit of D-Level Biology Courses

Choose from:
Any BIO D-level course offered by the Biological Sciences department.

Description of Proposed Changes:

Requirement 5: removed PSCB57H3 as an optional course

Rationale:

The department has decided to remove PSCB57H3 as an optional course because the department Physical and Environmental Sciences has added additional prerequisites to this course.

Impact: None.

Consultation: DCC Approval: September 15, 2020.

Resource Implications: None.

SPECIALIST PROGRAM IN MOLECULAR BIOLOGY AND BIOTECHNOLOGY (SCIENCE)

Completion Requirements:

Program Requirements

This program consists of 14.5 required credits.

First Year

1. 1.0 Credit of Introductory Biology Courses

BIOA01H3 Life on Earth: Unifying Principles

BIOA02H3 Life on Earth: Form, Function and Interactions

2. 1.0 Credit of Introductory Chemistry Courses

CHMA10H3 Introductory Chemistry I: Structure and Bonding

CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms

3. 1.0 Credit in Mathematics

Choose from:

[MATA29H3 Calculus I for the Life Sciences and MATA35H3 Calculus II for Biological Sciences] or

[MATA30H3 Calculus I for Physical Sciences and MATA36H3 Calculus II for Physical Sciences]

4. 1.0 Credit in Physics

[PHYA10H3 Physics I for the Physical Sciences or PHYA11H3 Physics I for the Life Sciences]

[PHYA21H3 Physics II for the Physical Sciences or PHYA22H3 Physics II for the Life Sciences]

and

0.5 Credit in Statistics

Choose from:

STAB22H3 Statistics I (this course could also be taken in the second year)

PSYB07H3 Data Analysis in Psychology (this course could also be taken in the second year)

Second Year

5. 3.0 Credits of Biology Core Courses

BIOB10H3 Cell Biology

BIOB11H3 Molecular Aspects of Cellular and Genetic Processes

BIOB34H3 Animal Physiology

BIOB38H3 Plants and Society

BIOB50H3 Ecology

BIOB51H3 Evolutionary Biology

BIOB90H3 Integrative Research Poster Project (CR/NCR 0.0 credit)*

* **Note** : Completion of BIOB90H3 is a graduation requirement for students in this program. Concurrent enrolment in at least one of the BIO B-level courses listed above is required for enrolment in BIOB90H3. Please see BIOB90H3 in the Calendar for important information.

6. 0.5 Credit of Biology Core Labs

7. 1.0 Credit of Organic Chemistry Courses

CHMB41H3 Organic Chemistry I

CHMB42H3 Organic Chemistry II

Third Year

8. 3.5 Credits of Biology C-level Courses

BIOC12H3 Biochemistry I: Proteins & Enzymes

BIOC13H3 Biochemistry II: Bioenergetics and Metabolism

BIOC15H3 Genetics

BIOC17H3 Microbiology

BIOC20H3 Principles of Virology

BIOC23H3 Practical Approaches to Biochemistry

BIOC39H3 Immunology (can be completed in third or fourth year)

9. 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~~

(computer science could also be taken in an earlier year)

Third/Fourth Year

10. 0.5 Credit of Cognate Biology Courses

Choose from:

BIOC10H3 Cell Biology: Proteins from Life to Death

BIOC14H3 Genes, Environment and Behaviour

BIOC19H3 Animal Developmental Biology

BIOC21H3 Vertebrate Histology: Cells and Tissues

BIOC31H3 Plant Development and Biotechnology

BIOC35H3 Principles of Parasitology

BIOC40H3 Plant Physiology

BIOD37H3 Biology of Plant Stress

BIOC90H3 Integrative Multimedia Documentary Project (CR/NCR 0.0 credit)*

* **Note** : Completion of BIOC90H3 is a graduation requirement for students in this program. Concurrent enrolment in one of the participating BIO C-level courses is required for enrolment in BIOC90H3. Please see BIOC90H3 in the Calendar for important information.

Fourth Year

11. 0.5 Credit in Advanced Molecular Techniques

BIOD21H3 Advanced Molecular Biology Laboratory

12. 0.5 credit of D-level Research-oriented "Cell & Molecular" Course Work

Choose from:

BIOD12H3 Protein Homeostasis

BIOD13H3 Herbology: The Science Behind Medicinal Plants

BIOD17H3 Seminars in Cellular Microbiology

BIOD19H3 Epigenetics in Health and Disease

BIOD20H3 Special Topics in Virology

BIOD22H3 Molecular Biology of the Stress Response

BIOD23H3 Special Topics in Cell Biology

BIOD25H3 Genomics

BIOD26H3 Fungal Biology and Pathogenesis

BIOD27H3 Vertebrate Endocrinology
BIOD29H3 Pathobiology of Human Disease
BIOD30H3 Plant Research and Biotechnology: Addressing Global Problems
BIOD95H3 Supervised Study in Biology
BIOD98Y3 Directed Research in Biology

Note : Any of these courses not used to satisfy this requirement may be used to fulfill the '0.5 Credit of Cognate Biology Courses'.

Description of Proposed Changes: Requirement 9: removed PSCB57H3 as an optional course

Rationale: The department has decided to remove PSCB57H3 as an optional course because the department Physical and Environmental Sciences has added additional prerequisites to this course.

Impact: None.

Consultation: DCC Approval: September 15, 2020.

Resource Implications: None.

27 Course Modifications:

BIOB10H3: Cell Biology

Exclusions: ~~(BIOB10Y3), BIO241H, (BIO250Y)~~

Rationale: The course exclusions have been revised to remove courses that have not been offered in the last 5+ years.

Consultation: DCC Approval: June 23, 2020.

Resources: None.

BIOB11H3: Molecular Aspects of Cellular and Genetic Processes

Exclusions: ~~BIOB10Y3~~, BIO230H, ~~(BIO250Y)~~

Rationale: The course exclusions have been revised to remove retired courses that have not been offered in the last 5+ years.

Consultation: DCC Approval: June 23, 2020

Resources: None.

BIOB12H3: Cell and Molecular Biology Laboratory

Corequisites: BIOB11H3 ~~or (BIOB10Y3)~~

Exclusions: ~~BIO215H~~

Rationale: The course co-requisite and exclusion has been revised to remove retired course that was last offered in 2015.

Consultation: DCC Approval: June 23, 2020

Resources: None.

BIOB34H3: Animal Physiology

Description:

An introduction to the principles of animal physiology rooted in energy usage and cellular physiology. A comparative approach is taken, which identifies both the universal and unique mechanisms present across the animal kingdom. Metabolism, thermoregulation, respiration, digestion, respiration, circulation, water regulation, nitrogen excretion, movement and neural circuits are the areas of principal focus.

Prerequisites: BIOA01H3 and BIOA02H3 and CHMA10H3 and CHMA11H3
Exclusions: BIO204H , BIO270H
Rationale: 1. The course description has been revised to better reflect the topics and content covered in this course. 2. The course prerequisite has been revised to remove redundancy 3. The course exclusion has been revised to remove course that was last offered in 2013
Consultation: DCC Approval: June 23, 2020
Resources: None.

BIOB35H3: Essentials of Human Physiology

Description: An exploration of the normal physiology of the human body. Emphasis will be placed on organ systems associated with head and neck, especially nervous, respiratory, muscular, digestive, cardiovascular, and endocrine. Particular emphasis will be placed on speech, audition, and swallowing. The interrelationship among organ systems and how they serve to maintain homeostasis and human health will also be discussed.
Exclusions: BIOC32H3 ; (BIOC33H3) , BIOC34H3, BIO210Y5, PSL201Y1
Rationale: 1. The course description has been revised to better reflect the topics and content covered in this course. It is important that speech, audition, and swallowing are emphasized in this course description for Psycholinguistic students 2. The course exclusion has been revised to remove retired course that was last offered 2016.
Consultation: DCC Approval: June 23, 2020
Resources: None.

BIOB50H3: Ecology

Description: An introduction to the main principles of ecology; ecology ; the science of the interactions of organisms with each other and with their environment. Topics include physiological behavioural population, community and applied aspects The course covers community and , ecology , provides an emphasis on how ecology relates to other areas of ecology (e.g. disease ecology , climate change impacts biology , and approaches to conservation) . Emphasis is given to understanding the connections between ecology contemporary human and other biological subdisciplines environmental issues .
Rationale: The course description has been revised to better reflect the topics and content covered in this course.
Consultation: DCC Approval: June 23, 2020
Resources: None.

BIOB51H3: Evolutionary Biology

Description: This course is an introduction to the main principles Students learn about development of evolution; the study evolutionary theory ; maintenance of the diversity genetic variation , relationships , and change over time in organisms at all scales of organization (from individuals to populations to higher taxonomic groups) . The theory and principles mechanisms of evolutionary biology give critical insight into a wide range of fields change , including conservation , genetics , medicine , pathogenesis , community ecology adaptation , and development current research topics in evolution .
Rationale: The course description has been revised to better reflect the topics and content covered in this course.

Consultation: DCC Approval: June 23, 2020.

Resources: None.

BIOC10H3: Cell Biology: Proteins from Life to Death

Prerequisites: BIOB11H3 ~~or~~ (~~BIOB10Y3~~)

Rationale: The course prerequisite has been revised to remove retired course that was last offered Summer 2015.

Consultation: DCC Approval: June 23, 2020.

Resources: None.

BIOC12H3: Biochemistry I: Proteins and Enzymes

Prerequisites: { BIOB11H3 ~~or~~ (~~BIOB10Y3~~) } and CHMB41H3

Exclusions: CHMB62H3, BCH210H, BCH242Y ; (~~BCH310H~~)

Rationale:

1. The course prerequisite has been revised to remove retired course last offered in Summer 2015.
2. The course exclusion has been revised to remove retired course last offered 2002.

Consultation: DCC Approval: June 23, 2020.

Resources: None.

BIOC13H3: Biochemistry II: Bioenergetics and Metabolism

Prerequisites: { BIOB11H3 ~~or~~ (~~BIOB10Y3~~) } and CHMB41H3

Exclusions: CHMB62H3, BCH210H, BCH242Y ; (~~BCH310H~~)

Rationale:

1. The course prerequisite has been revised to remove retired course last offered in Summer 2015.
2. The course exclusion has been revised to remove retired course last offered in 2002.

Consultation: DCC Approval: June 23, 2020.

Resources: None.

BIOC14H3: Genes, Environment and Behaviour

Prerequisites: BIOB11H3 ~~or~~ (~~BIOB10Y3~~)

Rationale: The course prerequisite has been revised to remove (BIOB10Y3) since this course was last offered in Summer 2015.

Consultation: DCC Approval: June 23, 2020.

Resources: None.

BIOC15H3: Genetics

Prerequisites: BIOB11H3 or (~~BIOB10Y3~~)

Rationale: The course prerequisite has been revised to remove retired course last offered in 2015.

Consultation: DCC Approval: June 23, 2020.

Resources: None.

BIOC16H3: Evolutionary Genetics and Genomics

Description:

Understanding the process of evolution is greatly enhanced by investigations of the underlying genes. This course introduces ~~will discuss~~ modern genetic and genomic techniques used to understand and assess microevolutionary changes at the population level ~~maintenance of genetic variation in nature~~. Topics include DNA sequence evolution, population genetics ~~molecular phylogenetics~~, quantitative genetics/genomics, positive Darwinian ~~methods of detecting~~ selection, the evolution of new genes ~~sequence alignments~~, and comparative genomics.

Rationale: The course description has been revised to better reflect the topics and content covered in this course.

Consultation: DCC Approval: June 23, 2020.

Resources: None.

BIOC17H3: Microbiology

Prerequisites: BIOB11H3 ~~or (BIOB10Y3)~~

Exclusions: MGY377H, ~~(MBY377H)~~

Rationale:

1. The course prerequisite has been revised to remove retired course last offered in 2015.
2. The course exclusion has been revised to remove retired course last offered in 2003.

Consultation: DCC Approval: June 23, 2020.

Resources: None.

BIOC19H3: Animal Developmental Biology

Prerequisites: BIOB11H3 ~~or (BIOB10Y3)~~

Rationale: The course prerequisite has been revised to remove retired course that was last offered in 2015.

Consultation: DCC Approval: June 23, 2020.

Resources: None.

BIOC21H3: Vertebrate Histology: Cells and Tissues

Prerequisites: ~~{ BIOB10H3 or (BIOB10Y3) }~~ and ~~{ (BIOB30H3) or BIOB34H3 }~~

Rationale: The course prerequisites have been revised to remove retired courses that were last offered 5+ years

Consultation: DCC Approval: June 23, 2020.

Resources: None.

BIOC31H3: Plant Development and Biotechnology

Description:

A central question of developmental biology is how ~~does~~ a single cell ~~becomes~~ ~~become~~ a complex organism. This lecture course focuses on molecular and cellular mechanisms that control developmental processes in plants, including: embryonic, vegetative ~~and~~; reproductive development; hormone signal transduction pathways; ~~plant-environment interaction analysis of mutants~~; ~~transgenic plants~~ and ~~plant their connection to~~ biotechnology.

Prerequisites: BIOB11H3 ~~or (BIOB10Y3)~~

Exclusions: CSB340H, ~~(BOT340H)~~

Rationale: 1. The course description has been revised to better reflect the topics and content covered in this course
2. The course prerequisite has been revised to remove retired course last offered in 2015.
3. The course exclusion has been revised to remove retired course last offered in 2006.

Consultation: DCC Approval: June 23, 2020.

Resources: None.

BIOC32H3: Human Physiology I

Description:

An introduction to human physiology Human Physiology covering the nervous system function of neurons , skeletal muscles the brain , hormones , and the our immune systems in both healthy and diseased states.

Exclusions: (~~BIOB30H3~~), PSL300H

Rationale: 1. The course description has been revised to better reflect the topics and content covered in this course
2. The course exclusion has been revised to remove retired course last offered in 2011.

Consultation: DCC Approval: June 23, 2020

Resources: None.

BIOC39H3: Immunology

Prerequisites: BIOB11H3 or (~~BIOB10Y3~~)

Exclusions: IMM340H, IMM341H, IMM350H, IMM351H ; (~~IMM334Y~~) ; (~~IMM335Y~~)

Rationale: 1. The course prerequisite has been revised to remove retired course last offered in 2015.
2. The course exclusion has also been revised to remove retired courses last offered in 2013.

Consultation: DCC Approval: June 23, 2020.

Resources: None.

BIOC40H3: Plant Physiology

Prerequisites: BIOB11H3 or (~~BIOB10Y3~~)

Rationale: The course prerequisite has been revised to remove retired course last offered in 2015.

Consultation: DCC Approval: June 23, 2020.

Resources: None.

BIOC54H3: Animal Behaviour

Description:

Survey of the study of animal behaviour with ; emphasis on understanding behavioural patterns in the context of evolutionary theory. Topics include sexual selection and conflict, parental care, social behaviour, conflict and hypothesis testing in behavioural research.

Exclusions: EEB322H, (~~ZOO322H~~)

Rationale: 1. The course description has been revised to better reflect the topics and content covered in this course
2. The course exclusion has been revised to remove retired course last offered in 2006.

Consultation: DCC Approval: June 23, 2020.

Resources: None.

BIOD25H3: Genomics

Enrolment Limits: ~~25~~-35

Rationale: The enrolment limit has been increased to keep the enrolment cap consistent with other D-level courses.

Consultation: DCC Approval: September 15, 2020.

Resources: None.

BIOD27H3: Vertebrate Endocrinology

Prerequisites: BIOB34H3 or BIOC32H3 or BIOC34H3

Recommended Preparation: BIOC34H3

Rationale: The recommended preparation course has been removed and added as a prerequisite to better prepare students for this course.

Consultation: DCC Approval: June 23, 2020.

Resources: None.

BIOD37H3: Biology of Plant Stress

Prerequisites: † BIOB11H3 ~~or (BIOB10Y3)~~ † and [BIOC31H3 or BIOC40H3]

Rationale: The course prerequisite has been revised to remove retired course that was last offered in 2015.

Consultation: DCC Approval: June 23, 2020.

Resources: None.

BIOD59H3: Models in Ecology, Epidemiology and Conservation

Description:

Modelling is a critical tool for describing the complex dynamics of ecosystems and for addressing ~~used to address~~ urgent ~~resource~~ management questions in ecology, epidemiology and conservation. In this ~~This~~ practical introduction, students learn how to formulate ecological and epidemiological models, link them to data, and implement / analyze them using computer simulations. The course includes approaches for modelling individuals, populations, ~~species interactions~~, and communities, with applications in: ~~Applications include~~ population viability assessments, natural resource management and food security, invasive species and pest control, disease eradication, and climate change mitigation. While not a requirement, some experience with computer programming will be beneficial for this course.

Rationale: The course description has been revised to better reflect the topics and content covered in this course.

Consultation: DCC Approval: June 23, 2020.

Resources: None.

BIOD63H3: From Individuals to Ecosystems: Advanced Topics in Ecology

Description:

This lecture/seminar course will discuss advanced topics in behavioural ecology, ecosystem and landscape ecology, and evolutionary ecology, with an emphasis on the impacts of past and present species interactions. Topics ~~Students~~ will vary based on current scientific literature ~~work both independently~~ and student interests. This ~~collaboratively throughout the~~ course will ~~to~~ strengthen the ~~their~~ research, writing, and presentation skills of students while deepening their understanding of ecology.

Rationale: The course description has been revised to better reflect the topics and content covered in this course.

Consultation: DCC Approval: June 23, 2020.

Resources: None.

BIOD65H3: Pathologies of the Nervous System

Prerequisites: ~~{ BIOB11H3 or (BIOB10Y3) }~~ and [0.5 credits from the following ~~one~~ of :BIOC32H3, NROC61H3, NROC64H3 or NROC69H3]

Exclusions: ~~(NROD65H3)~~

Rationale: 1. The course prerequisite has been revised to remove retired course last offered in 2015 and correct Calendar language
2. The course exclusion has also been revised to remove retired course that was last offered in 2007.

Consultation: DCC Approval: June 23, 2020.

Resources: None.

Critical Development Studies (UTSC), Centre for

5 Minor Program Modifications:

MAJOR PROGRAM IN INTERNATIONAL DEVELOPMENT STUDIES (ARTS)

Completion Requirements:

Program Requirements

This program requires 8.0 credits of which at least 2.0 credits must be at the C- or D-level.

1. Introduction to International Development Studies (0.5 credit)

IDSA01H3 Introduction to International Development Studies

2. Core courses in International Development (1.5 credits)

1.5 credits from the following:

IDSB01H3 Political Economy of International Development

IDSB02H3 Development and Environment

IDSB04H3 Introduction to International/Global Health

IDSB06H3 Equity, Ethics and Justice in International Development

IDSB07H3 Confronting Development's Racist Past and Present

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

and

0.5 credit in quantitative/statistical methods from the following:

ANTC35H3 Quantitative Methods in Anthropology

MGEB11H3 Quantitative Methods in Economics I

GGRA30H3 Geographic Information Systems (GIS) and Empirical Reasoning

GGRB30H3 Fundamentals of GIS I

HLTB15H3 Introduction to Health Research Methodology

STAB23H3 Introduction to Statistics for the Social Sciences

and

0.5 credit in qualitative methods from the following:

ANTB19H3 Ethnography and the Comparative Study of Human Societies
HLTC04H3 Analyzing Qualitatively in Critical Qualitative Health and Society Research Methods
GGRC31H3 Qualitative Geographical Methods: Place and Ethnography
POLC78H3 Political Analysis I
WSTB05H3 Understanding Power and Knowledge in Research

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 program in IDS with at least 1.0 credit from each of TWO of the clusters. POLB91H3 may be counted toward this requirement.

Description of Proposed Changes:

1. Requirement 2: IDSB07H3 has been added as an optional course
2. Requirement 3: HLTC04H3 course title change

Rationale:

1. This course will provide students with an additional B-level course to complete the program requirement
2. Course title change is necessary to ensure consistency throughout the Calendar

Impact: None.

Consultation: DCC Approval: October 8, 2020

Resource Implications: None.

MINOR PROGRAM IN AFRICAN STUDIES (ARTS)

Completion Requirements:

Program Requirements

Students must complete 4.0 credits, 1.0 credit of which must be at the C- or D-level

1. 1.0 credit as follows:

AFSA01H3/HISA08H3 Africa in the World: An Introduction
AFSB01H3/HISB52H3 African Religious Traditions Through History

2. 1.0 credit from the following (students should check course descriptions for prerequisites):

AFSA03H3/IDSA02H3 Experiencing Development in Africa
AFSB05H3/ANTB05H3 Culture and Society in Africa
AFSB50H3/HISB50H3 Africa in the Era of the Slave Trade
AFSB51H3/HISB51H3 Africa from the Colonial Conquests to Independence
AFSB54H3/HISB54H3 Africa in the Postcolonial Era
AFSC30H3/HISC96H3 Language and Society in the Arab World
AFSC52H3/HISC52H3/VPHC52H3 Ethiopia: Seeing History
AFSC53H3/WSTC10H3 Gender and Critical Development
AFSC55H3/HISC55H3 War and Society in Modern Africa
AFSC70H3/HISC70H3 The Caribbean Diaspora
AFSC97H3/HISC97H3 Women and Power in Africa
AFSD07H3/IDSD07H3 Extractive Industries in Africa
AFSD51H3/HISD51H3 Southern Africa: Colonial Rule, Apartheid and Liberation
AFSD52H3/HISD52H3 East African Societies in Transition
AFSD53H3/GASD53H3/HISD53H3 Africa and Asia in the First World War

3. 2.0 credits from the following list (students should check course descriptions for prerequisites):

Note: Though not required, students are encouraged to specialize in one of the areas of concentration below.

Africa the Continent

AFSA03H3/IDSA02H3 Experiencing Development in Africa (if not used in Requirement 2)
AFSB05H3/ANTB05H3 Culture and Society in Africa (if not used in Requirement 2)
AFSB50H3/HISB50H3 Africa in the Era of the Slave Trade (if not used in Requirement 2)
AFSB51H3/HISB51H3 Africa from the Colonial Conquests to Independence (if not used in Requirement 2)

AFSB54H3/HISB54H3 Africa in the Postcolonial Era (if not used in Requirement 2)
~~AFSC30H3 / HISC96H3 Language and Society in the Arab World~~ (if not used in Requirement 2)
AFSC52H3/HISC52H3/VPHC52H3 Ethiopia: Seeing History (if not used in Requirement 2)
AFSC53H3/WSTC10H3 Gender and Critical Development (if not used in Requirement 2)
AFSC55H3/HISC55H3 War and Society in Modern Africa (if not used in Requirement 2)
~~AFSC70H3 / HISC70H3 The Caribbean Diaspora~~ (if not used in Requirement 2)
AFSC97H3/HISC97H3 Women and Power in Africa (if not used in Requirement 2)
AFSD07H3/IDSD07H3 Extractive Industries in Africa (if not used in Requirement 2)
AFSD51H3/HISD51H3 Southern Africa: Colonial Rule, Apartheid and Liberation (if not used in Requirement 2)
AFSD52H3/HISD52H3 East African Societies in Transition (if not used in Requirement 2)
AFSD53H3/GASD53H3/HISD53H3 Africa and Asia in the First World War (if not used in Requirement 2)
(ANTC06H3) African Cultures and Societies II: Case Studies
ENGB22H3 Contemporary Literature from Africa
ENGD08H3 Topics ~~CLAC05H3 Environment, Society and Economy~~ in African Literature
GGRC25H3 Land Reform ~~Ptolemaic~~ and Development ~~Roman Egypt~~
HISD50H3 Southern Africa: Conquest and Resistance, 1652-1900
POLC80H3 International Relations of Africa
VPHB50H3 Africa through the Photographic Lens
(VPHB65H3) Exhibiting Africa: Spectacle and the Politics of Representation
Note: We that students interests in courses ~~ENGB17H3 Contemporary Literature~~ from
the above customer expanded their language skills in Swahili

The Black Diaspora
AFSC70H3 / HISC70H3 The Caribbean Diaspora (if not used in Requirement 2)
ENGB17H3 ~~ENGB22H3~~ Contemporary Literature from the Caribbean ~~Africa~~
~~ENGC51H3 Contemporary Arab Women Writers~~
ENGC14H3 Black Canadian ~~ENGD08H3 Topics in African~~ Literature
ENGD13H3 Rap Poetics
(ENGD61H3) James Baldwin, the African American Experience, and the Liberal Imagination
~~FREA01H3 Language Practice I~~
~~FREA02H3 Language Practice II~~
~~FREB01H3 Language Practice III~~
~~FREB28H3 The Francophone World~~ ~~FREB02H3 Language Practice IV~~
FREB35H3 Francophone Literature
FREC47H3 Pidgin and Creole Languages
FREC83H3 Cultural Identities and Stereotypes ~~FRED14H3 Advanced Topics~~ in the French-
Speaking World ~~Literature of Québec~~
~~GGRB28H3 Geographies of Disease~~
HISB02H3 The British Empire: A Short History ~~GGRC25H3 Land Reform and Development~~
HISC08H3 Colonialism on Film
HISC09H3 Pirates of the Caribbean
HISC34H3 Race, Segregation, Protest: South Africa and the United States
HISC39H3 Hellhound on My Trail: Living the Blues in the Mississippi Delta, 1890-1945
HISC68H3 Constructing the Other ~~HISD50H3 Southern Africa: Orientalism through Time~~ ~~Conquest~~ and Place
~~Resistance; 1652-1900~~
HISD70H3 History of Empire and Foods

North Africa and the Middle East
AFSC30H3 / HISC96H3 Language and Society in the Arab World (if not used in Requirement 2)
CLAC05H3 Environment ~~HLTD27H3 Food Security, Food Sovereignty~~, Society and Economy in Ptolemaic an
d Roman Egypt
ENGC51H3 Contemporary Arab Women Writers
HISC96H3 Language and Society in the Arab World
HISD63H3 The Crusades: I
HISD64H3 The Crusades: II ~~Health~~
(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~~
 POLC96H3 State Formation (~~VPHB65H3~~) ~~Exhibiting Africa: Spectacle~~ and Authoritarianism in the Middle East
 POLC97H3 Protest Politics in the Middle East of ~~Representation~~
 SOCC29H3 Family ~~WSTB09H3 Gender, Race, and Gender in the Middle East~~ ~~Colonialism~~
 WSTC13H3 Women, Gender and Islam

Africa ~~WSTC26H3 Critical Race~~ and Toronto
 CITC01H3 Urban Communities and Neighbourhoods Case Study: East Scarborough
 FREC10H3 Community-Based Learning in the Francophone Community
 GGRC33H3 The Toronto Region
 HISC45H3 Immigrants and Race Relations in Canadian History
 SOCD21H3 Immigrant Scarborough
 WSTB06H3 Women in Diaspora ~~Black Feminist Theories~~

Note : Not all courses in Requirement #2 and #3 are offered every year.

Description of Proposed Changes:

1. Requirement 3: re-organized to reflect four areas of concentration in the curriculum: Africa the Continent, the Black Diaspora, North Africa and the Middle East, and Africa and Toronto. Added note.
2. Requirement 3: FRED14H3 has been removed as an optional course. The following courses have been added as optional courses: ENGC14H3, HISB02H3, HISC09H3, HISC68H3, HISC70H3, HISD70H3, HISD63H3, HISD64H3, POLC96H3, POLC97H3, SOCC29H3, CITC01H3, FREC10H3, FREC83H3, GGRC33H3, HISC45H3, SOCD21H3, and WSTB06H3 Women in Diaspora

Rationale:

1. Requirement 3 has been re-organized to reflect four areas of concentration in the curriculum because it will provide a more guided format for course selection for students and provide more context about some of the core thematic areas within the program. The added note informs students about the recommendation to select courses from either one or two areas.
2. FRED14H3 has been removed as an optional course since it is no longer relevant to this program requirement.
3. Added additional B, C and D-level optional courses that fit into the new four concentration areas. This provides students more options in diverse topics to complete this program requirement.

Impact: None.

Consultation:

DCC Approval: October 9, 2020
 Consultation:
 Approval from the Department of Human Geography: October 5, 2020
 Approval from the Department of Historical and Cultural Studies: October 8, 2020
 Approval from the Department of Languages: October 6, 2020
 Approval from the Department of Political Science: October 5, 2020
 Approval from the Department of Sociology: October 6, 2020

Resource Implications: None.

MINOR PROGRAM IN INTERNATIONAL DEVELOPMENT STUDIES (ARTS)

Completion Requirements:

Program Requirements

This program requires the completion of 4.0 credits, of which at least 1.0 credit must be at the C- or D-level.

1. Introduction to International Development Studies (0.5 credit)

IDSA01H3 Introduction to International Development Studies

2. Core courses in International Development (1.5 credits)

Choose from the following:

IDSB01H3 Political Economy of International Development*

IDSB02H3 Development and Environment

IDSB04H3 Introduction to International/Global Health

IDSB06H3 Equity, Ethics and Justice in International Development

IDSB07H3 Confronting Development's Racist Past and Present

POLB90H3 Comparative Development in International Perspective

*Students interested in IDSB01H3 are cautioned that it contains prerequisites not included in this offering.

3. Specialized Courses (2.0 credits)

2.0 credits from the courses listed in Requirement 5 of the Specialist BA in International Development Studies, of which at least 1.0 credit must be at the C- or D-level. POLB91H3 may be counted toward this requirement.

Description of Proposed Changes:

Requirement 2: IDSB07H3 has been added as an optional course

Rationale:

This course will provide students with an additional B-level course option to complete the program requirement

Impact: None.

Consultation: DCC Approval: October 8, 2020

Resource Implications: None.

SPECIALIST PROGRAM IN INTERNATIONAL DEVELOPMENT STUDIES (ARTS)

Completion Requirements:

Program Requirements

This program requires the completion of 13.0 credits, of which at least 4.0 credits must be at the C- or D-level including at least 1.0 credit at the D-level.

1. Introduction to International Development Studies (2.0 credits as follows)

IDSA01H3 Introduction to International Development Studies

[MGEA01H3 Introduction to Microeconomics *or* MGEA02H3 Introduction to Microeconomics: A Mathematical Approach]

[MGEA05H3 Introduction to Macroeconomics *or* MGEA06H3 Introduction to Macroeconomics: A Mathematical Approach]

EESA01H3 Introduction to Environmental Science

2. Core courses in International Development (at least 3.0 credits from among the following as follows)

IDSB01H3 Political Economy of International Development

IDSB02H3 Development and Environment

IDSB04H3 Introduction to International/Global Health

IDSB06H3 Equity, Ethics and Justice in International Development

IDSB07H3 Confronting Development's Racist Past and Present

POLB90H3 Comparative Development in International Perspective

POLB91H3 Comparative Development in Political Perspective

Note: We highly recommend that students select IDSB07H3 as part of their core B-level courses. Students in the IDS co-op program must complete IDSB07H3 prior to enrolling in IDSC01H3.

3. Methods for International Development Studies (1.5 credits as follows)

IDSC04H3 Project Management I

and

0.5 credit in Quantitative/statistical methods from the following:

ANTC35H3 Quantitative Methods in Anthropology

MGEB11H3 Quantitative Methods in Economics I

GGRA30H3 Geographic Information Systems (GIS) and Empirical Reasoning

GGRB30H3 Fundamentals of GIS I

HLTB15H3 Introduction to Health Research Methodology
STAB23H3 Introduction to Statistics for the Social Sciences

and

0.5 credit in Qualitative methods from the following:

ANTB19H3 Ethnography and the Comparative Study of Human Societies
GGRC31H3 Qualitative Geographical Methods: Place and Ethnography
HLTC04H3 Analyzing Qualitatively in Critical Qualitative Health and Society Research Methods
POLC78H3 Political Analysis I
WSTB05H3 Understanding Power and Knowledge in Research

4. Research in International Development Requirement (0.5 credit):

IDSD02H3 Advanced Research Seminar in Critical Development Studies ÷ Theory and Policy

5. Specialized Courses: Approaches to International Development (6.0 credits)

A minimum of 2.0 credits must be chosen from two different clusters below for a total of 4.0 credits. The other 2.0 credits may be selected from any of the courses listed below, and IDSA02H3/AFSA03H3, IDSC07H3, IDSC10H3, IDSC15H3, IDSC20H3, IDSC21H3 IDSD10H3, IDSD12H3 and IDSD13H3, IDSD14H3 and IDSD15H3 may also be counted towards the completion of this requirement.

Media and Development

ANTB09H3 Culture from Film and Media
ANTC53H3 Anthropology of Media and Publics
ENGC84H3 Cinema and Migration
GASC40H3/MDSC40H3 Chinese Media and Politics
GASC41H3/MDSC41H3 Media and Popular Culture in East Asia
IDSB10H3 Political Economy of Knowledge Technology and Development
IDSC08H3 Media and Development
MDSA01H3 Introduction to Media Studies
MDSB05H3/GASB05H3 Media and Globalization
MDSB10H3 Technology, Culture and Society
MDSB15H3 Social Media, Platform Politics and Digital Cultures
MDSB61H3 Mapping New Media
MGEC20H3 Economics of Media
MDSC62H3 Media, Journalism and Digital Labour
SOCC44H3 Media and Society
THRC20H3/(VPDC13H3) Theatre and Social Justice
VPHB50H3 Africa Through the Photographic Lens
WSTB13H3 Gender, Media and Culture

Culture and Society

ANTB05H3/AFSB05H3 Culture and Society in Africa
ANTB18H3 Development, Inequality and Social Change in Latin America
ANTB20H3 Ethnography and the Global Contemporary
ANTB64H3 Are You What You Eat?: The Anthropology of Food
ANTC10H3 Anthropological Perspectives on Development
ANTC34H3 The Anthropology of Transnationalism
ANTC52H3 The Global Politics of Language
ANTC59H3 Anthropology of Language and Media
ANTC66H3 Anthropology of Tourism
GASC43H3 Colonialism and Cultures in Modern East Asia
GGRD14H3 Social Justice and the City
HISB50H3 Africa in the Era of the Slave Trade
HISB51H3/AFSB51H3 Africa from the Colonial Conquests to Independence
HISB54H3 Africa in the Postcolonial Era
HISB57H3/GASB57H3 Sub-Continental Histories: South Asia in the World
HISC29H3 Global Commodities: Nature, Culture, History
HISC55H3/AFSC55H3 War and Society in Modern Africa
HISD51H3/AFSD51H3 Southern Africa: Colonial Rule, Apartheid and Liberation

IDSD06H3 Feminist and Postcolonial Perspectives in Development Studies
MUZC01H3 / (VPMC01H3) Exploring Community Music
MUZD01H3 / (VPMD01H3) Senior Seminar : Music in Our Communities
PHLB05H3 Social Issues
SOCB58H3 Sociology of Culture
SOCB70H3 Social Change
SOCC25H3 Ethnicity, Race and Migration
SOCC29H3 Family and Gender in the Middle East
SOCC34H3 Migrations & Transnationalisms
SOCC58H3 Global Transformations: Politics, Economy & Society
~~VPMC01H3 Exploring Community Music~~
~~VPMD01H3 Senior Seminar : Music in Our Communities~~

Economics of Development

ANTC19H3 Producing People and Things: Economics and Social Life
MGEB32H3 Economic Aspects of Public Policy
MGEB60H3 Comparative Economic Systems
MGEC21H3 Classics in the History of Economic Thought
MGEC61H3 International Economics: Finance
MGEC62H3 International Economics: Trade Theory
MGEC81H3 Economic Development
MGEC82H3 International Aspects of Development Policy
MGED63H3 Financial Crises: Causes, Consequences and Policy Implications
IDSC12H3 Economics of Small Enterprise and Micro-Credit
IDSC14H3 The Political Economy of Food
GGRC48H3 Geographies of Urban Poverty
POLC69H3 Political Economy: International and Comparative Perspectives
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
ESTC34H3 Sustainability in Practice
ESTC36H3 Knowledge, Ethics and Environmental Decision-Making
GGRB21H3 Political Ecology: Nature, Society and Environmental Change
GGRC10H3 Urbanization and Development
GGRC25H3 Land Reform and Development
GGRC26H3 Geographies of Environmental Governance
GGRC28H3 Indigenous Peoples, Environment and Justice
GGRC44H3 Environmental Conservation and Sustainable Development
GGRD49H3 Land and Land Conflicts in the Americas
IDSC02H3 Environmental Science and Evidence-Based Policy
IDSD07H3/AFSD07H3 Extractive Industries in Africa
PHLB02H3 Environmental Ethics
WSTB20H3/(WSTC20H3) Women, the Environment, and Change

Gender, Health and Development

ANTC14H3 Feminism and Anthropology
ANTC15H3 Genders and Sexualities
ANTC24H3 Culture, Mental Illness, and Psychiatry
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
POLC79H3 Feminist Political Thought
POLC94H3 Globalization, Gender and Development

WSTB10H3 Women, Power and Protest
WSTB11H3 Intersections of Inequality
WSTC10H3/AFSC53H3 Gender and Critical Development

Politics and Policy

ANTC32H3 Political Anthropology
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 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 Advanced Topics in International Security
POLD87H3 Rational Choice and International Cooperation
POLD89H3 Global Environmental Politics
POLD90H3 Public Policy and Human Development in the Global South
POLD91H3 Protests and Social Movements in Comparative Perspective
POLD92H3 Survival and Demise of Dictatorships
POLD94H3 Selected Topics on Developing Areas

Description of Proposed Changes:

1. Requirement 2: IDSB07H3 has been added as an optional course. Recommendation note added
2. Requirement 3: HLTC04H3 course title change
3. Requirement 4: IDSD07H3 course title change
3. Requirement 5: IDSC21H3 has been added as an optional course. VPMC01H3/D01H3 course code changes

Rationale:

1. This course will provide students with an additional B-level option to complete the requirement and a recommendation note has been added to encourage students to take this optional course as it is considered a core course.
2. Course title change is necessary to ensure consistency throughout the Calendar
3. Course title change is necessary to ensure consistency throughout the Calendar
4. This course will provide students with an additional C-level option to complete the requirement. Course code changes are necessary to ensure consistency through the Calendar.

Impact: None.

Consultation: DCC Approval: October 8, 2020

Resource Implications: None.

**SPECIALIST PROGRAM IN INTERNATIONAL DEVELOPMENT STUDIES
(SCIENCE)**

Completion Requirements:

Program Requirements:

This program requires 13.5 credits of which at least 4.0 credits must be at the C-or D- level including at least 1.0 credit at

the D-level.

1. Introduction to Sciences and International Development Studies (4.5 credits):

IDSA01H3 Introduction to International Development Studies

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

EESA01H3 Introduction to Environmental Science

EESA06H3 Introduction to Planet Earth

[MGEA01H3 Introduction to Microeconomics or MGEA02H3 Introduction to Microeconomics: A Mathematical Approach]

[MGEA05H3 Introduction to Macroeconomics or MGEA06H3 Introduction to Macroeconomics: A Mathematical Approach]

2. Core courses in International Development (at least 2.0 credits from among the following):

IDSB01H3 Political Economy of International Development

IDSB02H3 Development and Environment

IDSB04H3 Introduction to International/Global Health

IDSB06H3 Equity, Ethics and Justice in International Development

IDSB07H3 Confronting Development's Racist Past and Present

Note : We highly recommend students enroll in IDSB07H3 as part of their core B-level courses . Students in the IDS co-op program must complete IDSB07H3 prior to enrolling in IDSC01H3 .

3. Core Courses in Environmental Biology (2.5 credits):

BIOB50H3 Ecology

BIOB51H3 Evolutionary Biology

EESB03H3 Principles of Climatology

EESB05H3 Principles of Soil Science

EESB16H3 Feeding Humans - The Cost to the Planet

4. Methods for International Development Studies (1.5 credits):

IDSC04H3 Project Management I

STAB22H3 Statistics I (or equivalent)

and

0.5 credit from the following:

GGRA30H3 Geographic Information Systems (GIS) and Empirical Reasoning

EESC03H3 Geographic Information Systems and Remote Sensing

5. Advanced courses in Environmental Biology (2.0 credits, of which 0.5 credit must be at the D-level):

Choose from:

BIOC37H3 Plants: Life on the Edge

BIOC58H3 Biological Consequences of Global Change

BIOC61H3 Community Ecology and Environmental Biology

BIOC62H3 Role of Zoos and Aquariums in Conservation

BIOC63H3 Conservation Biology

EESC04H3 Biodiversity and Biogeography

BIOD54H3 Applied Conservation Biology

EESD06H3 Climate Change Impact Assessment

6. Environmental Science in Practice (0.5 credit):

Choose from:

EESC13H3 Environmental Impact Assessment and Auditing

(GGRC22H3) Political Ecology Theory and Applications

GGRC26H3 Geographies of Environmental Governance

GGRC44H3 Environmental Conservation and Sustainable Development

IDSC02H3 Environmental Science and Evidence-Based Policy

7. Research in International Development Requirement (0.5 credit):IDSD02H3 Advanced **Research** Seminar in Critical Development Studies ÷ **Theory and Policy****Description of Proposed Changes:**

1. Requirement 2: IDSB07H3 has been added as an optional course. Recommendation note added
2. Requirement 7: IDSD02H3 title change

Rationale:

1. This course will provide students with an additional B-level option to complete the requirement and a recommendation note has been added to encourage students to take this optional course as it is considered a core course.
2. Course title change is necessary to ensure consistency throughout the Calendar

Impact: None**Consultation:** DCC Approval: October 8, 2020**Resource Implications:** None.**3 Course Modifications:****IDSC01H3: Research Design for Development Fieldwork**

Prerequisites: [**IDSA01H3** and 9.0 **full** credits **in total** including : **IDSA01H3** and **IDSB07H3**] and [at least 6.0 credits satisfying **Specialist Co-op Program in International Development Studies** Requirements 1 through 4] **of the Specialist Co-op program**

Rationale: The prerequisites are changing to include the new course IDSB07H3 that will better prepare students for this course. .

Consultation: DCC Approval: Oct 8, 2020**Resources:** None.**IDSD02H3: Advanced Seminar in Critical Development Studies: Theory and Policy****Title:** Advanced **Research** Seminar in Critical Development Studies ÷ **Theory and Policy****Description:**

An advanced seminar in critical development **studies theory and policy**; with an emphasis on perspectives and theories from the global South. **The main purpose Students will write a series of the course is theoretical reflections on contemporary policy issues**; **that contributes** to help prepare students theoretically and methodologically for the writing of a major research **final critical development theory** paper based on secondary data collection. The theoretical focus on the course **Students will depend on present** the interests **results** of the faculty member teaching it **their thinking in a conference setting**.

Rationale: The course title and description have been revised to better reflect the focus of this course.

Consultation: DCC Approval: October 8, 2020**Resources:** None.**IDSD06H3: Feminist and Postcolonial Perspectives in Development Studies**

Prerequisites: 12.0 credits including: IDSA01H3 and IDSB07H3

Rationale: The course prerequisite has been revised to ensure students are better prepared for this course

Consultation: DCC Approval: October 8, 2020**Resources:** None.

1 Course Modification:

ENGB39H3: Tolkien's Middle Ages

Description:

~~This course considers the relationship between modern fantasy and medieval literature through the work of J.R.R. Tolkien. A professor of medieval literature at Oxford, Tolkien used his academic research to develop the mythology, language, and literature of Middle Earth. This course will survey both Tolkien's writing, including the *Lord of the Rings* trilogy, and the medieval poetry that inspired it, from Old English heroic epic to Welsh folklore. Throughout, we will consider how and why the middle ages offer such compelling material for 20th and 21st-century fantasy.~~ This course will explore Tolkien's writing, including selections from the Lord of the Rings trilogy, together with the medieval poetry that inspired it. We will consider how the encounter with medieval literature shapes Tolkien's attitudes toward themes including ecology, race, gender, and history.

Rationale: The course description has been revised to better reflect the topics and content covered in this course

Consultation: DCC Approval: September 18, 2020.

Resources: None.

4 Minor Program Modifications:

MAJOR PROGRAM IN HISTORY (ARTS)

Description:

Undergraduate Advisor: 416-208-2923 416-287-7184 Email: history-undergrad-advisor@utsc.utoronto.ca

Completion Requirements:

Program Requirements

Students must complete at least 7.0 credits in History . ; ~~including :~~

- 1. 1.0 credit from the following:**
 - HISA04H3 Themes in World History I
 - HISA05H3 Themes in World History II
 - HISA06H3/GASA01H3 Introducing Global Asia and its Histories
 - HISA07H3/CLAA04H3 The Ancient Mediterranean World
 - HISA08H3/AFSA01H3 Africa in the World: An Introduction
 - HISA09H3 Capitalism: A Global History

- 2. 0.5 credit as follows:**
 - HISB03H3 Critical Writing and Research for Historians

- 3. 3.0 credits at the C- or D-level**

- 4. Additional 2.5 credits in History**

~~5. history and at the~~

5. Within the above 7.0 credits required , students must also complete:

1.5 credits must deal with a period prior to 1800

and

1.0 credit in Canadian History

and

At least 0.5 credit in two of the following areas of history

- a. United States and Latin America
- b. Medieval
- c. European
- d. Africa and Asia
- e. Transnational
- f. Ancient World

Description of Proposed Changes:

1. Requirement 4: Increased requirement from 1.5 credits to 2.5 credits. Removed with the wording to "the period prior to 1800" and added "History"
2. Requirement 5: The wording for the program requirements has been revised.

Rationale:

1. Increase credit requirement by 1.0 to ensure the total credit requirement is not impacted
2. The wording of the program requirements has been revised to provide students with better clarity of how to complete the requirements and reduce confusion. The requirements themselves have not changed.

Impact: None.

Consultation: DCC Approval: October 8, 2020.

Resource Implications: None.

MAJOR PROGRAM IN WOMEN'S AND GENDER STUDIES (ARTS)

Completion Requirements:

Program Requirements

Students must complete 7.0 credits as follows:

1. 1.0 credit from the following

- WSTA01H3 Introduction to Women's and Gender Studies
- WSTA03H3 Introduction to Feminist Theories and Thought

2. WSTB05H3 Understanding Power and Knowledge in Research

3. WSTB11H3 Intersections of Inequality

4. WSTC02H3 Feminist Qualitative Research in Action

5. 2.5 additional credits in WST courses from the list below, of which at least 0.5 credit must be at the C-level, and a further 1.0 credit must be at the D-level (including 0.5 credit from WSTD03H3 or WSTD04H3 or WSTD09H3 or WSTD10H3)

- WSTB06H3 Women in Diaspora
- WSTB09H3 Gender, Race, and Colonialism
- WSTB10H3 Women, Power and Protest
- WSTB12H3 Women, Violence and Resistance
- WSTB13H3 Gender, Media and Culture

WSTB20H3/(WSTC20H3) Women, the Environment, and Change
WSTB25H3 LGBTQ History, Theory and Activism
WSTC10H3/AFSC53H3 Gender and Critical Development
WSTC12H3 Writing the Self: Global Women's Autobiographies
WSTC13H3 Women, Gender and Islam
WSTC14H3 Women, Community and Policy Change
WSTC16H3 Criminalized Women: Gender, Justice and the Law
WSTC22H3 Gender and Film
WSTC23H3 Community Engagement Practicum
WSTC24H3 Gender in the Kitchen
WSTC25H3 Transnational Sexuality
WSTC26H3 Critical Race and Black Feminist Theories
WSTC28H3/LINC28H3 Language and Gender
WSTC30H3 Special Topics in Women's and Gender Studies
WSTC31H3 Special Topics in Women's and Gender Studies
WSTC40H3 Gender and Disability

WSTC66H3/

HISC66H3 Histories of Gender and Sexuality in Muslim Societies : Between Law , Ethics and Culture

WSTD01H3 Independent Project in Women's and Gender Studies
WSTD03H3 Senior Seminar in Sex, Gender and the Body
WSTD04H3 Senior Seminar in Gender, Equity and Human Rights
WSTD07H3 Themes in the History of Childhood and Culture
WSTD09H3 Race, Gender, and Islamophobia
WSTD10H3 **Advanced Methods: Telling and The Power of Story for Social Change**
WSTD11H3 Special Topics in Women's and Gender Studies
WSTD16H3/HISD16H3 Socialist Feminism in Global Context
WSTD30H3/GASD30H3 Gender and Techno-Orientalism
WSTD46H3/HISD46H3 Selected Topics in Canadian Women's History

6. 2.0 credits from the course list below:

AFSC97H3/HISC97H3 Women and Power in Africa
ANTC14H3 Feminism and Anthropology
ANTC15H3 Genders and Sexualities
ANTD01H3 The Body in Culture and Society
ENGB50H3 Women and Literature: Forging a Tradition
[(ENGB51H3) or ENGC54H3 Gender and Genre]
ENGB74H3 The Body in Literature and Film
(ENGC77H3)/(VPAC48H3) The Body in Contemporary Culture: Theories and Representations
ENGC34H3 Early Modern Women and Literature: 1500-1700
ENGC51H3 Contemporary Arab Women Writers
ENGD80H3 Women and Canadian Writing
GASB20H3 Gender and Social Institutions in Asia
GASC20H3 Gendering Global Asia
GASD20H3 Advanced Seminar: Social Change and Gender Relations in Chinese Societies
GASD56H3 /HISD56H3 'Coolies' and Others: Asian Labouring Diasporas in the British
GGRD09H3 Feminist Geographies
GGRD10H3 Health and Sexuality
HISC45H3 Immigrant and Race Relations in Canadian History
HISD30H3 Gendering America
Empire
HLTC02H3 Women and Health: Past and Present
HLTC46H3 Gender, Health and Society
IDSD06H3 Feminist and Postcolonial Perspectives in Development Studies
MGHC23H3/(MGTC23H3) Diversity in the Workplace
PHLB13H3 Philosophy and Feminism
POLC94H3 Globalization, Gender and Development
PSYD18H3 Psychology of Gender

SOCB22H3 Sociology of Gender
SOCB49H3 Sociology of Family
SOCC09H3 Sociology of Gender and Work
SOCC24H3 Special Topics in Gender and Family
SOCC29H3 Family and Gender in the Middle East
SOCC38H3 Gender and Education
(VPHB57H3) Women in the Arts: Hot Mamas, Amazons, and Madonnas

Description of Proposed Changes:

1. Requirement 5: WSTC66H3/HISC66H3 is being added as a course option. WSTD10H3 course title change
2. Requirement 6: HISD30H3 has been removed as a course option. GASD56H3 has been added as a double numbered course code for HISD56H3.

Rationale:

1. WSTC66H3/HISC66H3 has been added as a course option due to its relevance to the program. All course title changes are necessary to ensure consistency and accuracy throughout the Calendar
2. HISD30H3 has been removed as a course option as it is being retired.3. GASD56H3 has been added as a double numbered course code for HISD56H3 because it was not previously listed.

Impact: None

Consultation: DCC Approval: October 8, 2020.

Resource Implications: None

MINOR PROGRAM IN CLASSICAL STUDIES (ARTS)

Description:

Undergraduate Advisor: 416-208-2923 416-287-7184 Email: classics-undergrad-advisor@utsc.utoronto.ca

Completion Requirements:

Program Requirements

Students must complete 4.0 credits, as follows:

1. Introduction

CLAA04H3 The Ancient Mediterranean World

Note : Students who have completed both (CLAA02H3) and (CLAA03H3) may substitute one of the courses for CLAA04H3.

2. History and Culture

CLAB05H3 History and Culture of the Greek World

CLAB06H3 History and Culture of the Roman World

3. Mythology and Religion

CLAA06H3 Ancient Mythology II: Greece and Rome

Note : Students who were enrolled at UTSC prior to the 2009 Summer Session may substitute one of (CLAA02H3) or (CLAA03H3) for CLAA06H3.

4. Literature (0.5 credit from the following courses)

CLAC11H3 Classical Literature I: Poetry

CLAC12H3 Classical Literature II: Prose

5. Electives (1.5 credits from the following courses, including at least 1.0 credit at the C or D-level; before choosing their electives, students need to take at least 1.0 credit at the A-level, 1.0 credit at the B-level, and 0.5 credit at the C-level):

Classical Studies

CLAA05H3 Ancient Mythology I: Mesopotamia and Egypt

(CLAB10H3) Greek and Latin for Scientists
CLAB20H3 The Classical World in Film
CLAC01H3 Selected Topics in Classical Literature
CLAC02H3 Selected Topics in Classical Civilization
CLAC05H3 Environment, Society and Economy in Ptolemaic and Roman Egypt
CLAC11H3 Classical Literature I: Poetry if not taken as a required course
CLAC12H3 Classical Literature II: Prose if not taken as a required course
CLAC22H3 Religions of the Ancient Mediterranean
CLAC24H3 Multiculturalism and Cultural Identities in the Greek and Roman Worlds
CLAC67H3 / HISC67H3 Early Islam : Perspectives on the Construction of a Historical Tradition
CLAC68H3/HISC68H3/ANTC58H3 Constructing the Other: Orientalism through Time and Place
CLAD05H3 Water Management in the Ancient Mediterranean World

Art History

(VPHB41H3) The Human Figure in Greek Art (8th-4th cent. B.C.)
(VPHB52H3) Ancient Art and Architecture (ca 900 B.C.-300 A.D.)
(VPHB76H3) Religion in the Arts: The Judeo-Christian Traditions
(VPHC46H3) Topics in Art of the Ancient World
VPHC53H3 The Silk Routes

English

ENGB30H3 Classical Myth and Literature
ENGC16H3 The Bible and Literature I
ENGC17H3 The Bible and Literature II
ENGC26H3 Drama: Tragedy
ENGC27H3 Drama: Comedy

Languages

(LGGA50H3) Introductory Latin I
(LGGA51H3) Introductory Latin II
(LGGA54H3) Introductory Sanskrit I
(LGGA55H3) Introductory Sanskrit II
(LGGB54H3) Intermediate Sanskrit I
(LGGB55H3) Intermediate Sanskrit II

Philosophy

PHLB16H3 Political Philosophy: Ancient Greece and the Middle Ages
PHLB31H3 Introduction to Ancient Philosophy
PHLC32H3 Topics in Ancient Philosophy: Aristotle

Religion

(RLGB01H3) The "Holy Book" in Judaism, Christianity and Islam
(RLGC01H3) The Five Books of Moses
(RLGC02H3) The Gospels
(RLGC03H3) Paul and the Invention of Christianity
(RLGC04H3) Hindu Epic
RLGC05H3 The Qu'ran in Interpretive and Historical Context

Anthropology

(ANTB04H3) Artifacts and Prehistory
(ANTB12H3) Introduction to World Prehistory: The Rise of Civilization

Description of Proposed Changes: Program Requirement 5: CLAC67H3/HISC67H3 is being added as an optional course

Rationale: CLAC67H3/HISC67H3 has been added as a course option due to its relevance as a CLA course and to provide students with an additional C-level option to complete this requirement

Impact: None.

Consultation: DCC Approval: October 8, 2020.

Resource Implications: None.

SPECIALIST PROGRAM IN HISTORY (ARTS)

Description:

Undergraduate Advisor: 416-208-2923 416-287-7184 Email: history-undergrad-advisor@utsc.utoronto.ca

Completion Requirements:

Program Requirements

Students must complete at least 12.0 credits in History, including:

1. 1.0 credit from the following:

HISA04H3 Themes in World History I
HISA05H3 Themes in World History II
HISA06H3/GASA01H3 Introducing Global Asia and its Histories
HISA07H3/CLAA04H3 The Ancient Mediterranean World
HISA08H3/AFSA01H3 Africa in the World: An Introduction
HISA09H3 Capitalism: A Global History

2. 1.0 credit as follows:

HISB03H3 Critical Writing and Research for Historians
HISC01H3 History and Evidence

3. 4.5 credits at the C-level

4. 1.0 credit at the D-level

5. Additional 4.5 credits in History

~~6. Students must take~~

6. Within the 12.0 credits required, students must also complete:

2.0 credits must deal with the period prior to 1800

and

1.0 credit in Canadian history

and

4.0 credits distributed over four of the following areas of history:

- a. United States and Latin America
- b. Medieval
- c. European
- d. Africa and Asia
- e. Transnational
- f. Ancient World

Specialist Program in History--Language Stream

Students registered in the Specialist Program in History have the option of registering in the Language Stream. Students in the Language Stream must complete the Specialist Program in History and 2.0 credits in a single language. This option is designed to encourage Specialists to undertake language study with an eye to engaging historical writing and sources in the original language. Specialists who wish to demonstrate proficiency in a given language on their transcript should undertake the additional study that would qualify them for the UTSC Language Citation.

Description of Proposed Changes: Program Requirement 6: The wording for this program requirement has been revised.
Rationale: The wording of the program requirements has been revised to provide students with better clarity of how to complete the requirements and to reduce confusion. The requirements themselves have not changed.
Impact: None.
Consultation: DCC Approval: October 8, 2020.
Resource Implications: None.

3 Course Modifications:

HISA09H3: Capitalism: A Global History

Exclusions: † HISA04H3 (if taken taught in the Fall 2017, Summer 2018 and Summer 2019 2018 semesters) †
Rationale: The course exclusions has been revised to include all sessions where there was content overlap with HISA04H3.
Consultation: DCC Approval: October 8, 2020.
Resources: None.

WSTC02H3: Feminist Qualitative Research in Action

Prerequisites: WSTA01H3 and WSTA03H3 and WSTB05H3 and WSTB11H3 and 0.5 1.0 credit taken from the courses listed in requirement 6 of the Major Program in Women's and Gender Studies
Rationale: The course prerequisite has been revised to remove redundancy and to provide students with more flexibility.
Consultation: DCC Approval: October 8, 2020.
Resources: None.

WSTD10H3: Advanced Methods: Story Telling and Social Change

Title: The Power of Advanced Methods : Story for Telling and Social Change
Abbreviated Title: Pwr of Story for Social Telling and Soe Change
Description: With a focus on collecting and retelling complex stories of life in Scarborough and beyond , this applied research course introduces students to the theory, methods and practice of feminist oral history. This course involves conducting research in the community and the final project includes a digital component .
Rationale: The course title and description are being reviewed to more accurately reflect the course content and reduce confusion.
Consultation: DCC Approval: November 19, 2020
Resources: None.

3 Retired Courses:

HISC38H3: Mexico Through American Eyes

Rationale: This course has never been offered and there are no plans to offer it in future years. This deletion will not affect the History programs as there are many other options for students to fulfill their requirements.
Consultation: DCC Approval: October 8, 2020.

Resources: None

HISD04H3: Missionaries and Converts in the Early Modern World

Rationale: This course has not been offered in 14 years and there are no plans to offer it in future years. This deletion will not affect the History programs as there are many other options for students to fulfill their requirements.

Consultation: DCC Approval: October 8, 2020.

Resources: None

HISD30H3: Gendering America

Rationale: This course has not been offered in the last 9 years and there are no plans to offer it in future years. This deletion will not affect the History programs as there are many other options for students to fulfill their requirements.

Consultation: DCC Approval: October 8, 2020.

Resources: None

Human Geography (UTSC), Department of

4 Minor Program Modifications:

MAJOR PROGRAM IN CITY STUDIES (ARTS)

Completion Requirements:

Program Requirements

This program requires students to complete a total of 7.0 credits as follows:

1. Introduction to Social Science Thought (1.0 credit from among the following):

ANTA01H3 Introduction to Anthropology: Becoming Human

ANTA02H3 Introduction to Anthropology: Culture, Society and Language

GGRA02H3 The Geography of Global Processes

GGRA03H3 Cities and Environments

[MGEA01H3 Introduction to Microeconomics *or* MGEA02H3 Introduction to Microeconomics: A Mathematical Approach]

[MGEA05H3 Introduction to Macroeconomics *or* MGEA06H3 Introduction to Macroeconomics: A Mathematical Approach]

POLA01H3 Critical Issues in Politics I

POLA02H3 Critical Issues in Politics II

SOCA03Y3 Introduction to Sociology

2. Foundations

CITA01H3/(CITB02H3) Foundations of City Studies

3. Core courses (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

4. Methods (1.0 credit as follows):

STAB23H3 Introduction to Statistics for the Social Sciences

and

0.5 credit from among the following:

GGRA30H3 Geographic Information Systems (GIS) and Empirical Reasoning

GGRB30H3 Fundamentals of GIS I

GGRC31H3 Qualitative Geographical Methods: Place and Ethnography

GGRC42H3 Making Sense of Data: Applied Multivariate Analysis

5. City Studies Applications (at least 2.0 credits from among the following):

CITC01H3 Urban Communities and Neighbourhoods Case Study: East Scarborough

CITC02H3 Placements in Learning in Community Development Service

CITC03H3 Real Estate and the City

CITC04H3 Current Municipal and Planning Policy and Practice in Toronto

CITC07H3 Urban Social Policy

CITC08H3 Cities and Community Development

CITC09H3 Introduction to Planning History: Toronto and Its Region

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

CITD01H3 City Issues and Strategies

CITD05H3 City Studies Workshop I

CITD06H3 City Studies Workshop II

CITD10H3 Seminar in Selected Issues in City Studies

CITD12H3 Planning and Building Public Spaces in Toronto

CITD30H3 Supervised Research Project

6. Approaches to Cities (at least 1.5 credits from among the following):

ANTC18H3 Urban Anthropology

[EESA05H3 Environmental Hazards or EESA06H3 Introduction to Planet Earth]

EESD20H3 Geological Evolution and Environmental History of North America

GGRB02H3 The Logic of Geographic Thought

GGRB05H3 Urban Geography

GGRB13H3 Social Geography

GGRB28H3 Geographies of Disease

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

GGRC43H3 Social Geographies of Street Food

GGRC48H3 Geographies of Urban Poverty

GGRD09H3 Feminist Geographies

GGRD14H3 Social Justice and the City

HISC58H3 Delhi and London: Imperial Cities, Mobile People

POLB50Y3 Canadian Government and Politics

POLC53H3 Canadian Environmental Policy

PPGB66H3 / (PPGC66H3)/(POLC66H3) Public Policy Making

PPGC67H3/(POLC67H3) Public Policy in Canada

SOCB44H3 Sociology of Cities and Urban Life

SOCC26H3 Sociology of Urban Cultural Policies

SOCC27H3 Sociology of Suburbs and Suburbanization

WSTB12H3 Women, Violence and Resistance

WSTB20H3/(WSTC20H3) Women, the Environment, and Change
WSTC14H3 Women, Community, and Policy Change

Description of Proposed Changes:

1. Requirement 5: CITC02H3 title change
2. Requirement 6: PPGC66H3 course code change to PPGB66H3

Rationale:

1. The course title change is necessary to ensure consistency throughout the Calendar
2. The course code change is necessary to ensure consistency throughout the Calendar.

Impact: None.

Consultation: DCC Approval: October 9, 2020

Resource Implications: None.

MINOR PROGRAM IN GEOGRAPHIC INFORMATION SCIENCE (GIS) (ARTS)

Completion Requirements:

Program Requirements

This program requires students to complete 4.0 credits as follows:

1. At least 0.5 credit from the following:

GGRA30H3 Geographic Information Systems (GIS) and Empirical Reasoning
EESC03H3 Geographic Information Systems and Remote Sensing

2. 2.5 credits as follows:

GGRB30H3 Fundamentals of GIS I
GGRB32H3 Fundamentals of GIS II
GGRC30H3 Advanced GIS
GGRC32H3 Essential Spatial Analysis
GGRD30H3 GIS Research Project

3. 1.0 credit from the following:

CSCA20H3 Introduction to Programming
CITC18H3 Transportation Policy Analysis*
EESC03H3 Geographic Information Systems and Remote Sensing (if not used to complete component 1 of the requirements)

GGRC12H3 Transportation Geography
GGRC15H3 Spatial Databases and Applications
GGRC27H3 Location and Spatial Development
GGRC34H3 Crowd-sourced Urban Geographies
GGRC42H3 Making Sense of Data: Applied Multivariate Analysis
CITD01H3 City Issues and Strategies*
GGRD01H3 Supervised Research Project*
GGRD08H3 Research Seminar in Environmental Geography*
GGRD25H3 Research Seminar in Urban Spaces*
GGRD31H3 Independent Research Project*

***Note:** 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.

Description of Proposed Changes:

Requirement 3: GGRC15H3 is added as an optional course.

Rationale:

GGRC15H3 is a new course that will provide interested students with a deeper understanding of fundamental skills and additional C-level option to complete the program requirement.

Impact: None.

Consultation: DCC Approval: October 8, 2020

Resource Implications: None.

MINOR PROGRAM IN URBAN PUBLIC POLICY AND GOVERNANCE (ARTS)

Completion Requirements:

Program Requirements

This program requires the completion of 4.0 credits as follows:

1. Foundations - 1.0 credit as follows:

[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 as follows:

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 credits from the following:

CITC04H3 Current Municipal and Planning Policy and Practice in Toronto

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

PPGB66H3 / (PPGC66H3/(POLC66H3) Public Policy Making

PPGC67H3/(POLC67H3) Public Policy in Canada

Description of Proposed Changes: Requirement 3: PPGC66H3 course code changed to PPGB66H3

Rationale: This is necessary to ensure consistency throughout the Calendar.

Impact: None.

Consultation:

DCC Approved: October 8, 2020

Additional Consultation:

Human Geo: October 7, 2020

Resource Implications: None.

SPECIALIST PROGRAM IN CITY STUDIES (ARTS)

Completion Requirements:

Program Requirements:

This program requires the completion of 12.0 credits as follows:

1. Introduction to Social Science Thought (1.0 credit from among the following):

ANTA01H3 Introduction to Anthropology: Becoming Human

ANTA02H3 Introduction to Anthropology: Culture, Society and Language

GGRA02H3 The Geography of Global Processes

GGRA03H3 Cities and Environments

[MGEA01H3 Introduction to Microeconomics or MGEA02H3 Introduction to Microeconomics: A Mathematical Approach]

[MGEA05H3 Introduction to Macroeconomics or MGEA06H3 Introduction to Macroeconomics: A Mathematical Approach]

POLA01H3 Critical Issues in Politics I

POLA02H3 Critical Issues in Politics II

SOCA03Y3 Introduction to Sociology

2. Foundations (0.5 credit):

CITA01H3/(CITB02H3) Foundations of City Studies

3. Core courses (1.5 credits as from the following):

CITB01H3 Canadian Cities and Planning

CITB03H3 Social Planning and Community Development

CITB04H3 City Politics

CITB08H3 Economy of Cities

4. Research Methods (2.0 credits):

GGRA30H3 Geographic Information Systems (GIS) and Empirical Reasoning

STAB23H3 Introduction to Statistics for the Social Sciences (or equivalent)

and

1.0 credits from the following:

GGRB30H3 Fundamentals of GIS I

GGRB03H3 Writing Geography

GGRC32H3 Essential Spatial Analysis

GGRC31H3 Qualitative Geographical Methods: Place and Ethnography

GGRC42H3 Making Sense of Data: Applied Multivariate Analysis

5. City Studies Applications (3.5 credits from among the following):

CITC01H3 Urban Communities and Neighbourhoods Case Study

CITC02H3 **Placements Learning** in Community **Development Service**

CITC03H3 Real Estate and the City

CITC04H3 Current Municipal and Planning Policy and Practice in Toronto

CITC07H3 Urban Social Policy

CITC08H3 Cities and Community Development

CITC09H3 Introduction to Planning History: Toronto and Its Region

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

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 Transportation Policy Analysis

6. Approaches to Cities (1.5 credits from among the following)*:

GGRB02H3 The Logic of Geographic Thought

GGRB05H3 Urban Geography

GGRB13H3 Social Geography

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

GGRC43H3 Social Geographies of Street Food

GGRC48H3 Geographies of Urban Poverty
 POLB50Y3 Canadian Government and Politics
 POLC53H3 Canadian Environmental Policy
 PPG66 /PPGC66H3/(POLC66H3) Public Policy Making
 PPGC67H3/(POLC67H3) Public Policy in Canada
 SOCB44H3 Sociology of Cities and Urban Life
 * **Note** : these courses may have prerequisites that are not included in this program

7. City Studies Workshop (1.0 credit):

CITD05H3 City Studies Workshop I
 CITD06H3 City Studies Workshop II

8. Advanced Applications (1.0 credit):

CITD01H3 City Issues and Strategies
 CITD10H3 Seminar in Selected Issues in City Studies
 CITD12H3 Planning and Building Public Spaces in Toronto
 CITD30H3 Supervised Research Project
 GGRD14H3 Social Justice and the City

Description of Proposed Changes:

1. Requirement 5: CITC02H3 title change
2. Requirement 6: PPGC66H3 course code changed to PPG66H4

Rationale:

1. The course title change is necessary to ensure consistency throughout the Calendar.
2. The course code update is necessary to ensure consistency throughout the Calendar.

Impact: None.

Consultation: DCC Approval: October 9, 2020

Resource Implications: None.

3 Course Modifications:

CITC02H3: Learning in Community Service

Title: Placements ~~Learning~~ in Community ~~Development~~ ~~Service~~

Abbreviated Title: Placements ~~Learning~~ in Community ~~Dev~~ ~~Service~~

Description:

~~This is a service learning course based in Scarborough communities in which students learn about community issues first-hand through placements with community-based organizations. Student evaluation will be based on completion of in-class work, service learning hours, and grading of student journals that: 1. Describe the service work, and 2. Reflect on the service work and relate it to lectures and required readings.~~ With a focus on building knowledge and skills in community development, civic engagement, and community action, students will ‘learn by doing’ through weekly community-based placements with community organizations in East Scarborough and participatory discussion and written reflections during class time . The course will explore topics such as community-engaged learning, social justice, equity and inclusion in communities, praxis epistemology, community development theory and practice, and community-based planning and organizing. Students will be expected to dedicate 3-4 hours per week to their placement time in addition to the weekly class time. Community-based placements will be organized and allocated by the course instructor

Rationale: The course title and description have been updated to better reflect the content and topics covered in this course.

Consultation: DCC approved: October 9, 2020

Resources: None.

GGRA30H3: Geographic Information Systems (GIS) and Empirical Reasoning

Description:

~~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.~~

Students learn fundamental concepts concerning the structure and effective uses of geographical data and practical skills that will help them to find and apply geographical data appropriately in their studies. Hands-on exercises using a variety of software allow students to gain experience in finding, processing, documenting, and visualizing geographic data. Lecture topics introduce students to the opportunities and challenges of using geographical data as empirical evidence across a range of social science topics.

Rationale: The course description has been revised to better reflect the skills building and practical application of the conceptual material covered in the course.

Consultation: DCC approved: September 24, 2020

Resources: None.

GGRC13H3: Urban Political Geography

Recommended Preparation: CITA01H3/(CITB02H3) or GGRB05H3 or **PPGB66H3** / (PPGC66H3) /(POLC66H3)

Rationale: The course prerequisite has been revised to ensure consistency throughout the Calendar

Consultation: DCC Approval: October 9, 2020

Resources: None.

Language Studies (UTSC), Department of

3 Minor Program Modifications:

MAJOR PROGRAM IN FRENCH (ARTS)

Completion Requirements:

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

FRED01H3 Language Practice VII: Written French

(Students with special proficiency in the French language may substitute other FRE courses with the permission of the Associate Chair)

2. 1.0 credit in Linguistics:

Linguistics courses taught in French are:

FREB08H3 Practical Translation I

FREB44H3 Introduction to Linguistics: French Phonetics and Phonology

FREB45H3 Introduction to Linguistics: French Morphology and Syntax

FREB46H3 History of the French Language

FREC46H3 French Syntax

FREC48H3 Sociolinguistics of French

Linguistics courses taught in English are:

FREC12H3 Semantics: The Study of Meaning

~~FREC46H3 Syntax II~~

FREC47H3 Pidgin and Creole Languages

3. 1.0 credit in Culture:

Culture courses are:

FREB22H3 The Society and Culture of Québec

FREB27H3 Modern France

FREB28H3 The Francophone World

FREB70H3 Cinema of the French-Speaking World

FREB84H3 Folktale, Myth and the Fantastic in the French-Speaking World

FREC54H3 Paris Through the Ages

FREC83H3 Cultural Identities and Stereotypes in the French-Speaking World

4. 2.5 additional credits in French as follows:

FREB50H3 Introduction to Literature in French I

and

1.0 credit in French Literature taken from the following:

FREB35H3 Francophone Literature

FREB36H3 The 20th Century Québec Novel

FREB37H3 Contemporary Québec 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 Québec

FREC57H3 French Fiction of the 19th Century

FREC58H3 Literature of the Ancien Regime

FREC63H3 Topics in French Literature: Encountering Foreign Cultures: Travel Writing in French

FREC64H3 French Fiction of the 20th and 21st Centuries

FRED13H3 Advanced Topics in French Literature

FRED14H3 Advanced Topics in the Literature of Québec

and

1.0 credit in French courses not already taken

Notes Note :

1. At the A-level, only FREA01H3 and FREA02H3 may be counted towards a French Program.

2. **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* .

3. **Note** ÷ Major students cannot obtain more than 0.5 credit (out of 8.0 credits) by taking a course taught in English.

Description of Proposed Changes: Requirement 2: moved FREC46H3 into Linguistic Courses taught in French group and course title change

Rationale: Change in course title grouping and the title is necessary to ensure consistency throughout the Calendar.

Impact: None.

Consultation: DCC Approval: October 22, 2020

Resource Implications: None.

MINOR PROGRAM IN ENGLISH AND CHINESE TRANSLATION (ARTS)

Completion Requirements:

Program Requirements

Students are required to complete a total of 4.0 credits.

1. 2.0 credits as follows:

LINA01H3 Introduction to Linguistics

[LINB06H3 Syntax or LINB18H3 English Grammar]

LINB60H3 Comparative Study of English and Chinese

[ECTB58H3 Foundations of Translation or ECTB61H3 English and Chinese Translation: Theory and Practice]

2. 1.0 credit from the following:

ECTB60H3 Food, Cultures, and Translation

ECTC61H3 Translation Studies in Literature

ECTC62H3 Translation in Media

ECTD68H3 Translation for Business and Media

ECTD69H3 Translation for Government and Public Administration

3. 1.0 credit from the following:

LGGC64H3 Reading Chinese and English: China from the Inside Out

LGGC65H3 Reading Chinese and English: Global Perspectives

LGGC66H3 Classical Chinese and English Translations

LGGD66H3/(LGGC67H3) Literary Chinese and English Translations

Description of Proposed Changes:

1. Requirement 1: added LINB18H3 as an alternative to LINB06H3

2. Requirement 2: added ECTC62H3 as an optional course. Changed the ECTD68H3 course title.

Rationale:

1. This change will make both options transparent to students since students have already been taking LINB18H3 as an alternative to LINB06H3 and faculty have been manually changing.

2. Students will have an additional C-level course to complete this program requirement. Title change for ECTD68H3 is necessary to ensure consistency throughout the Calendar.

Impact: None.

Consultation: DCC Approval: October 9, 2020

Resource Implications: None.

SPECIALIST PROGRAM IN FRENCH (ARTS)

Completion Requirements:

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 credit must be at the D-level:

1. 4.0 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

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. 2.0 credits selected from:

FREB08H3 Practical Translation I
FREB44H3 Introduction to Linguistics: French Phonetics and Phonology (taught in French)
FREB45H3 Introduction to Linguistics: French Morphology and Syntax (taught in French)
FREB46H3 History of the French Language (taught in French)
FREC12H3 Semantics: The Study of Meaning (taught in English)
FREC46H3 French Syntax ~~H (taught in English)~~
FREC47H3 Pidgin and Creole Languages (taught in English)
FREC48H3 Sociolinguistics of French (taught in French)
(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 of the French-Speaking World
FREB84H3 Folktale, Myth and the Fantastic in the French-Speaking World
FREC54H3 Paris Through the Ages
FREC83H3 Cultural Identities and Stereotypes in the French-Speaking World

4. 3.0 credits in literature which must include:

FREB50H3 Introduction to French Literature I
FREB35H3 Francophone Literature

and

1.0 credit in literature from Québec, selected from the following:

FREB36H3 The 20th Century Québec Novel
FREB37H3 Contemporary Québec Drama
FREC38H3 Topics in the Literature of Québec
FRED14H3 Advanced Topics in the Literature of Québec

and

1.0 credit in French Literature, selected from the following:

FREB51H3 Literary History in Context: From the Middle Ages to the 17th Century
FREB55H3 Literary History in Context: 18th and 19th Centuries
FREC57H3 French Fiction of the 19th Century
FREC58H3 Literature of the Ancient Regime
FREC63H3 Topics in French Literature: Encountering Foreign Cultures: Travel Writing in France
FREC64H3 French Fiction of the 20th and 21st Centuries
FRED13H3 Advanced Topics in French Literature

5. 1.5 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 Language in the School System
FREB17H3 Spoken French: Conversation and Pronunciation
FREB18H3 Business French
FREB20H3 Teaching Children's Literature in French
FREC11H3 Teaching French as a Second Language
FREC18H3 Translation for Business and Professional Needs

Notes:

1. 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.

2. At the A-level, only FREA01H3 and FREA02H3 may be counted towards a French Program.

Description of Proposed Changes: Requirement 2: FREC46H3 course title change

Rationale: The course title change is necessary to ensure consistency throughout the Calendar.

Impact: None.

Consultation: DCC Approval: October 22, 2020

Resource Implications: None

4 Course Modifications:

ECTB60H3: Food, Cultures, and Translation

Title: Agri-Food Food , Cultures, and Translation

Abbreviated Title: Agri-Food Food , Cultures, and Trans

Description:

From wheat to seafood, Canada's agri-food food exports to China are increasing and Chinese food is popular in Canada. This course explores agri-food food , cultures, and translation using materials in Chinese and English. It gives text analysis in translation and hands-on translation experience from English to Chinese and/or from Chinese into English. Students must be able to read and write Chinese and English well.

Rationale: The course title and description have been revised to better reflect the topics and content covered in this course.

Consultation: DCC Approval: October 9, 2020

Resources: None.

FREC18H3: Translation for Business and Professional Needs

Prerequisites: { FREB01H3 and FREB02H3 } and[FREB08H3 or(FREB09H3)]or equivalent.

Corequisites: FREB02H3

Rationale:

The course prerequisite and the co-requisites have been revised to move FREB20H3 as a corequisite to allow for better flow from FREB08H3 to FREC18H3 with no large period of time between them as students can now take them in consecutive terms. In the current structure, students have to wait almost a year to year and a half before they are able to enroll in the next sequential translation course.

Consultation: DCC Approval: October 9, 2020

Resources: None.

FRED06H3: Language Practice VIII: Oral French

Exclusions: FSL443H and FSL473H or equivalent

Rationale: The course exclusions has been revised to include FSL473H1 since it has significant overlapping with this course.

Consultation: DCC Approval: October 9, 2020

Resources: None

LINC11H3: Syntax II

Description:

Core issues in syntactic theory, with emphasis on universal principles and syntactic variation between French and English .

Same as FREC46H3

Prerequisites: LINB06H3 ~~or~~ FREB45H3

Exclusions: FREC46H3 , LIN232H, LIN331H, FRE378H ; ~~FREC46H3~~

Rationale:

1. The course is being revised to remove the double numbering of FREC46H3. Double-numbering was introduced in a context of limited resources: two faculty from FRE had to offer courses in two separate disciplines with similar content, except the language of instruction. By having two separate courses tailor each new section/course to the needs of the student and also reflect their previous level of involvement with the subject matter, the department will better serve students.
2. The course prerequisite, exclusion and recommended prep courses have been revised to remove FRE related content.

Consultation: DCC Approval: October 9, 2020

Resources: None. The department has faculty members (new and old) that can teach each section of the split course.

Political Science (UTSC), Department of

1 Minor Program Modification:

MAJOR PROGRAM IN PUBLIC POLICY (ARTS)

Completion Requirements:

Program Requirements

Students must complete a total of 8.0 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

Note: at least 0.5 credit at the A-level in Political Science is recommended. We also recommend interested students take introductory courses in disciplines like City Studies, Economics for Management Studies, Environmental Science, International Development Studies, and Sociology that may reflect their particular substantive interests.

2. Economics for Public Policy (1.0 credit):

[MGEA01H3 and MGEA05H3] or [MGEA02H3 and MGEA06H3]

3. Canadian Politics (1.0 credit)

POLB50Y3 Canadian Government and Politics

4. Fundamentals of Public Policy (1.0 credit)

PPGB66H3 / (PPGC66H3) Public Policy Making
PPGC67H3 Public Policy in Canada

5. Statistics Research Methods (1.0 credit ; including at least 0.5 credit from in Quantitative Methods)

Quantitative Methods courses include :

ANTC35H3 Quantitative Methods in Anthropology

MGEB11H3 Quantitative Methods in Economics I

GGRA30H3 Geographic Information Systems

STAB22H3 POLC11H3 Applied Statistics I for Politics and Public Policy

STAB23H3 Introduction to Statistics for the Social Sciences

STAB57H3 An Introduction to Statistics

6. Qualitative Methods 0.5 credits from courses include :

GGRA30H3 Geographic Information Systems (GIS) ANTB19H3 Ethnography and Empirical Reasoning the Comparative Study of Human Societies
POLC11H3 Applied Statistics for Politics GGRC31H3 Qualitative Geographical Methods : Place and Public Policy Ethnography
POLC78H3 Political Analysis I

7 6. Applications of Public Policy (3.0 credits in Public Policy courses,*from the following list or other courses with the approval of the supervisor of studies; of these, 2.0 credits 1.0 credit must be at the C- or D-level and an additional 0.5 credits at the D-level in POL courses).

Urban Public Policy

CITB04H3 City Politics
CITC04H3 Current Municipal and Planning Policy and Practice in Toronto
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
GGRC13H3 Urban Political Geography

Health Policy

HLTB40H3 Health Policy and Health Systems
HLTC42H3 Emerging Health Issues and Policy Needs
HLTC43H3 Politics of Canadian Health Policy
HLTC44H3 Comparative Health Policy Systems
IDSB01H3 Political Economy of International Development
IDSB04H3 Introduction to International/Global Health
MGEC34H3 Economics of Health Care

Environmental Policy

EESC13H3 Environmental Impact and Assessment Auditing
EESC34H3 Sustainability in Practice
EESD13H3 Environmental Law , Policy and Ethics
ESTC36H3 Knowledge , Ethics and Environmental Decision-Making
ESTD19H3 Risk
POLC53H3 Canadian Environmental Policy
POLD89H3 Global Environmental Politics

Public Administration

MGEB31H3 Public Decision Making
MGEB32H3 Economic Aspects of Public Policy
MGEC31H3 Economics of the Public Sector: Taxation
MGEC32H3 Economics of the Public Sector: Expenditures
~~MGEC34H3 Economics of Health Care~~
MGEC38H3 The Economics of Canadian Public Policy
MGEC91H3 Economics and Government
MGSC03H3 Public Management
MGSC05H3 The Changing World of Business-Government ~~Business- Government~~ Relations
MGSC12H3 Narrative and Management

Politics and Public Policy

~~POLC36H3 Law~~
POLC36H3 Law and Public ~~POLC53H3 Canadian Environmental~~ Policy
POLC54H3 Intergovernmental Relations in Canada
POLC57H3 Intergovernmental Relations and Public Policy
POLC65H3 Political Strategy
POLC69H3 Political Economy: International and Comparative Perspectives

POLC83H3 Applications of American Foreign Policy
POLC87H3 International Cooperation and Institutions
POLC93H3 Public Policies in the United States
POLC98H3 International Political Economy of Finance
POLD50H3 Political Interests, Political Identity, and Public Policy
POLD52H3 Immigration and Canadian Political Development
POLD53H3 Political Disagreement in Canada
POLD67H3 The Limits of Rationality
POLD87H3 Rational Choice and International Cooperation
~~POLD89H3 Global Environmental Politics~~
POLD90H3 Public Policy and Human Development in the Global South
PPGD64H3 Comparative Public Policy
PPGD68H3 Capstone : The Policy Process in Theory and Practice
SOCB47H3 Social Inequality
SOCC37H3 Environment and Society

*Many of these courses have prerequisites that are not requirements in the Major Program in Public Policy, please plan accordingly. In addition, we recommend taking methods courses from within your disciplinary Major program.

Description of Proposed Changes:

1. Requirement 4: Change course code of PPGC66H3 to PPGB66H3
2. Requirement 5: Reduced total credit from 1.0 to 0.5 credit. Research methods streams are now renamed to 'statistics' and 'methods' (previously 'qualitative' and 'quantitative') and have been split into two separate requirements. Students must now complete 0.5 credits from both requirements. Added STAB22H3 and STAB57H3 as optional courses. Removed ANTC35H3, GGRA30H3 and POLC11H3 as optional courses
3. Requirement 6: New requirement category with the total credit requirement of 0.5 from requirement 5. Previously all methods courses were listed under requirement 5. GGRA30H3 and POLC11H3 have been reallocated from requirement 5 to this requirement as optional courses.
4. Requirement 7: The application courses have now been categorized by 5 areas of concentration which include many of the preexisting courses currently listed in the calendar. The following courses have been added as options for this requirement: HLTC42H3, HLTC44H3, ESTC36H3, EESC13H3, EESC34H3, EEDS13H3, ESTD19H3, PPGD68H3. The following courses have been deleted as options for this requirement: GGRC13H3, IDSB01H3, MGSC12H3, POLD53H3, SOCB47H3, SOCC37H3

Rationale:

1. Requirement 4: course code change is necessary to ensure consistency throughout the Calendar.
2. Requirement 5: Reduced total credit by 0.5 to transfer to new requirement 6. Research methods streams are now renamed to 'statistics' to better reflect the optional courses in this requirement. STAB22H3 and STAB57H3 will provide students with more statistic course options to complete this program requirement. ANTC35H3, GGRA30H3 and POLC11H3 have been removed since these courses are not statistics focused.
4. Requirement 6: This is a new requirement category spilt from requirement 5 titled with methods courses. Leftover 0.5 credit from requirement 5 is now shifted to requirement 6 to avoid changing the total program credit requirements. GGRA30H3 and POLC11H3 have been relocated from requirement 5 as method related optional courses.
5. Requirement 7: The application courses have now been categorized by 5 areas of concentrations to provide a more guided format for course selection to students. The added courses to this requirement provide students with more options to complete this program requirement. The deleted courses do not fit well into the new areas of specialization or do not cover topics that are considered focused on public policy.

Impact: None.

Consultation:

DCC approval date: October 9, 2020
Additional Consultation:
DPES: October 8, 2020
HLT: October 9, 2020
STA: October 5, 2020

Resource Implications: None.

5 Course Modifications:

POLB91H3: Comparative Development in Political Perspective

Prerequisites: ~~POLB90H3~~ ~~Note:It is strongly recommended that students take POLB90H3 and POLB91H3 in consecutive sessions.~~ Any 4.0 credits

Rationale: The course prerequisite has been revised to provide students with more flexibility and is consistent with other core B-level courses offered by the department.

Consultation: DCC Approval: October 8, 2020

Resources: None.

POLC36H3: Law and Public Policy

Recommended Preparation: PPG66H3 / (POLC66H3) / (~~PPGC66H3~~)

Rationale: The course recommended prep courses have been revised to ensure consistency throughout the Calendar

Consultation: DCC Approval: October 9, 2020

Resources: None.

POLD44H3: Comparative Law and Social Change

Description:

This seminar ~~based~~ ~~course~~ examines how legal institutions and legal ideologies influence efforts to produce or prevent social change. The course will analyze court-initiated action as well as social actions “from below”(social movements)with comparative case studies.

Area of Focus:Comparative Politics

Prerequisites: POLB30H3 and[POLC33H3 ~~POLC39H3~~ or POLC38H3 or POLC39H3]and [0.5 credit in Comparative Politics]

Rationale:

1. The course description has been revised with editorial changes
2. The course prerequisite has been revised to better prepare students for this course.

Consultation: DCC Approval: October 8, 2020

Resources: None.

POLD67H3: The Limits of Rationality

Prerequisites: [PPG66H3 / (PPGC66H3 / (POLC67H3) or[(POLB70H3)and(POLB71H3) or POLB72H3]or [POLB90H3 and POLB91H3]] ~~or PPGC66H3~~ and [1.0 additional credit at the C-level in POL or PPG courses]

Rationale: The course prerequisites have been revised to ensure consistency throughout the Calendar

Consultation: DCC Approval: October 9, 2020

Resources: None.

PPGD64H3: Comparative Public Policy

Prerequisites: PPG66H3 / (PPGC66H3) and[[POLB50Y3 or equivalent]or [POLB92H3 and(POLB93H3)]] and [1.5 credits at the C-level in POL courses]

Rationale: The course prerequisites have been revised to ensure consistency throughout the Calendar.

Consultation: DCC Approval: October 8, 2020

Resources: None.

Psychology (UTSC), Department of

4 Minor Program Modifications:

MAJOR PROGRAM IN MENTAL HEALTH STUDIES (SCIENCE)

Completion Requirements:

Program Requirements

The program requires 7.0 credits, of which at least 2.0 credits must be at the C- or D-level:

1. Introduction to Psychology (1.0 credit):

PSYA01H3 Introduction to Biological and Cognitive Psychology

PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology

2. Laboratory Methods (1.0 credit):

[PSYB70H3 Methods in Psychological Science or (PSYB01H3) Psychological Research Laboratory *or* (PSYB04H3) Foundations in Psychological Research]

PSYC37H3 Psychological Assessment

3. Statistical Methods (0.5 credit):

PSYB07H3 Data Analysis in Psychology

STAB22H3 Statistics I

STAB23H3 Introduction to Statistics for the Social Sciences

4. Personality and Clinical Psychology (1.0 credit) :

PSYB30H3 Introduction to Personality

PSYB32H3 Introduction to Clinical Psychology

5. Psychosocial and Psychobiological Breadth (1.5 credits):

Students are required to take 1.0 credit from one group and 0.5 credit from the other group:

Psycho-Social Grouping:

[PSYB38H3 *or* (PSYB45H3) Introduction to Behaviour Modification]

PSYC18H3 The Psychology of Emotion

[PSYC30H3 *or* (PSYC35H3) Advanced Personality Psychology]

PSYC36H3 Psychotherapy

PSYC39H3 Psychology and the Law

Psycho-Biological Grouping:

[PSYB55H3 Introduction to Cognitive Neuroscience *or* (PSYB65H3) Human Brain and Behaviour]

PSYB64H3 Introduction to Behavioural Neuroscience

PSYC31H3 Clinical Neuropsychology

PSYC33H3 Neuropsychological Rehabilitation

PSYC38H3 Adult Psychopathology

PSYC62H3 Drugs and the Brain

6. Seminar in Psychology at the D-level (0.5 credits)

7. Additional credits in Psychology (1.5 credits)

Supervised study [PSYC90H3 or PSYC93H3] or thesis [PSYD98Y3] courses may be used to fulfill a maximum of 0.5 credit.

Description of Proposed Changes: Requirement 5: adding new course code PSYC35H3 for PSYC30H3 and adding PSYC38H3 as an option to the psycho-biological bin.

Rationale: PSYC35H3 was changed to PSYC30H3 to create a sequence of personality courses ranging from introductory to current topics. PSYC38H3 is a new course that will provide students with an additional C-level option to fulfill this requirement.

Impact: None.

Consultation: DCC Approval: September 17, 2020.

Resource Implications: None.

SPECIALIST (CO-OPERATIVE) PROGRAM IN MENTAL HEALTH STUDIES (SCIENCE)

Completion Requirements:

Program Requirements

The program requires 12.5 credits as follows, including at least 4.0 credits at the C-level, of which at least 1.0 credit must be at the D-level:

1. Introduction to Psychology (1.0 credit)

PSYA01H3 Introduction to Biological and Cognitive Psychology

PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology

2. Laboratory Methods (2.0 credits)

[PSYB70H3 Methods in Psychological Science *or* (PSYB01H3) Psychological Research Laboratory]

PSYC37H3 Psychological Assessment

PSYC70H3 Advanced Research Methods Laboratory

PSYC73H3 Clinical Neuropsychology Laboratory

3. Statistical Methods (1.0 credit)

PSYB07H3 Data Analysis in Psychology

[PSYC08H3 Advanced Data Analysis in Psychology *or* PSYC09H3 Applied Multiple Regression in Psychology]

4. PSYC02H3 Scientific Communication in Psychology (0.5 credit)

5. PSYC85H3 History of Psychology (0.5 credit)

6. Personality and Clinical Psychology (1.0 credit):

PSYB30H3 Introduction to Personality

PSYB32H3 Introduction to Clinical Psychology

7. Psychosocial and Psychobiological Breadth (3.0 credits)

Students are required to take 2.0 credits from one group and 1.0 credit from the other group:

Psycho-Social Grouping

[PSYB38H3 *or* (PSYB45H3) Introduction to Behaviour Modification]

PSYC18H3 The Psychology of Emotion

[**PSYC30H3** *or* (PSYC35H3) Advanced Personality Psychology]

PSYC36H3 Psychotherapy

PSYC39H3 Psychology and the Law

Psycho-Biological Grouping

[PSYB55H3 Introduction to Cognitive Neuroscience *or* (PSYB65H3) Human Brain and Behaviour]

PSYB64H3 Introduction to Behavioural Neuroscience

PSYC33H3 Neuropsychological Rehabilitation

PSYC38H3 Adult Psychopathology

PSYC62H3 Drugs and the Brain

8. Seminars in Psychology at the D-level (1.0 credit):

0.5 credit must come from the PSY D30-series:

PSYD30H3 Current topics in Personality Psychology

PSYD31H3 Cultural-Clinical Psychology

PSYD32H3 Personality Disorders

PSYD33H3 Current Topics in Clinical Psychology

PSYD35H3 Clinical Psychopharmacology

PSYD39H3 Cognitive Behavioural Therapy

9. An additional credit in Psychology (0.5 credit)

10. 2.0 credits from the following courses:

HLTB40H3 Health Policy and Health Systems

HLTB41H3 Introduction to the Social Determinants of Mental Health

HLTB42H3 Perspectives of Culture, Illness and Healing

HLTB50H3 Introduction to Health Humanities

(HLTC05H3) Society, Health and Illness

HLTC22H3 Health, Aging, and the Life Cycle

HLTC23H3 Issues in Child Health and Development

HLTC42H3 Emerging Health Issues and Policy Needs

HLTC49H3 Indigenous Health

IDSB04H3 Introduction to International/Global Health

IDSC11H3 Issues in Global and International Health

LINB20H3 Sociolinguistics

PHLA11H3 Introduction to Ethics

PHLB07H3 Ethics

PHLB09H3 Biomedical Ethics

PHLB81H3 Theories of Mind

PHLC07H3 Death and Dying

PHLC10H3 Topics in Bioethics

SOCB22H3 Sociology of Gender

SOCB49H3 Sociology of Family

SOCB50H3 Deviance and Normality I

SOCC49H3 Indigenous Health

Co-op Work Term Requirements

Students must satisfactorily complete two Co-op work terms, each of four-months duration. To be eligible for their first work term, students must be enrolled in the Specialist Co-op Program in Mental Health Studies and have completed at least 10.0 credits, including [PSYB70H3 or (PSYB01H3)], PSYB07H3, PSYB32H3, [PSYB55H3 or (PSYB65H3)], PSYC02H3, [PSYC08H3 or PSYC09H3], and [PSYC73H3 or (PSYC32H3)].

In addition to their academic program requirements, Co-op students complete up to four Co-op specific courses. These courses are designed to prepare students for their job search and work term experience, and to maximize the benefits of their Co-op work terms. They cover a variety of topics intended to assist students in developing the skills and tools required to secure work terms that are appropriate to their program of study, and to perform professionally in the workplace. These courses must be completed in sequence, and are taken in addition to a full course load. They are recorded on transcripts as credit/no credit (CR/NCR) and are considered to be additive credit to the 20.0 required degree credits. No additional course fee is assessed as registration is included in the Co-op Program fee.

Co-op Preparation Course Requirements:

1. COPB50H3/(COPD01H3) – Foundations for Success in Arts & Science Co-op
 - Students entering Co-op from outside of UTSC (high school or other postsecondary) will complete this course in Fall or Winter of their first year at UTSC. Enrolment in each section is based on admission category: Typically, students in Computer Science, Mathematics and Statistics enroll in the Fall semester while all other Arts & Science Co-op admission categories enroll in the Winter semester however this may vary year to year.
 - Current UTSC students entering Co-op in April/May will complete this course in the Summer semester.
 - Current UTSC students entering Co-op in July/August will complete this course in the Fall semester.
2. COPB51H3/(COPD03H3) – Preparing to Compete for your Co-op Work Term
 - This course will be completed eight months in advance of the first scheduled work term.
3. COPB52H3/(COPD11H3) – Managing your Work Term Search & Transition to Work
 - This course will be completed four months in advance of the first work scheduled work term.
4. COPC98H3/(COPD12H3) – Integrating Your Work Term Experience Part I
 - This course will be completed four months in advance of the second scheduled work term.
5. COPC99H3/(COPD13H3) – Integrating Your Work Term Experience Part II
 - This course will be completed four months in advance of the third scheduled work term (for programs that require the completion of 3 work terms and/or four months in advance of any additional work terms that have been approved by the Arts and Science Co-op Office.

Students must be available for work terms in each of the Fall, Winter and Summer semesters and must complete at least one of their required work terms in either a Fall or Winter semester. This, in turn, requires that students take courses during at least one Summer semester.

For information on fees, status in Co-op programs, and certification of completion of Co-op programs, see the [6B.5 Co-operative Programs](#) section or the [Arts and Science Co-op](#) section in the UTSC *Calendar*.

Description of Proposed Changes: Requirement 7: adding new course code PSYC35H3 for PSYC30H3 and adding PSYC38H3 as an option to the psycho-biological bin.

Rationale: PSYC35H3 was changed to PSYC30H3 to create a sequence of personality courses ranging from introductory to current topics. PSYC38H3 is a new course that will provide students with an additional C-level option to fulfill this requirement.

Impact: None.

Consultation: DCC Approval: September 17, 2020.

Resource Implications: None.

SPECIALIST PROGRAM IN MENTAL HEALTH STUDIES (SCIENCE)

Completion Requirements:

Program Requirements

The program requires completion of 12.5 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. Introductory Psychology (1.0 credit)

PSYA01H3 Introduction to Biological and Cognitive Psychology

PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology

2. Laboratory Methods (1.5 credit)

[PSYB70H3 Methods in Psychological Science *or* (PSYB01H3) Psychological Research Laboratory]

PSYC37H3 Psychological Assessment

PSYC70H3 Advanced Research Methods Laboratory

3. Statistical Methods (1.0 credit)

PSYB07H3 Data Analysis in Psychology

[PSYC08H3 Advanced Data Analysis in Psychology or PSYC09H3 Applied Multiple Regression in Psychology]

4. PSYC02H3 Scientific Communication in Psychology (0.5 credit)

5. PSYC85H3 History of Psychology (0.5 credit)

6. Personality and Clinical Psychology (1.0 credit):

PSYB30H3 Introduction to Personality

PSYB32H3 Introduction to Clinical Psychology

7. Psychosocial and Psychobiological Breadth (3.0 credits)

Students are required to take 2.0 credits from one group and 1.0 credit from the other group:

Psycho-Social Grouping

[PSYB38H3 or (PSYB45H3) Introduction to Behaviour Modification]

PSYC18H3 The Psychology of Emotion

[PSYC30H3 or (PSYC35H3) Advanced Personality Psychology]

PSYC36H3 Psychotherapy

PSYC39H3 Psychology and the Law

Psycho-Biological Grouping

[PSYB55H3 Introduction to Cognitive Neuroscience or (PSYB65H3) Human Brain and Behaviour]

PSYB64H3 Introduction to Behavioural Neuroscience

PSYC31H3 Clinical Neuropsychology

PSYC33H3 Neuropsychological Rehabilitation

PSYC38H3 Adult Psychopathology

PSYC62H3 Drugs and the Brain

8. Seminars in Psychology at the D-level (1.0 credit):

0.5 credit must come from the PSY D30-series:

PSYD30H3 Current topics in Personality Psychology

PSYD31H3 Cultural-Clinical Psychology

PSYD32H3 Personality Disorders

PSYD33H3 Current Topics in Clinical Psychology

PSYD35H3 Clinical Psychopharmacology

PSYD39H3 Cognitive Behavioural Therapy

9. Additional credits in Psychology (1.0 credits)

10. 2.0 credits from the following courses:

HLTB40H3 Health Policy and Health Systems

HLTB41H3 Introduction to the Social Determinants of Health

HLTB42H3 Perspectives of Culture, Illness and Healing

HLTB50H3 Introduction to Health Humanities

(HLTC05H3) Society, Health and Illness

HLTC22H3 Health, Aging, and the Life Cycle

HLTC23H3 Issues in Child Health and Development

HLTC42H3 Emerging Health Issues and Policy Needs

HLTC49H3 Indigenous Health

IDSB04H3 Introduction to International/Global Health

IDSC11H3 Issues in Global and International Health

LINB20H3 Sociolinguistics

PHLA11H3 Introduction to Ethics

PHLB07H3 Ethics

PHLB09H3 Biomedical Ethics
PHLB81H3 Theories of Mind
PHLC07H3 Death and Dying
PHLC10H3 Topics in Bioethics
SOCB22H3 Sociology of Gender
SOCB49H3 Sociology of Family
SOCB50H3 Deviance and Normality I
SOCC49H3 Indigenous Health

Description of Proposed Changes: Requirement 7: adding new course code PSYC35H3 for PSYC30H3 and adding PSYC38H3 as an option to the psycho-biological bin.

Rationale: PSYC35H3 was changed to PSYC30H3 to create a sequence of personality courses ranging from introductory to current topics. PSYC38H3 is a new course that will provide students with an additional C-level option to fulfill this requirement.

Impact: None.

Consultation: DCC Approval: September 17, 2020.

Resource Implications: None.

SPECIALIST PROGRAM IN NEUROSCIENCE (SCIENCE)

Completion Requirements:

Program Requirements

This program requires students to complete 6.5 credits in core courses that are common to all streams. Students completing the Systems/Behavioural and Cellular/Molecular streams will complete a further 6.5 credits for a total of 13.0 credits; students completing the Cognitive stream will complete a further 7.0 credits for a total of 13.5 credits.

CORE (6.5 credits)

1. Scientific Foundations (3.5 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
[MATA29H3 Calculus I for the Life Sciences *or* MATA30H3 Calculus I for Physical Sciences]
PSYA01H3 Introduction to Biological and Cognitive Psychology
PSYA02H3 Introduction to Clinical, Developmental, Personality and Social Psychology

2. Neuroscience Foundations (3.0 credits):

BIOB10H3 Cell Biology
NROB60H3 Neuroanatomy Laboratory
NROB61H3 Neurophysiology
PSYB55H3 Introduction to Cognitive Neuroscience
[PSYB07H3 Data Analysis in Psychology *or* STAB22H3 Statistics I]
PSYB70H3 Methods in Psychological Science

A. Systems/Behavioural Stream (6.5 credits)

3. Quantitative Logic and Reasoning (1.0 credit):

PSYC08H3 Advanced Data Analysis in Psychology
and one of the following:
CSCA20H3 Introduction to Programming
[PHYA10H3 Physics I for the Physical Sciences *or* PHYA11H3 Physics I for the Life Sciences]

4. Advanced Foundations (2.0 credits)

BIOB11H3 Molecular Aspects of Cellular and Genetic Processes

and three of the following:

NROC34H3 Neuroethology

NROC61H3 Learning and Motivation

NROC64H3 Sensorimotor Systems

NROC69H3 Synaptic Organization & Physiology of the Brain

5. Stream-specific electives (1.0 credit)

two of the following:

BIOC14H3 Genes, Environment and Behaviour

CHMB41H3 Organic Chemistry I

CHMB42H3 Organic Chemistry II

NROC36H3 Molecular Neuroscience

PSYC62H3 Drugs and the Brain

6. Breadth in Neuroscience (1.0 credit):

two of the following:

CHMB41H3*Organic Chemistry I

NROC36H3*Molecular Neuroscience

NROC69H3*Synaptic Organization & Physiology of the Brain

PSYB51H3 Introduction to Perception

PSYC51H3 Cognitive Neuroscience of Vision

PSYC52H3 Cognitive Neuroscience of Attention

PSYC57H3 Cognitive Neuroscience of Decision Making

PSYC59H3 Cognitive Neuroscience of Language

**only if not used to complete components A4 or A5 of the requirements*

7. Laboratory Course (0.5 credit):

one of the following:

NROC63H3 Behavioural Neuroscience Laboratory

NROC90H3 Supervised Study in Neuroscience

NROC93H3 Supervised Study in Neuroscience

PSYC74H3 Human Movement Laboratory

8. Capstone Courses (1.0 credit):

two of the following:

BIOD07H3 Advanced Topics and Methods in Neural Circuit Analysis

BIOD19H3 Epigenetics in Health and Disease

BIOD45H3 Animal Communication

BIOD65H3 Pathologies of the Nervous System

NROD08H3/BIOD08H3 Theoretical Neuroscience

NROD60H3 Current Topics in Neuroscience

NROD61H3 Emotional Learning Circuits

NROD66H3 Drug Addiction

NROD67H3 Neuroscience of Aging

NROD98Y3 Thesis in Neuroscience *

PSYD66H3 Current Topics in Human Brain & Behaviour

** Note : only 0.5 credit of NROD98Y3 can be counted towards the Capstone course requirement*

B. Cellular/Molecular Stream (6.5 credits)

3. Quantitative Logic and Reasoning (1.0 credit):

PSYC08H3 Advanced Data Analysis in Psychology

and one of the following:

CSCA20H3 Introduction to Programming

[PHYA10H3 Physics I for the Physical Sciences or PHYA11H3 Physics I for the Life Sciences]

4. Advanced Foundations (2.0 credits)

BIOB11H3 Molecular Aspects of Cellular and Genetic Processes
CHMB41H3 Organic Chemistry I
NROC36H3 Molecular Neuroscience
NROC69H3 Synaptic Organization & Physiology of the Brain

5. Stream-specific electives (1.0 credit)

two of the following:

BIOC12H3 Biochemistry I: Proteins & Enzymes
BIOC13H3 Biochemistry II: Bioenergetics & Metabolism
BIOC14H3 Genes, Environment and Behaviour
CHMB42H3 Organic Chemistry II
NROC34H3 Neuroethology
NROC61H3 Learning and Motivation
NROC64H3 Sensorimotor Systems
PSYC62H3 Drugs and the Brain

6. Breadth in Neuroscience (1.0 credit):

two of the following:

NROC34H3*Neuroethology
NROC61H3*Learning and Motivation
NROC64H3*Sensorimotor Systems
PSYB51H3 Introduction to Perception
PSYC51H3 Cognitive Neuroscience of Vision
PSYC52H3 Cognitive Neuroscience of Attention
PSYC57H3 Cognitive Neuroscience of Decision Making
PSYC59H3 Cognitive Neuroscience of Language
**only if not used to complete component B5 of the requirements*

7. Laboratory Course (0.5 credit):

one of the following:

BIOB12H3 Cell and Molecular Biology Laboratory
NROC60H3 Cellular Neuroscience Laboratory
NROC90H3 Supervised Study in Neuroscience
NROC93H3 Supervised Study in Neuroscience

8. Capstone Courses (1.0 credit):

two of the following:

BIOD07H3 Advanced Topics and Methods in Neural Circuit Analysis
BIOD19H3 Epigenetics in Health and Disease
BIOD65H3 Pathologies of the Nervous System
NROD08H3/BIOD08H3 Theoretical Neuroscience
NROD60H3 Current Topics in Neuroscience
NROD61H3 Emotional Learning Circuits
NROD66H3 Drug Addiction
NROD67H3 Neuroscience of Aging
NROD98Y3 Thesis in Neuroscience *
PSYD66H3 Current Topics in Human Brain & Behaviour

** Note : only 0.5 credit of NROD98Y3 can be counted towards the Capstone course requirement*

C. Cognitive Stream (7.0 credits)

3. Quantitative and Methodological Skills (1.5 credits):

PSYC02H3 Scientific Communication in Psychology
PSYC70H3 Advanced Research Methods Laboratory
[PSYC08H3 Advanced Data Analysis in Psychology or PSYC09H3 Applied Multiple Regression in Psychology]

4. Advanced Programming (1.5 credits)

MATA23H3 Linear Algebra

[[CSCA08H3 Introduction to Computer Science I and CSCA48H3 Introduction to Computer Science II]* or [PSYB03H3 Introduction to Computers in Psychological Research and PSYC03H3 Introduction to Computers in Psychological Research: Advanced Topics]]

*Note: students are strongly advised to choose the [PSYB03H3 and PSYC03H3] pairing.

5. Advanced Foundations (1.5 credits)

PSYB51H3 Introduction to Perception

and two of the following:

PSYC51H3 Cognitive Neuroscience of Vision

PSYC52H3 Cognitive Neuroscience of Attention

PSYC57H3 Cognitive Neuroscience of Decision Making

PSYC59H3 Cognitive Neuroscience of Language

6. Breadth in Neuroscience (1.0 credit):

two of the following (at least 0.5 credit must be a C-level NRO course):

BIOB11H3 Molecular Aspects of Cellular and Genetic Processes

CHMB41H3 Organic Chemistry I

NROC34H3 Neuroethology

NROC36H3 Molecular Neuroscience

NROC61H3 Learning and Motivation

NROC64H3 Sensorimotor Systems

NROC69H3 Synaptic Organization & Physiology of the Brain

7. Laboratory Course (0.5 credit):

one of the following:

NROC90H3 Supervised Study in Neuroscience

NROC93H3 Supervised Study in Neuroscience

PSYC75H3 Cognitive Psychology Laboratory

PSYC76H3 Brain Imaging Laboratory

8. Capstone Courses (1.0 credit):

two of the following:

PSYD17H3 Social Neuroscience

PSYD50H3 Current Topics in Memory and Cognition

PSYD51H3 Current Topics in Perception

PSYD54H3 Current Topics in Visual Recognition

PSYD55H3 Functional Magnetic Resonance Imaging Laboratory

PSYD66H3 Current Topics in Human Brain & Behaviour

NROD98Y3 Thesis in Neuroscience*

* Note : only 0.5 credit of NROD98Y3 can be counted towards the Capstone course requirement

Description of Proposed Changes: Requirement 8 to all streams: an important note was added regarding NROD98Y3.

Rationale: The department is only accepting 0.5 credit of the thesis course NROD98Y3 to count to ensures students take at least 2 courses at the D-level to fulfil the capstone course program fulfillment. This helps ensures proper depth of content coverage and is also keeping with D-level requirements across all Specialist programs offered by the department.

Impact: The Specialist in Neuroscience streams were introduced in Fall 2020. There is enough time for continuing students to plan to meet the capstone requirement as clarified in the proposal. There is no impact on new students.

Consultation: DCC Approval: September 17th, 2020.

Resource Implications: None

5 Course Modifications:

PSYB07H3: Data Analysis in Psychology

Exclusions: ANTC35H3 , LINB29H3, MGEB11H3/(ECMB11H3), MGEB12H3 /(ECMB12H3), PSY201H, (SOCB06H3), STAB22H3, STAB23H3, STAB52H3, STA220H, STA221H, STA250H, STA257H

Rationale: The course exclusion has been revised to add LINB29H3 due to significant overlap with this course.

Consultation: DCC Approval: September 17, 2020.

Resources: None.

PSYC35H3: Advanced Personality Psychology

Course Code: ~~PSYC35H3~~-PSYC30H3

Exclusions: (PSYC35H3), PSY337H

Rationale: The course code has changed to create a sequence of personality courses ranging from B-level introductory to D-level current topics (i.e., PSYB30H3, PSYC30H3 and PSYD30H3).

Consultation:

DCC Approval: September 17, 2020

RO Approval: July 17, 2020

Resources: None

PSYC31H3: Clinical Neuropsychology

Description:

Clinical neuropsychology is an applied science concerned with the behavioural expression of brain dysfunction. In this course , we will first examine the brain and localization of neuropsychological function. We will then explore the science and practice of clinical neuro-psychology where tests measuring different neuropsychological domains (e.g., memory, attention and so on) are employed in patient populations to infer brain dysfunction - **Students in the Specialist (Co-operative) Program in Mental Health Studies should enrol in PSYC73H3 ; not in this course .**

Exclusions: ~~PSYC73H3~~ / (PSYC32H3), (PSY393H)

Enrolment Limits: 75; Restricted to students enrolled in the Specialist/Specialist (Co-op) and Major programs in Psychology, Mental Health Studies and Neuroscience.

Students in **the Specialist program in Integrative Biology and** the Minor Program in Psychology will be admitted if space permits.

Rationale:

1. The course description and enrolment restrictions have been updated to remove Specialist Program in Integrative Biology information since this course is not a requirement for that program.
2. The course exclusions have been revised to remove PSYC73H3 as there no longer is a significant content overlap with this course. This change will also allow students in the Specialist (Co-op) Program in Mental Health Studies to enrol in both courses and count it towards their program requirements.

Consultation: DCC Approval: September 17, 2020.

Resources: None.

PSYC51H3: Cognitive Neuroscience of Vision

Prerequisites: ~~PSYB51H3~~ and [PSYB51H3 or PSYB55H3 or (PSYB65H3)] and [(PSYB01H3) or (PSYB04H3) or PSYB70H3] and [PSYB07H3 or STAB22H3 or STAB23H3]

Rationale: The course prerequisites have been revised to provide students with more flexibility to enrol in this course.

Consultation: DCC Approval: September 17, 2020.

Resources: None.

PSYD30H3: Current Topics in Personality Psychology

Recommended Preparation: PSYC30H3/(PSYC35H3)

Rationale: The course recommended preparation course has been updated to update the new course code for PSYC35H3. This ensures consistency throughout the Calendar.

Consultation: DCC Approval: September 17, 2020.

Resources: None.

Teaching and Learning (UTSC), Centre for

1 Retired Course:

CTLA10H3: Personal Health and Optimal Learning

Rationale: The course is retiring because the faculty member who developed and taught the course is retiring on June 30, 2021. Also, the deletion of this course will not impact CTL's mandate and has no direct connection to other CTL courses.

Consultation: DCC Approval: September 1, 2020

Resources: None

JOU C25H3

Field Placement

Approved | Fall 2020

Proposal Information

Changes

- Discipline Area
- Grading
- Version Start Session
- Date End
- anotherPublication

Show All ▼

Pilot

Course Code and Title

Course Designator ⓘ

JOU

Number ⓘ

C25H3

Level of Instruction ⓘ

Undergraduate

Calendar Title ⓘ

Field Placement

Abbreviated Title ⓘ

Field Placement

Previous Course Code ⓘ**Previous Course Code Exclusion**

Responsibility

Division ⓘ

University of Toronto Scarborough

Associated with (Division) ⓘ**Unit(s)** ⓘ

Arts, Culture & Media (UTSC), Department of

Associated with (Unit) ⓘ

General Information

Campus(es) ⓘ

ScarboroughCentennial

Credit Value

Fixed

Alias Course Number(s) ⓘ**Fixed Credit Value** ⓘ

0.5

Jointly Offered with Course(s) ⓘ

Governance Routing

Proposal Divisional Review ⓘ

This proposal requires full divisional review

Inclusion in Program ⓘ

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Content

Calendar Description

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 Specialist (Joint) program in Journalism.

URL ⓘ

Requisites (Text-based)

Prerequisites

Students must be in good standing and have successfully completed groups 1, 2, and be completing group 3 of the Centennial College phase of the Specialist (Joint) program in Journalism.

Corequisites

Exclusions

Recommended Preparation

Enrolment Limits

Note

Breadth and Distribution

Breadth Requirement Division

University of Toronto Scarborough

Breadth Requirements

Arts, Literature & Language

Distribution Requirements**Engineering Accreditation Units**

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Total Calculated Accreditation Units**Engineering Complementary Studies**

University of Toronto Scarborough - Divisional Data

Discipline - Academic Unit

Arts, Culture and Media

Proposed

Discipline Area

Existing

Discipline Area

Journalism

Learning Outcomes

This course will shift to a 7-week course comprising of 35 hour placement, rather than a 12 week course comprising a 24 hour placement to allow for a more concentrated engagement (roughly 5 hours per week) by the student with the real pace and work-cycle of a newsroom or media outlet. This avoids having a student-intern who is unable to engage and contribute in a meaningful way to real world works in progress. The concentrated field placement allows for continuity of tasks between days and weeks as well as longer engagement each time they visit the placement (5 hours rather than 2 hours) for a duration that is something closer to a newsroom shift as they are scheduled in the real world of work for which we are preparing students.

Topics Covered & Methods of Assessment

Topics Covered**Methods of Assessment**

Delivery

Total Instructional Hours		Intended Offering Term	Mode of Delivery	Offering/Delivery Options
Activity Type	Contact Hours	Any	In Class	Standard
Lecture				
Practical				
Tutorial				
Seminar	0			

Language of Instruction

English

Grading and Enrolment Details

Proposed

Grading

Override default grading

Enrolment Options ⓘ

Credit/No Credit

Repeatable for Credit

Course may not be repeated for credit

Existing

Grading

Standard Grading per the University Assessment and Grading Practices Policy

Proposed

H/P/F

Existing

Administrative Information

Publication

University of Toronto Scarborough - Calendar

Section(s)

Journalism

Calendar Exclusion

Proposed



Existing



Online Course Evaluations

ACORN Availability

Proposal Questions - General

Rationale and Academic Relevance ⓘ

This is a capstone, internship course that is taught at Centennial College. Students are assessed on the following elements: two assigned mid-term reports, a final reflective piece, performance and professionalism, and the employer's evaluation. The grading scale is being changed from "Standard Grading" to "Honours/Pass/Fail" since the grading of the course elements often seem arbitrary. Performance and professionalism, and the employer's evaluation, are the key elements in determining whether the student's placement is considered successful. Taking the onus off grades, and putting it on the "job" will signal to students that this is where their energies should go. This will better prepare them for the future.

Overlap of course content with current courses offered by other departments/programs ⓘ

Consultation Undertaken

This change is being made at the request of Centennial College, where the course is taught. There has been extensive consultation between the two institutions, and with the Dept of Arts, Culture and Media and the Registrar's Office at UTSC.

A motion was passed at the Joint Program Steering Committee Meeting on Nov 28th, 2019 to change the grading of this course from graded to Pass/Fail.

Departmental approval: December 9, 2019

Resources Required

None

Part of a program proposal? ⓘ

no

Proposal Questions - Undergraduate

Programs of study for which this course might be suitable ⓘ

Estimated Enrolment ⓘ

Instructor ⓘ

Revived Courses ⓘ

Proposal Attachments

Additional Proposal Documents

Course Record Attachments

Additional Course Documents

Dependencies

There are no dependencies

Admin Tools

Proposed

Date End

No Date Chosen

Existing

Date End

Summer 2020