



FOR INFORMATION

PUBLIC

OPEN SESSION

TO: UTSC Academic Affairs Committee

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DATE: February 3, 2020 for Monday, February 10, 2020

AGENDA ITEM: 9

ITEM IDENTIFICATION:

Minor Curricular Modifications, Undergraduate (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] (February 10, 2020)**

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:

- 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, prerequisites, 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 2020, for the 2020-21 academic year.

- Centre for French and Linguistics (Report: French and Linguistics)
 - 1 program change
 - MINOR PROGRAM IN ENGLISH AND CHINESE TRANSLATION (ARTS)
 - 13 course changes
- The Department of Anthropology (Report: Anthropology)
 - 3 program changes
 - MAJOR PROGRAM IN SOCIO-CULTURAL ANTHROPOLOGY (ARTS)
 - MINOR PROGRAM IN ANTHROPOLOGY (ARTS)
 - SPECIALIST PROGRAM IN SOCIO-CULTURAL ANTHROPOLOGY (ARTS)
 - 4 course changes
 - 1 course deletion
- The Department of Computer and Mathematical Sciences (Report: Computer and Mathematical Sciences)
 - 6 program changes
 - MAJOR PROGRAM IN MATHEMATICS (SCIENCE)
 - MAJOR PROGRAM IN STATISTICS (SCIENCE)
 - MINOR PROGRAM IN APPLIED STATISTICS (SCIENCE)
 - SPECIALIST PROGRAM IN COMPUTER SCIENCE (SCIENCE)
 - SPECIALIST PROGRAM IN MATHEMATICS (SCIENCE)
 - SPECIALIST PROGRAM IN STATISTICS (SCIENCE)
 - 8 course changes
- The Department of English (Report: English)
 - 23 course changes
- The Department of Historical and Cultural Studies (Report: Historical and Cultural Studies)
 - 5 program changes
 - MAJOR PROGRAM IN WOMEN'S AND GENDER STUDIES (ARTS)
 - MINOR PROGRAM IN AFRICAN STUDIES (ARTS)

- MINOR PROGRAM IN CLASSICAL STUDIES (ARTS)
 - MINOR PROGRAM IN FOOD STUDIES (ARTS)
 - MINOR PROGRAM IN WOMEN'S AND GENDER STUDIES (ARTS)
 - 41 course changes
- The Department of Management (Report: Management)
 - 17 program changes
 - SPECIALIST (CO-OPERATIVE) PROGRAM IN ECONOMICS FOR MANAGEMENT STUDIES (BACHELOR OF BUSINESS ADMINISTRATION)
 - SPECIALIST (CO-OPERATIVE) PROGRAM IN MANAGEMENT (BACHELOR OF BUSINESS ADMINISTRATION)
 - SPECIALIST (CO-OPERATIVE) PROGRAM IN MANAGEMENT AND ACCOUNTING (BACHELOR OF BUSINESS ADMINISTRATION)
 - SPECIALIST (CO-OPERATIVE) PROGRAM IN MANAGEMENT AND FINANCE (BACHELOR OF BUSINESS ADMINISTRATION)
 - SPECIALIST (CO-OPERATIVE) PROGRAM IN MANAGEMENT AND HUMAN RESOURCES (BACHELOR OF BUSINESS ADMINISTRATION)
 - SPECIALIST (CO-OPERATIVE) PROGRAM IN MANAGEMENT AND INFORMATION TECHNOLOGY (BACHELOR OF BUSINESS ADMINISTRATION)
 - SPECIALIST (CO-OPERATIVE) PROGRAM IN MANAGEMENT AND INTERNATIONAL BUSINESS (BACHELOR OF BUSINESS ADMINISTRATION)
 - SPECIALIST (CO-OPERATIVE) PROGRAM IN MANAGEMENT AND MARKETING (BACHELOR OF BUSINESS ADMINISTRATION)
 - SPECIALIST (CO-OPERATIVE) PROGRAM IN STRATEGIC MANAGEMENT (BACHELOR OF BUSINESS ADMINISTRATION)
 - SPECIALIST PROGRAM IN ECONOMICS FOR MANAGEMENT STUDIES (BACHELOR OF BUSINESS ADMINISTRATION)
 - SPECIALIST PROGRAM IN MANAGEMENT (BACHELOR OF BUSINESS ADMINISTRATION)
 - SPECIALIST PROGRAM IN MANAGEMENT AND ACCOUNTING (BACHELOR OF BUSINESS ADMINISTRATION)
 - SPECIALIST PROGRAM IN MANAGEMENT AND FINANCE (BACHELOR OF BUSINESS ADMINISTRATION)
 - SPECIALIST PROGRAM IN MANAGEMENT AND HUMAN RESOURCES (BACHELOR OF BUSINESS ADMINISTRATION)
 - SPECIALIST PROGRAM IN MANAGEMENT AND INFORMATION TECHNOLOGY (BACHELOR OF BUSINESS ADMINISTRATION)
 - SPECIALIST PROGRAM IN MANAGEMENT AND MARKETING (BACHELOR OF BUSINESS ADMINISTRATION)
 - SPECIALIST PROGRAM IN STRATEGIC MANAGEMENT (BACHELOR OF BUSINESS ADMINISTRATION)
 - 24 course changes
- The Department of Management and The Department of Computer and Mathematical Sciences (Management and Computer and Mathematical Sciences)

- 2 program changes
 - DOUBLE DEGREE: BBA, SPECIALIST PROGRAM IN MANAGEMENT AND FINANCE / HONOURS BSc, SPECIALIST PROGRAM IN STATISTICS, QUANTITATIVE FINANCE STREAM
 - DOUBLE DEGREE: BBA, SPECIALIST (CO-OPERATIVE) PROGRAM IN MANAGEMENT AND FINANCE / HONOURS BSc, SPECIALIST (CO-OPERATIVE) PROGRAM IN STATISTICS, QUANTITATIVE FINANCE STREAM
- The Department of Physical and Environmental Sciences (Report: Physical and Environmental Sciences)
 - 8 program changes
 - MAJOR PROGRAM IN CHEMISTRY (SCIENCE)
 - MAJOR PROGRAM IN ENVIRONMENTAL STUDIES (ARTS)
 - MAJOR PROGRAM IN PHYSICAL SCIENCES (SCIENCE)
 - SPECIALIST PROGRAM IN BIOLOGICAL CHEMISTRY (SCIENCE)
 - SPECIALIST PROGRAM IN CHEMISTRY (SCIENCE)
 - SPECIALIST PROGRAM IN ENVIRONMENTAL CHEMISTRY (SCIENCE)
 - SPECIALIST PROGRAM IN ENVIRONMENTAL GEOSCIENCE (SCIENCE)
 - SPECIALIST PROGRAM IN PHYSICAL AND MATHEMATICAL SCIENCES (SCIENCE)
 - 16 course changes

FINANCIAL IMPLICATIONS:

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

RECOMMENDATION:

This item is presented for information only

DOCUMENTATION PROVIDED:

1. 2020-21 Curriculum Cycle: Undergraduate Minor Curriculum Modifications for Information Report: Anthropology, dated February 10, 2020.
2. 2020-21 Curriculum Cycle: Undergraduate Minor Curriculum Modifications for Information Report: French and Linguistics, dated February 10, 2020.
3. 2020-21 Curriculum Cycle: Undergraduate Minor Curriculum Modifications for Information Report: Computer and Mathematical Sciences, dated February 10, 2020

4. 2020-21 Curriculum Cycle: Undergraduate Minor Curriculum Modifications for Information Report: Physical and Environmental Sciences, dated February 10, 2020.
5. 2020-21 Curriculum Cycle: Undergraduate Minor Curriculum Modifications for Information Report: English, dated February 10, 2020.
6. 2020-21 Curriculum Cycle: Undergraduate Minor Curriculum Modifications for Information Report: Historical and Cultural Studies, dated February 10, 2020.
7. 2020-21 Curriculum Cycle: Undergraduate Minor Curriculum Modifications for Information Report: Management, dated February 10, 2020.
8. 2020-21 Curriculum Cycle: Undergraduate Minor Curriculum Modifications for Information Report: Management and Computer and Mathematical Sciences, dated February 10, 2020.



2020-21 Curriculum Cycle

Undergraduate Minor Curriculum Modifications for Information

Report: Anthropology

February 10, 2020

Anthropology (UTSC), Department of

3 Minor Program Modifications:

MAJOR PROGRAM IN SOCIO-CULTURAL ANTHROPOLOGY (ARTS)

Completion Requirements:

Program Requirements

The Program requires completion of 8.0 credits in Anthropology including:

1. 1.0 credit as follows:

ANTA01H3 Introduction to Anthropology: Becoming Human

ANTA02H3 Introduction to Anthropology: Society, Culture and Language

2. ANTB19H3 Ethnography and the Comparative Study of Human Societies

3. ANTB20H3 Ethnography of the Global Contemporary Culture, Politics and Globalization

4. 6.0 credits at the B-level or above, of which at least 3.0 credits must be at the C- or D-level. Students must ensure that as part of Requirement 4, they complete:

a. At least 1.0 credits ~~± credit~~ in area studies courses ANTB05H3, ANTB16H3, ANTB18H3 ; ~~ANTB65H3~~ , ANTB26H3 / (ANTC89H3) , ANTB65H3, ANTD07H3

b. 0.5 credit from Ethnographic methods : ANTC70H3

c. At least 0.5 credit from among ANTD05H3, ANTD06H3, ANTD15H3, (~~and~~ ANTD24H3)

~~d. Courses in Anthropological Linguistics may be counted towards fulfilling Requirement 4.~~

Note: ANTB19H3 and ANTB20H3 are prerequisites for C- and D-level courses in the Socio-Cultural Anthropology program.

Description of Proposed Changes:

1. Requirement 3: ANTB20H3 course title change

2. Requirement 4: Added new course code ANTB26H3/(ANTC89H3). Removed retired ANTD24H3 course. Removed the Linguistic anthropology requirement as “Anthropological linguistics” is no longer taught in the Linguistics Dept.

3. Added important note

Rationale:

1. ANTB20H3 required a course title change to ensure accuracy throughout the Calendar.

2. New course code edit for ANTB26H3/(ANTC89H3) and course removal of recently retired ANTD24H3 course is necessary to ensure accuracy throughout the Calendar. “Anthropological linguistics” is no longer taught in the CFL,

therefore this requirement is no longer relevant to this program. All ANT courses are offered by the Department of Anthropology and integrated into the Anthropology curriculum. There is no impact to the program learning outcomes as a result of this change.

3. Added important note for students to ensure are aware of prerequisites for C- and D-level course in ANT

Impact: None.

Consultation: DCC Approval: Sept 25, 2019.

Resource Implications: None

MINOR PROGRAM IN ANTHROPOLOGY (ARTS)

Completion Requirements:

Program Requirements

The Program requires completion of 4.0 credits as follows:

1. 1.0 credits as follows:

ANTA01H3 Introduction to Anthropology: Becoming Human

ANTA02H3 Introduction to Anthropology: Society, Culture and Language

2. At least 1.0 credit from among the following:

ANTB14H3 Biological Anthropology: Beginnings

ANTB15H3 Contemporary Human Evolution and Variation

ANTB19H3 Ethnography and the Comparative Study of Human Societies

ANTB20H3 **Ethnography of the Global Contemporary Culture ; Politics and Globalization**

3. 2.0 additional credits in Anthropology, of which 1.0 credit must be at the C- or D-level.

Description of Proposed Changes:

Requirement 2: course title change for ANTB20H3

Rationale: The course title has been revised, this change is necessary in all programs to ensure consistency and accuracy throughout the Calendar.

Impact: None.

Consultation: DCC Approval: Oct 3, 2019

Resource Implications: None.

SPECIALIST PROGRAM IN SOCIO-CULTURAL ANTHROPOLOGY (ARTS)

Completion Requirements:

Program Requirements

The Program requires completion of 12.0 credits, as indicated below

1. 1.0 credit as follows:

ANTA01H3 Introduction to Anthropology: Becoming Human

ANTA02H3 Introduction to Anthropology: Society, Culture and Language

2. ANTB19H3 Ethnography and the Comparative Study of Human Societies

3. ANTB20H3 **Ethnography of the Global Contemporary Culture ; Politics and Globalization**

4. 10.0 credits at the B-level *or* above, of which at least 5.0 credits must be at the C- *or* D-level, including at least **1.5 credits** ~~1.0 credit~~ at the D-level. Students must ensure that as part of Requirement 4, they complete:

a. At least 1.0 credit in area studies courses: ANTB05H3, ANTB16H3, ANTB18H3 ; ~~ANTB65H3~~ , ANTB26H3 /

(ANTC89H3), ANTB65H3, or ANTD07H3

b. At least 0.5 credit in Ethnographic methods: ANTC70H3

c. At least 0.5 ~~1.0~~ credit from among ANTD05H3, ANTD06H3, or ANTD15H3; and ~~ANTD24H3~~
~~d. Courses in Anthropological Linguistics may be counted towards fulfilling Requirement 4.~~

Note : ANTB19H3 and ANTB20H3 are prerequisites for C- and D-level courses in the Socio-Cultural Anthropology program.

Description of Proposed Changes:

1. Requirement 3: ANTB20H3 course title change
2. Requirement 4: Increased D-level credit requirement from 1.0 to 1.5 credit. Added new course code ANTB26H3/(ANTC89H3). Removed retired ANTD24H3 course. Removed the Linguistic anthropology requirement as “Anthropological linguistics” is no longer taught in the Linguistics Dept.
3. Added important note

Rationale:

1. ANTB20H3 required a course title change to ensure accuracy throughout the Calendar.
2. The department has decided to increase the D-level course requirement by 0.5 because D-level courses bring opportunities for experiential learning, major projects, fieldwork, theory and advance reading to students. New course code edit for ANTB26H3/(ANTC89H3) and course removal of recently retired ANTD24H3 course is necessary to ensure accuracy throughout the Calendar. “Anthropological linguistics” is no longer taught in the CFL, therefore this requirement is no longer relevant to this program. All ANT courses are offered by the Department of Anthropology and integrated into the Anthropology curriculum. There is no impact on the program learning outcomes as a result of this change.
3. Added important note for students to ensure are aware of prerequisites for C- and D-level course in ANT

Impact: None.

Consultation: DCC Approval: Sept 25, 2019.

Resource Implications: None

4 Course Modifications:

ANTB20H3: Culture, Politics and Globalization

Title: ~~Culture, Politics and Globalization~~ Ethnography and the Global Contemporary

Abbreviated Title: ~~Culture, Politics and Globaliz~~ Ethno and the Global Contempt

Description:

How has ~~This~~ course is a further examination of approaches to the global flow study of goods, persons, technologies, human cultural diversity in an interconnected world
~~Through ethnographic accounts~~ and capital reproduced forms of inequality? Using ethnography and other media ~~documentary films~~, students examine the effects of globalization through topics like migration, race the political dimensions of culture and citizenship the global flows of technology, environmental degradation, and increasing violence while also discussing older anthropological concerns (e.g. religion, kinship networks, religious practices migration, capital and authority)
. This course enhances students’ understanding of ethnography, as a method for studying how actors engage and rework the global forces shaping their lives ~~erime~~.

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

Consultation: DCC Approval: Oct 13, 2019

Resources: None

ANTB35H3: Kids These Days: Youth, Language and Media

Description:

Around ~~Across~~ the world globe, youth is understood as liminal phase in our lives represent both positive and negative aspects of the future

. This Drawing on ethnographic examples from many cultural contexts ; this course examines asks how youthful generations form around changing language and new media technologies mark the lives of youth today. We consider social media Topics include : gender , sexuality , smartphones indigeneity , images race / ethnicity , romance class , youth activism and the question of technological determinism diaspora . Examples drawn form a variety of contexts .

Same as MDSB09H3

Prerequisites: ANTA02H3 or MDSA01H3 or [any 4.0 credits in ANT , HLT , IDS , CIT , GGR , POL , SOC or HCS courses]

Rationale:

1. The course description has been revised to better reflect the course content.
2. The course prerequisites are being expanded to provide students with more enrolment flexibility.

Consultation: DCC Approval: September 9, 2019.

Resources: None.

ANTB64H3: The Anthropology of Foods

Title: Are You What You Eat? : The Anthropology of Food Foods

Abbreviated Title:~~The Anthropology of Food~~ Are You Wht You Eat : Ant Food

Description:

This course examines the social significance of food and foodways from the perspective of cultural anthropology. We explore how the beliefs and behaviours surrounding the global production, distribution , and consumption of food, shapes and the role of food in shaping or reveals revealing cultural relations , social identities, political processes, and cultural relations . Lectures are supplemented by hands-on tutorials in the Culinaria Kitchen Laboratory forms of globalization .

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

Consultation: DCC Approval: October 11, 2019.

Resources: None.

ANTB65H3: An Introduction to Pacific Island Societies

Prerequisites: ANTA02H3 or [any 4.0 credits in ANT , HLT , IDS , CIT , GGR , POL , SOC or HCS courses]

Rationale: The course prerequisites have been revised to provide students with iwth more enrolment flexibility.

Consultation: DCC Approval: Sept 25, 2019.

Resources: None.

1 Retired Course:

ANTD24H3: The History of Anthropological Thought

Rationale:

During a departmental meeting on curriculum assessment, a review on ANTD24H3 was made specifically because it has not been taught for many years. The department has recently added a C-level course: ANTC69H3, that largely replicates what ANTD24H3 was supposed to serve. The new ANTC69H3 course fits better in the department's curriculum to address this topic.

Consultation: DCC Approval: Oct 13, 2019

Resources: None.



2020-21 Curriculum Cycle

Undergraduate Minor Curriculum Modifications for Information Report: French and Linguistics

February 10, 2020

French and Linguistics (UTSC), Centre for

1 Minor Program Modification:

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

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

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 ECTB58H3 as an optional course to the mandatory ECTB61H3 course
2. Requirement 2: course title change for LGGC66H3
3. Requirement 3 course code change for LGGC67H3

Rationale:

1. ECTB58H3 is a new course that will provide students with an option to ECTB61H3 to complete this program requirement
2. The course title update is necessary to ensure consistency throughout the Calendar
3. LGGC67H3 course code has been changed, course code changes are necessary to ensure throughout the Calendar.

Impact: None

Consultation: DCC Approval: October 21, 2019

Resource Implications: None

13 Course Modifications:

ECTB60H3: Food, Cultures and Translation

Title: Food, Cultures, ~~Cultures~~ and Translation

Abbreviated Title: Food, Cultures, ~~Cultures~~ and ~~Trans~~ Translation

Rationale: The course title has been revised to correct a grammatical error.

Consultation: DCC Approval- October 28, 2019

Resources: None.

ECTD68H3: Translation for Business and Media

Prerequisites:

ECTB61H3 and[LGGC64H3 or LGGC65H3 or LGGC66H3 ~~or LGGC67H3~~]. Students must have a minimum GPA of 70% in LGGC64H or LGGC65H(or an equivalent through an interview).

Rationale:

The course prerequisite has removed LGGC67H3 as it has had a course code change and is no longer applicable to this course.

Consultation: DCC Approval: Dec 4, 2019

ECT Faculty: November 29, 2019-

Resources: None.

ECTD69H3: Translation for Government and Public Administration

Prerequisites:

ECTB61H3 and[LGGC64H3 or LGGC65H3 or LGGC66H3 ~~or LGGC67H3~~]. Students must have a minimum GPA of 70% in LGGC64H or LGGC65H(or an equivalent through an interview).

Rationale: The course prerequisite has removed LGGC67H3 as it has had a course code change and is no longer applicable to this course.

Consultation: DCC Approval: Dec 4, 2019

ECT Faculty: Nov 29, 2019

Resources: None.

FREC10H3: Community-Based Learning in the Francophone Community

Title: ~~Community-Engaged~~ ~~Community-Based~~ Learning in the Francophone Community

Abbreviated Title: ~~Comm-Engaged~~ ~~Community-Based~~ Learning in Fr Co ~~FRE~~

Rationale:

1. Course title has been revised to accurately reflect the content covered in this course
2. The course URL was removed as it was no longer relevant

Consultation: DCC Approval October 21, 2019

Resources: None

LGGC62H3: Cultures in the East and West

Description:

This course focuses on similarities and differences between Chinese and Western cultures through a variety of cultural and literary materials. Students will further develop their language skills and cultural awareness through reading, writing, and translation.

Note: This course **does not** meet any program requirements for the Minor program in English and ~~to~~ Chinese Translation

Exclusions: (LGGB66H3),(LGGB67H3), LGGC64H3, LGGC65H3, LGGC66H3, (LGGC67H3), LGGD66H3

Rationale:

1. The course description has been revised to correct a grammatical error.
2. The course exclusion has been revised to update LGGC67H3 to LGGD66H3 (new course code)

Consultation: DCC Approval October 21, 2019

Resources: None.

LGGC63H3: Canada, China, and Beyond

Exclusions: (LGGB66H3),(LGGB67H3), LGGC64H3, LGGC65H3, LGGC66H3, LGGD66H3 / (LGGC67H3)

Rationale: The course exclusions have been updated to reflect the recent course code change for LGGC67H3 to LGGD66H3.

Consultation: DCC Approval: December 5, 2019
ECT Faculty: Nov 29, 2019

Resources: None.

LGGC64H3: Reading Chinese and English: China from the Inside Out

Description:

Intended for students who read Chinese and English well. Complex-simplified character conversion and vice versa, as well as English-Chinese and Chinese-English bilingual texts , are emphasized through reading, discussion, and translation in a variety of topics from, and outside of, Greater China, presentations, translation comparison, translation, and essay writing.

Note:

1. This course is bilingual and priority will be given to students enrolled in the Minor in English and Chinese Translation.
2. This course may be taken before or after LGGC65H3 ; LGGC66H3 ; or LGGC66H3 3 LGGC67H3 - 3 . Students who have taken this course **should may** not subsequently take LGGC60H3, LGGC61H3, LGGC62H3, or LGGC63H3 for credit.

Rationale: The course note has been revised to reflect the recent course code change to LGGC67H3.

Consultation: DCC Approval Oct 21, 2019

Resources: None.

LGGC65H3: Reading Chinese and English: Global Perspectives

Note:

1. This course is bilingual and priority will be given to students enrolled in the Minor in English and Chinese Translation.
2. This course may be taken before or after LGGC64H3 ; LGGC66H3 ; or LGGC66H3 3 LGGC67H3 - 3 . Students who have taken this course may not subsequently take LGGC60H3, LGGC61H3, LGGC62H3, or LGGC63H3 for credit.

Rationale: The course note has been revised to reflect the recent course code change to LGGC67H3.

Consultation:

DCC Approval Oct 21, 2019

Resources: None.

LGGC66H3: Classical Chinese

Title: Classical Chinese and English Translations

Abbreviated Title: Classical Chinese & Eng Trans

Description: This course examines Chinese classics and their English translations, such as ~~The~~ **the** Book of Documents, ~~The~~ **the** Analects of Confucius, ~~The~~ **the** Mencius, ~~The~~ **the** Dao De Jing , and other philosophical maxims, proverbial sayings, rhyming couplets, idioms and poems that still have an impact on Chinese language and culture today.

Prerequisites: A ~~LGGC64H3~~ or ~~LGGC65H3~~ or a working knowledge of Modern Chinese and English

Note:

1. Priority will be given to students enrolled in the Minor in English and Chinese Translation. 2. This course may be taken before or after LGGC64H3 ; ~~LGGC65H3~~ ; or LGGC65H3 3 ~~LGGC67H3-3~~ . Students who have taken this course may not subsequently take LGGC60H3, LGGC61H3, LGGC62H3, or LGGC63H3 for credit.

Rationale:

1. The course title and description have been revised to better reflect the topics and content covered in this course
2. Since LGGC67H3 is changed to LGGD66H3, the course note has been changed accordingly for consistency.

Consultation: DCC Approval: October 21, 2019

Resources: None.

LINB60H3: Comparative Study of English and Chinese

Exclusions: LGGA60H3 , LGGA61H3 ,(LINC60H3)

Rationale: The course exclusion has been revised to include LGGA60H3 and LGGA61H3 as there is a significant overlap with LINB60H3.

Consultation: DCC Approval: October 28, 2019

Resources: None

LINB98H3: Supervised Introductory Research in Linguistics

Exclusions: PSYB90H3 , ROP299Y

Rationale: New course PSYB90H3 has significant content overlap with LINB98H3 and is, therefore, being listed as an exclusion.

Consultation: Dean's Office: Jan 09, 2020

Resources: None.

PLIC24H3: First Language Acquisition

Prerequisites: ~~LINB04H3~~ or LINB06H3 and or LINB09H3

Rationale: The course prerequisites have been revised to better prepare students for this course

Consultation: DCC Approval: October 21, 2019

Resources: None.

PLIC25H3: Second Language Acquisition

Prerequisites: ~~LINA01H3~~ and † [LINB06H3 and ~~or~~ LINB09H3] or [FREB44H3 and FREB45H3 †]

Rationale: The course prerequisites have been changed to better prepare students for this course.

Consultation: DCC Approval: October 21, 2019.

Resources: None.

2020-21 Curriculum Cycle

Undergraduate Minor Curriculum Modifications for Information Report: Computer and Mathematical Sciences

February 10, 2020

Computer & Mathematical Sciences (UTSC), Department of

6 Minor Program Modifications:

MAJOR PROGRAM IN MATHEMATICS (SCIENCE)

Enrolment Requirements:

The following enrolment requirements are effective as of the Summer 2019 session; Students applying to begin the program in Summer 2019, or in any subsequent session, must meet these requirements. These requirements are not retroactive to previous academic sessions.

Enrolment in the Major Program in Mathematics is limited.

Students may apply to enter the program after completing 4.0 credits, and must have passed all of the A-level MAT and CSC courses required in the program (CSCA08H3, CSCA67H3/MATA67H3, MATA22H3, MATA31H3 and MATA37H3). Students are admitted on the basis of academic performance in program courses; **students should consult the Department of Computer and Mathematical Sciences [website](#)** for more information **about the admission requirements, please visit the following [CMS webpage](#).**

Completion Requirements:

Program Requirements

This stream requires a total of 8.5 credits, chosen so as to satisfy all of the following requirements:

1. Foundational courses - 5.5 credits from the following:

[MATA67H3 or CSCA67H3 Discrete Mathematics]
MATA22H3 Linear Algebra I for Mathematical Sciences
MATA31H3 Calculus I for Mathematical Sciences
MATA37H3 Calculus II for Mathematical Sciences
CSCA08H3 Introduction to Computer Science I
MATB24H3 Linear Algebra II
MATB41H3 Techniques of the Calculus of Several Variables I
MATB42H3 Techniques of the Calculus of Several Variables II
MATB44H3 Differential Equations I
STAB52H3 Introduction to Probability
[MATC01H3 Groups and Symmetry OR MATC15H3 Introduction to Number Theory]

2. Further analysis courses - 1.0 credit from the following:

MATB43H3 Introduction to Analysis
MATC27H3 Introduction to Topology

MATC34H3 Complex Variables

~~MATC37H3 Introduction to Real Analysis~~

MATC46H3 Differential Equations II

MATD35H3 Introduction to Discrete Dynamical Systems

MATD46H3 Partial Differential Equations

MATD67H3 - Differentiable Manifolds ~~MATD34H3 Complex Variables II~~

3. Further algebra, geometry, and discrete mathematics courses - 1.0 credit from the following:

MATC01H3 Groups and Symmetry

MATC09H3 Introduction to Mathematical Logic

MATC15H3 Introduction to Number Theory

MATC32H3 Graph Theory and Algorithms for its Applications

MATC44H3 Introduction to Combinatorics

MATC63H3 Differential Geometry

MATD01H3 Fields and Groups

MATD02H3 Classical Plane Geometries and their Transformations

MATD44H3 Topics in Combinatorics

4. Elective courses - 1.0 credit from the following:

MATB61H3 Linear Programming and Optimization

STAB57H3 Introduction to Statistics

MATD50H3 Mathematical Introduction to Game Theory

Any C- or D-level MAT, STA, or CSC course, excluding STAC32H3, STAC53H3 and STAD29H3

Recommended Writing Course

Students are urged to take a course from the following list of courses by the end of their second year.

ANTA01H3, ANTA02H3, (CLAA02H3), (CTLA19H3), CTLA01H3, ENGA10H3, ENGA11H3, ENGB06H3, ENGB07H3, ENGB08H3, ENGB09H3, ENGB17H3, ENGB19H3, ENGB50H3, (ENGB51H3), GGRA02H3, GGRA03H3, GGRB05H3, (GGRB06H3), (HISA01H3), (HLTA01H3), ACMA01H3, (HUMA01H3), (HUMA11H3), (HUMA17H3), (LGGA99H3), LINA01H3, PHLA10H3, PHLA11H3, WSTA01H3.

Description of Proposed Changes:

1. Enrolment requirement edits
2. Requirement 2: MATC37H3 and MATD34H3 removed as optional courses.
3. Requirement 2/3/4: MATD35H3, MATD44H3, MATD46H3, MATD50H3 and MATD67H3 added as optional courses to these program requirements.
4. Requirement 4: STAC32H3 & STAC53H3 added as exclusions to this program requirement

Rationale:

1. Enrolment requirements have had editorial changes to ensure accuracy and clarity.
2. MATC37H3 and MATD34H3 are removed due to low enrolment and also these courses are no longer relevant to this program requirement.
3. Adding MATD35H3, MATD44H3, MATD46H3, MATD50H3, MATD67H3 will provide students with more D-level options to complete these program requirements.
4. This is a housekeeping change. STAC32H3 and STAC53H3 need to be added to the courses excluded in this program requirement because they are non-mathematical courses intended for students enrolled in the Minor Program in Applied Statistics.

Impact: None.

Consultation: DCC Approval: June 13, 2019.

Resource Implications: None

MAJOR PROGRAM IN STATISTICS (SCIENCE)

Enrolment Requirements:

Enrolment Requirements

The following enrolment requirements are effective as of the Summer 2019 session; Students applying to begin the program in Summer 2019, or in any subsequent session, must meet these requirements. These requirements are not retroactive to previous academic sessions.

Enrolment in the Major Program in Statistics is limited.

Students may apply to enter the program after completing 4.0 credits, and must have passed all of the A-level CSC and MAT courses required for the program ([CSCA08H3 or CSCA20H3], MATA22H3, [MATA30H3 or MATA31H3] and [MATA36H3 or MATA37H3]). Students are admitted on the basis of academic performance in program courses; **students should consult the Department of Computer and Mathematical Sciences [website](#)** for more information **about the admission requirements, please visit the following [CMS webpage](#).**

Completion Requirements:

Program Requirements

This program requires 8.0 credits.

1. A-level courses

MATA22H3 Linear Algebra I for Mathematical Sciences

[CSCA08H3 Introduction to Computer Science I or CSCA20H3 Computer Science for the Sciences]

[MATA30H3 Calculus I for Physical Sciences or MATA31H3 Calculus I for Mathematical Sciences *]

[MATA36H3 Calculus II for Physical Sciences or MATA37H3 Calculus II for Mathematical Sciences *]

*The sequence MATA31H3 and MATA37H3 is recommended. MATA31H3 is the pre-requisite for MATA37H3.

2. B-level courses

MATB24H3 Linear Algebra II

MATB41H3 Techniques of the Calculus of Several Variables I

MATB42H3 Techniques of the Calculus of Several Variables II

STAB52H3 An Introduction to Probability*

STAB57H3 An Introduction to Statistics*

3. Upper-level courses

STAC67H3 Regression Analysis*

and

2.0 credits from the following:

any C- or D-level (~~or 300-400 on St. George~~) STA courses, except: STAC32H3 STAC53H3 and STAD29H3

and

1.0 credit from the following:

ACTB40H3, or any C- or D-level (~~or 300-400 on St. George~~) CSC, MAT or STA courses

*STAB52H3, STAB57H3, STAC67H3 - These courses must be taken at UTSC. No substitutes are permitted without permission of the program supervisor.

Description of Proposed Changes:

1. Enrolment requirement edits
2. Requirement 3: Removed UTSG note as optional courses to complete this program requirement.

Rationale:

1. Enrolment requirements had editorial changes to ensure content accuracy and clarity.
2. UTSC has decided to remove UTSG courses since the department has several upper-level courses (8 at C-level and 5 at D-level) to serve the Statistics Major program without relying on UTSG courses. Moreover, UTSC students are having trouble getting into UTSG STA courses. Students can still take courses at UTSG, but only with the approval of the program supervisor.

Impact: None

Consultation: DCC Approval: October 7, 2019.

Resource Implications: None.

MINOR PROGRAM IN APPLIED STATISTICS (SCIENCE)

Description:

Supervisor of Studies: K. Butler Email: butler@utsc.utoronto.ca

This program may not be combined with any Major or Specialist Program in Computer Science, Mathematics or Statistics.

Description of Proposed Changes: Program Description statement: Adding program combination statement.

Rationale: This note is important for clarity purpose. Students should not be combining the Minor Program in Applied Statistics with other CMS programs because they risk not gaining enough distinct credits to fulfill their degree requirements.

Impact: None

Consultation: DCC Approval: October 7, 2019.

Resource Implications: None

SPECIALIST PROGRAM IN COMPUTER SCIENCE (SCIENCE)

Enrolment Requirements:

The following enrolment requirements are effective as of the Summer 2019 session; Students applying to begin the program in Summer 2019, or in any subsequent session, must meet these requirements. These requirements are not retroactive to previous academic sessions.

Enrolment in the Specialist in Computer Science (all streams) is limited. Students may apply to enter the program after completing 4.0 credits, and must have passed all of the A-level CSC and MAT courses required in the program (CSCA08H3, CSCA48H3, CSCA67H3, MATA22H3, MATA31H3, and MATA37H3). Students are admitted on the basis of academic performance in program courses; **students should consult the Department of Computer and Mathematical Sciences [website](#)** for more information **about the admission requirements, please visit the following [CMS webpage](#).**

Admission to the Entrepreneurship stream also requires the submission of a Supplementary Application Form (SAF) available on the Department of Computer and Mathematical Sciences [website](#).

Students who are not admitted as above, and who are enrolled in the Minor in Computer Science, may apply after completing at least 7.5 credits, including the core A-level courses listed above as well as CSCB07H3, CSCB09H3, CSCB36H3 and one of MATB24H3 or STAB52H3. Students are admitted on the basis of academic performance in program courses; **students should consult the Department of Computer and Mathematical Sciences [website](#)** for more information **about the admission requirements, please visit the following [CMS webpage](#).**

*These courses have a CS subject POSt or minimum CGPA prerequisite.

To remain in the program, a student must maintain a CGPA of 2.0 or higher throughout the program.

Completion Requirements:

Program Requirements

The program requirements comprise a core of 18 courses (9.0 credits), common to all streams and additional requirements which depend on the stream, for a total of 27 courses (13.5 credits) for the Comprehensive, Software Engineering, and Entrepreneurship streams, and 29 courses (14.5 credits) for the Information Systems stream.

Note: Many Computer Science courses are offered both at U of T Scarborough and at the St. George campus. When a course is offered at both campuses in a given session, U of T Scarborough students are expected to take that course at U of T Scarborough. The Department of Computer Science at the St. George campus cannot guarantee space for U of T Scarborough students in their courses, especially those offered at both campuses.

Core (9.0 credits)

1. Writing Requirement (0.5 credit)*

0.5 credit from the following: ANTA01H3, ANTA02H3, (CLAA02H3), (CTLA19H3), CTLA01H3, ENGA10H3, ENGA11H3, ENGB06H3, ENGB07H3, ENGB08H3, ENGB09H3, ENGB17H3, ENGB19H3, ENGB50H3, (ENGB51H3), GGRA02H3, GGRA03H3, GGRB05H3, (GGRB06H3), (HISA01H3), (HLTA01H3), ACMA01H3, (HUMA01H3), (HUMA11H3), (HUMA17H3), (LGGA99H3), LINA01H3, PHLA10H3, PHLA11H3, WSTA01H3.

***Note:** It is recommended that this requirement be satisfied by the end of the second year.

2. A-level courses (3.0 credits)

CSCA08H3 Introduction to Computer Science I
CSCA48H3 Introduction to Computer Science II
CSCA67H3 Discrete Mathematics
MATA22H3 Linear Algebra I for Mathematical Sciences
MATA31H3 Calculus I for Mathematical Sciences
MATA37H3 Calculus II for Mathematical Sciences

3. B-level courses (3.5 credits)

CSCB07H3 Software Design
CSCB09H3 Software Tools and Systems Programming
CSCB36H3 Introduction to the Theory of Computation
CSCB58H3 Computer Organization
CSCB63H3 Design and Analysis of Data Structures
MATB24H3 Linear Algebra II
STAB52H3 Introduction to Probability

4. C-level courses (1.5 credits)

CSCC43H3 Introduction to Databases
CSCC69H3 Operating Systems
CSCC73H3 Algorithm Design and Analysis

5. D-level courses (0.5 credit)

CSCD03H3 Social Impact of Information Technology

A. Comprehensive Stream

This stream requires a total of 27 courses (13.5 credits). In addition to the core requirements 1-5 common to all streams, 9 other distinct courses (4.5 credits) must be chosen satisfying all of the following requirements:

6. Additional required courses (2.5 credits)

CSCC24H3 Principles of Programming Languages
CSCC37H3 Introduction to Numerical Algorithms for Computational Mathematics
CSCC63H3 Computability and Computational Complexity
CSCD37H3 Analysis of Numerical Algorithms for Computational Mathematics
MATB41H3 Techniques of the Calculus of Several Variables I

7. Electives from courses on computer systems and applications (1.0 credit)

Choose from:

CSCC01H3 Introduction to Software Engineering
CSCC09H3 Programming on the Web
CSCC10H3 Human-Computer Interaction
CSCC11H3 Introduction to Machine Learning and Data Mining
CSCC46H3 Social and Information Networks
CSCC85H3 Introduction to Embedded Systems

CSCD01H3 Engineering Large Software Systems
CSCD18H3 Computer Graphics
CSCD27H3 Computer and Network Security
CSCD43H3 Database System Technology
CSCD58H3 Computer Networks
CSCD70H3 Compiler Optimization
CSCD84H3 Artificial Intelligence
CSC320H Visual Computing
CSC321H Introduction to Neural Networks and Machine Learning
CSC401H Natural Language Computing
CSC469H Operating Systems Design and Implementation
CSC485H Computational Linguistics
CSC488H Compilers and Interpreters

8. Electives from courses related to the theory of computing (0.5 credit)

Choose from:

MATC09H3 Introduction to Mathematical Logic
MATC32H3 Graph Theory and Algorithms for its Applications
MATC44H3 Introduction to Combinatorics
MATD16H3 Coding Theory and Cryptography
CSC438H Computability and Logic
CSC448H Formal Languages and Automata
CSC465H Formal Methods in Software Design

9. CSC, MAT, or STA elective (0.5 credit)

Any C- or D-level CSC, MAT, or STA course, excluding MATC82H3, MATC90H3, [STAC32H3](#), [STAC53H3](#) and STAD29H3.

B. Software Engineering Stream

This stream requires a total of 27 courses (13.5 credits). In addition to the core requirements 1-5 common to all streams, 9 other distinct courses (4.5 credits) must be chosen satisfying all of the following requirements:

6. Additional required courses (3.0 credits)

CSCC01H3 Introduction to Software Engineering
CSCC24H3 Principles of Programming Languages
CSCC37H3 Introduction to Numerical Algorithms for Computational Mathematics
CSCC63H3 Computability and Computational Complexity
CSCD01H3 Engineering Large Software Systems
MATB41H3 Techniques of the Calculus of Several Variables I

7. Electives from courses on computer systems and applications (1.5 credits)

Choose from:

CSCC09H3 Programming on the Web
CSCC10H3 Human-Computer Interaction
CSCC11H3 Introduction to Machine Learning and Data Mining
CSCC46H3 Social and Information Networks
CSCC85H3 Introduction to Embedded Systems
CSCD18H3 Computer Graphics
CSCD27H3 Computer and Network Security
CSCD43H3 Database System Technology
CSCD58H3 Computer Networks
CSCD70H3 Compiler Optimization
CSCD84H3 Artificial Intelligence
CSC320H Visual Computing
CSC321H Introduction to Neural Networks and Machine Learning
CSC401H Natural Language Computing
CSC469H Operating Systems Design and Implementation
CSC485H Computational Linguistics

CSC488H Compilers and Interpreters

C. Information Systems Stream

This stream requires a total of 29 courses (14.5 credits). In addition to the core requirements 1-5 common to all streams, 11 other distinct courses (5.5 credits) must be chosen satisfying all of the following requirements:

6. Required management courses (1.5 credits)

MGTA01H3 Introduction to Business

MGTA02H3 Managing the Business Organization

MGHB02H3 Managing People and Groups in Organizations

7. Additional required mathematics and computer science courses (3.0 credits)

CSCC01H3 Introduction to Software Engineering

CSCC37H3 Introduction to Numerical Algorithms for Computational Mathematics

CSCC63H3 Computability and Computational Complexity

CSCD01H3 Engineering Large Software Systems

CSCD43H3 Database System Technology

MATB41H3 Techniques of the Calculus of Several Variables I

8. Electives from courses on computer systems and applications (1.0 credit)

Choose from:

CSCC09H3 Programming on the Web

CSCC10H3 Human-Computer Interaction

CSCC11H3 Introduction to Machine Learning and Data Mining

CSCC46H3 Social and Information Networks

CSCC85H3 Introduction to Embedded Systems

CSCD18H3 Computer Graphics

CSCD27H3 Computer and Network Security

CSCD58H3 Computer Networks

CSCD70H3 Compiler Optimization

CSCD84H3 Artificial Intelligence

CSC320H Visual Computing

CSC321H Introduction to Neural Networks and Machine Learning

CSC401H Natural Language Computing

CSC469H Operating Systems Design and Implementation

CSC485H Computational Linguistics

CSC488H Compilers and Interpreters

D. Entrepreneurship Stream

This stream requires a total of 27 courses (13.5 credits). In addition to the core requirements 1-5 common to all streams, 9 other distinct courses (4.5 credits) must be chosen satisfying all of the following requirements:

6. Additional required courses (3.0 credits)

CSCC01H3 Introduction to Software Engineering

CSCC37H3 Introduction to Numerical Algorithms for Computational Mathematics

CSCC63H3 Computability and Computational Complexity

CSCD01H3 Engineering Large Software Systems

CSCD54H3 Technology Innovation and Entrepreneurship

CSCD90H3 The Startup Sandbox

7. Electives from courses in computer science, mathematics, and statistics (1.5 credits)

Choose from:

CSCC09H3 Programming on the Web

CSCC10H3 Human-Computer Interaction

CSCC11H3 Introduction to Machine Learning and Data Mining

CSCC24H3 Principles of Programming Languages

CSCC46H3 Social and Information Networks

CSCC85H3 Introduction to Embedded Systems

CSCD18H3 Computer Graphics
CSCD27H3 Computer and Network Security
CSCD43H3 Database System Technology
CSCD58H3 Computer Networks
CSCD70H3 Compiler Optimization
CSCD84H3 Artificial Intelligence
MATB41H3 Techniques of the Calculus of Several Variables I
STAB57H3 Introduction to Statistics
CSC320H Visual Computing
CSC321H Introduction to Neural Networks and Machine Learning
CSC401H Natural Language Computing
CSC469H Operating Systems Design and Implementation
CSC485H Computational Linguistics
CSC488H Compilers and Interpreters

Description of Proposed Changes:

1. Editorial changes to enrolment requirements
2. Requirement 9 (A. Comprehensive Stream): Addition of STAC32H3 & STAC53H3 to list of courses students as exclusions to this program requirement.

Rationale:

1. Editorial changes are necessary to ensure accuracy and clarity in the enrolment requirement section.
2. Addition of STAC32H3 & STAC53H3 to list of course exclusion because these courses are non-mathematical courses intended for students enrolled in the Minor Program in Applied Statistics.

Impact: None

Consultation: DCC Approval: October 7, 2019.

Resource Implications: None

SPECIALIST PROGRAM IN MATHEMATICS (SCIENCE)

Enrolment Requirements:

The following enrolment requirements are effective as of the Summer 2019 session; Students applying to begin the program in Summer 2019, or in any subsequent session, must meet these requirements. These requirements are not retroactive to previous academic sessions.

Enrolment in the Specialist Program in Mathematics (all streams) is limited.

Students may apply to enter the program after completing 4.0 credits, and must have passed all of the A-level MAT and CSC courses required in the program ([CSCA08H3 or CSCA20H3], CSCA67H3/MATA67H3, MATA22H3, MATA31H3, and MATA37H3). Students are admitted on the basis of academic performance in program courses; **students should consult the Department of Computer and Mathematical Sciences [website](#)** for more information **about the admission requirements, please visit the following [CMS webpage](#).**

Completion Requirements:

Program Requirements

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

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

Core (7.5 credits)

1. Writing Requirement (0.5 credit) (*)

0.5 credits from the following: ANTA01H3, ANTA02H3, (CLAA02H3), (CTLA19H3), CTLA01H3, ENGA10H3, ENGA11H3, ENGB06H3, ENGB07H3, ENGB08H3, ENGB09H3, ENGB17H3, ENGB19H3, ENGB50H3, (ENGB51H3), GGRA02H3, GGRA03H3, GGRB05H3, (GGRB06H3), (HISA01H3), (HLTA01H3), ACMA01H3, (HUMA01H3), (HUMA11H3), (HUMA17H3), (LGGA99H3), LINA01H3, PHLA10H3, WSTA01H3.

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

2. A-level courses (2.5 credits)

[CSCA08H3 Introduction to Computer Science I or CSCA20H3 Introduction to Programming]
MATA22H3 Linear Algebra I for Mathematical Sciences
MATA31H3 Calculus I for Mathematical Sciences
MATA37H3 Calculus II for Mathematical Sciences
[MATA67H3 or CSCA67H3 Discrete Mathematics]

3. B-level courses (3.5 credits)

MATB24H3 Linear Algebra II
MATB41H3 Techniques of the Calculus of Several Variables I
MATB42H3 Techniques of the Calculus of Several Variables II
MATB43H3 Introduction to Analysis
MATB44H3 Differential Equations I
STAB52H3 Introduction to **Probability** **Probablity** (* *)
STAB57H3 Introduction to Statistics (* *)
(* *) This course may be taken after second year, except for the Statistics stream.

4. C-level courses (1.0 credit)

MATC01H3 Groups and Symmetry
MATC34H3 Complex Variables

A. Comprehensive Stream

This stream requires a total of 27 courses (13.5 credits) In addition to the core requirements 1-4 common to all streams, 12 other distinct courses must be chosen satisfying all of the following requirements:

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

1.5 credits from the following :

MATC37H3 Introduction to Real Analysis
MATC46H3 Differential Equations II
MATD01H3 Fields and Groups
MATD35H3 Introduction to Discrete Dynamical Systems
MATD46H3 Partial Differential Equations

6. Courses in key areas of mathematics (1.0 credit):

1.0 credit from the following:
MATC15H3 Introduction to Number Theory
MATC27H3 Introduction to Topology
MATC63H3 Differential Geometry
MATD02H3 Classical Plane Geometries and their Transformations
MATD34H3 Complex Variables II

7. Mathematics of computation (1.0 credit):

1.0 credit from the following:
CSCC37H3 Introduction to Numerical Algorithms for Computational Mathematics
CSCC63H3 Computability and Computational Complexity
CSCC73H3 Algorithm Design and Analysis
MATC09H3 Introduction to Mathematical Logic
MATC32H3 Graph Theory and Algorithms for its Applications
MATC44H3 Introduction to Combinatorics
MATD16H3 Coding Theory and Cryptography
MATD44H3 Topics in Combinatorics

8. Electives (2.5 credits):

2.5 credits from CSC/MAT/STA/PHY of which at least 1.5 must be at the C- or D-level MAT courses (excluding MATC90H3).

B. Statistics Stream

This stream requires a total of 26 courses (13.0 credits). In addition to the core requirements 1-4 common to all streams, 11 other distinct courses must be chosen, satisfying all of the following requirements (in choosing courses to satisfy requirements 7-9, students must select at least one D-level course).

5. Algebra and Analysis (1.5 credits):

MATB61H3 Linear Programming and Optimization
MATC46H3 Differential Equations II
MATD01H3 Fields and Groups

6. Statistics ~~Regression Analysis~~ (1.5 credits ~~0.5 credit~~):

STAC58H3 Statistical Inference
STAC62H3 Stochastic Processes
STAC67H3 Regression Analysis

7. Discrete mathematics and geometry (0.5 credit):

0.5 credit from the following:
MATC32H3 Graph Theory and Algorithms for its Applications
MATC44H3 Introduction to Combinatorics
MATD02H3 Classical Plane Geometries and their Transformations
MATD44H3 Topics in Combinatorics
MATD50H3 Mathematical Introduction to Game Theory

8. Upper-level MAT electives (1.0 credit):

1.0 credit from any C- or D-level MAT courses (*)
(*) For students wishing to pursue graduate studies in Mathematics or Statistics it is recommended that MATC37H3 be chosen as one of these two courses.

9. Upper-level STA electives (1.0 credit ~~2.0 credits~~):

1.0 credit ~~2.0 credits~~ from the following:
(ACTB47H3) Introductory Life Contingencies
Any C- or D-level STA course, excluding STAC32H3 , STAC53H3 and STAD29H3

C. Teaching Stream

This stream requires a total of 26 courses (13.0 credits). In addition to the core requirements 1-4 common to all streams, 11 other distinct courses must be chosen, satisfying all of the following requirements:

5. Algebra, analysis, and geometry (1.5 credits):

1.5 credits from the following :
MATC15H3 Introduction to Number Theory
MATD01H3 Fields and Groups
MATD02H3 Classical Plane Geometries and their Transformations
MATD35H3 Introduction to Discrete Dynamical Systems
MATD46H3 Partial Differential Equations

6. Discrete mathematics (0.5 credit):

0.5 credit from the following:
MATC32H3 Graph Theory and Algorithms for its Applications
MATC44H3 Introduction to Combinatorics
MATD44H3 Topics in Combinatorics

7. MAT electives (1.5 credits):

1.5 credits of any C- or D-level MAT courses

8. MAT/STA/CSC electives (2.0 credits):

2.0 credits of any C- or D-level MAT, STA, CSC courses, excluding [STAC32H3](#) , [STAC53H3](#) and [STAD29H3](#)
It is recommended that students obtain a TA-ship within the Department of Computer and Mathematical Sciences.

Description of Proposed Changes:

1. Enrolment requirement edits
2. Requirement 3: STAB52H3 title correction
3. Requirement 5/7 (A. Comprehensive Stream): Added MATD35H3, MATD44H3 and MATD46H3 as optional courses
4. Requirement 6 (B. Statistics Stream): changed title to Statistics and increased total credit from 0.5 to 1.5. All courses are now required courses
5. Requirement 9 (B. Statistics Stream): reduce total credit from 2.0 to 1.0 and adding [STAC32H3](#) and [STAC53H3](#) as exclusions to course options.
6. Requirement 5 (C. Teaching Stream): removed MATC15H3
7. Requirement 5/6 (C. Teaching Stream): adding MATC15H3, MATD35H3, MATD46H3 and MATD44H3 Four new D-level courses were introduced: MATD35H3, MATD44H3, MATD46H3 and MATD50H3.

Rationale:

1. Enrolment requirements have editorial changes to ensure accuracy and clarity.
2. STAB52H3 title originally had a typo and required spelling correction.
3. The addition of the D-level courses will provide students with more flexibility to complete this program requirement in this stream.
4. Changing Requirement 6 (B. Statistic Stream) title to simplify the title. Increasing the total credit by 1.0 to ensure students are taking these required courses in this stream as they are used as prerequisites for several D-level courses.
5. Addition of the STA exclusion done as housekeeping, decrease in requirement by 1.0 to ensure the program total credit is not impacted.
6. Removed MATC15H3 as it is no longer relevant to this stream/requirement
7. The addition of these D-level courses will provide students with more options to complete this program requirement in this stream.

Impact: None.

Consultation: DCC Approval: June 13, 2019.

Resource Implications: None

SPECIALIST PROGRAM IN STATISTICS (SCIENCE)

Enrolment Requirements:

Enrolment in the Specialist in Statistics(all streams)is limited. Students may apply to enter the program after completing 4.0 credits, and must have passed all of the core A-level courses in the program (CSCA08H3, CSCA48H3, MATA22H3, MATA30H3/MATA31H3, and MATA36H3/MATA37H3). Students are admitted on the basis of academic performance in program courses; **students should consult the Department of Computer and Mathematical Sciences [website](#)** for more information **about the admission requirements , please visit the following [CMS webpage](#) .**

Students who are not admitted as above ; may apply after completing at least 7.5 credits, including the core A-level courses listed above as well as MATB24H3, MATB41H3, MATB61H3, STAB52H3, and STAB57H3. Students are admitted on the basis of **academic performance in program courses; performance; students should consult the Department of Computer and Mathematical Sciences [website](#)** for more information **about the admission requirements , please visit the following [CMS webpage](#) .**

Completion Requirements:

Program Requirements

To complete the program, a student must meet the course requirements described below.

The first year requirements of the two streams are almost identical, except that the Quantitative Finance stream requires MGEA02H3 while the Statistical Machine Learning and Data Science stream requires [CSCA67H3 or MATA67H3]; these courses need not be taken in the first year. In the second year the two streams have considerable overlap. This structure makes it relatively easy for students to switch between the two streams as their interests in Statistics become better defined.

Note: There are courses on the St. George campus that can be taken to satisfy some of the requirements of the program. STAB52H3, STAB57H3 and STAC67H3, however, must be taken at the University of Toronto Scarborough; no substitutes are permitted without permission of the program supervisor.

Core (7.5 credits)

1. Writing Requirement (0.5 credit) (*)

0.5 credit from the following: ANTA01H3, ANTA02H3, (CLAA02H3), (CTLA19H3), CTLA01H3, ENGA10H3, ENGA11H3, ENGB06H3, ENGB07H3, ENGB08H3, ENGB09H3, ENGB17H3, ENGB19H3, ENGB50H3, (ENGB51H3), GGRA02H3, GGRA03H3, GGRB05H3, (GGRB06H3), (HISA01H3), (HLTA01H3), ACMA01H3, (HUMA01H3), (HUMA11H3), (HUMA17H3), (LGGA99H3), LINA01H3, PHLA10H3, PHLA11H3, WSTA01H3.

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

2. A-level courses (2.5 credits)

CSCA08H3 Introduction to Computer Science I
CSCA48H3 Introduction to Computer Science II
MATA22H3 Linear Algebra I or Mathematical Sciences

and

0.5 credit from the following:

MATA31H3*Calculus I for Mathematical Sciences
MATA30H3 Calculus I for Physical Sciences

and

0.5 credit from the following:

MATA37H3*Calculus II for Mathematical Sciences
MATA36H3 Calculus II for Physical Sciences

(*) MATA31H3 and MATA37H3 are recommended; the latter requires the former.

3. B-level courses (2.5 credits)

MATB24H3 Linear Algebra II
MATB41H3 Techniques of the Calculus of Several Variables I
MATB61H3 Linear Programming and Optimization
STAB52H3 Introduction to Probability
STAB57H3 Introduction to Statistics

4. C-level courses (1.5 credits)

CSCC37H3 Introduction to Numerical Algorithms for Computational Mathematics
STAC62H3 Stochastic Processes
STAC67H3 Regression Analysis

5. D-level courses (0.5 credit)

STAD37H3 Multivariate Analysis

A. Quantitative Finance Stream

This stream requires a total of 26 courses (13.0 credits). In addition to the core requirements, 11 other courses (5.5 credits) must be taken satisfying all of the following requirements:

6. Additional A-level courses (0.5 credit)

MGEA02H3 Introduction to Microeconomics: A Mathematical Approach

7. Additional B-level courses (2.0 credits)

ACTB40H3 Fundamentals of Investment and Credit

MATB42H3 Techniques of Calculus of Several Variables II
MATB44H3 Differential Equations I
STAB41H3 Financial Derivatives

8. Additional Upper Level courses (3.0 credits)

MATC46H3 Differential Equations II
STAC70H3 Statistics and Finance I
STAD57H3 Time Series Analysis
STAD70H3 Statistics and Finance II
and

1.0 credit from the following:

CSCC11H3 Introduction to Machine Learning and Data Mining
MATC37H3 Introduction to Real Analysis
STAC51H3 Categorical Data Analysis
STAC58H3 Statistical Inference
STAC63H3 Probability Models
STAD68H3 Advanced Machine Learning and Data Mining
STAD94H3 Statistics Project
APM462H1 Nonlinear Optimization

Note : Students enrolled in this stream should also consider taking complementary courses in economics and finance (e.g. MGEA06H3, MGEB02H3, MGEB06H3, MGEC72H3), or a Minor in Economics for Management Studies.

B. Statistical Machine Learning and Data Science Stream

This stream requires a total of 26 courses (13.0 credits). In addition to the core requirements, 11 other courses (5.5 credits) must be taken satisfying all of the following requirements:

6. Additional A-level courses (0.5 credit)

[CSCA67H3 or MATA67H3 Discrete Mathematics]

7. Additional B-level courses (2.0 credits)

CSCB07H3 Software Design
CSCB20H3 Introduction to Databases and Web Applications
CSCB36H3 Introduction to the Theory of Computation
CSCB63H3 Design and Analysis of Data Structures

8. Additional Upper Level courses (3.0 credits)

CSCC11H3 Introduction to Machine Learning and Data Mining
STAC58H3 Statistical Inference

[STAD68H3 Advanced Machine Learning and Data Mining or STAD78H3 Machine Learning Theory]

and

1.5 credits from the following ():*

Any C or D-level CSC, MAT or STA courses, excluding: STAC32H3, STAC53H3 and STAD29H3, 1.0 credit must be STA courses.

(*) Some of the courses on this list have prerequisites that are not included in this program; in choosing courses to satisfy this requirement, check the prerequisites carefully and plan accordingly.

Description of Proposed Changes:

1. Enrolment requirement edits
2. Requirement 8: Addition of new STAD78H3 course as an optional course to STAD68H3.

Rationale:

1. Enrolment requirement has had editorial changes to ensure accuracy and clarity.
2. This will allow students an additional D-level option course in Machine Learning (ML) to complete this program requirement.

Impact: None

Consultation: DCC Approval: October 7, 2019.

Resource Implications: None

8 Course Modifications:

CSCD03H3: Social Impact of Information Technology

Prerequisites:

14.0 credits and enrolment in a Computer Science Subject **POSt**. Restricted to students in the Specialist / Specialist Co-op programs in Computer Science or in the Specialist / Specialist Co-op programs in Management and Information Technology **POSt**.

Rationale: The course prerequisite has been revised to ensure only students in Specialist/Specialist Co-op MIT and CMS programs are permitted in the course

Consultation: DCC Approval: October 7th, 2019.

Resources: None

STAB57H3: An Introduction to Statistics

Exclusions: **MGEB11H3** , **PSYB07H3** , STAB22H3, STAB23H3, STA220H1, STA261H

Rationale: The course exclusions have been revised to add PSYB07H3 and MGEB11H3 as there is a significant overlap with these courses and STAB57H3.

Consultation:

DCC Approval: October 7th, 2019.

Department of Psychology consultation: Nov. 28, 2019

Department of Management consultation: Nov. 24, 2019

Resources: None

STAC32H3: Applications of Statistical Methods

Prerequisites: STAB27H3 ~~or STAB57H3~~ or MGEB12H3 ~~or (ECMB12H3)~~ or PSYC08H3 or STA221H1 ~~or STA248H1~~ ~~or STA261H1~~

Exclusions: **STAC33H3**

Rationale:

1. The removed prerequisites are no longer appropriate for this course.
2. The course exclusion has added STAC33H3 since this course includes similar material to STAC32H3, but also includes material appropriate for a more mathematically-sophisticated student population.

Consultation: DCC Approval: October 7th, 2019.

Resources: None

STAC50H3: Data Collection

Prerequisites:

STAB57H3 ~~or STA248H1~~ or STA261H1 . Students enrolled in the Minor program in Applied Statistics must take STAC53H3.

Exclusions: STA304H, **STAC53H3**

Rationale:

1. The course prerequisite has been revised to ensure students are better prepared for this course.
2. The course exclusion has been revised because there is a significant overlap between the content covered in STAC53H3 and STAC50H3

Consultation: DCC Approval: October 7th, 2019.

Resources: None

STAC51H3: Categorical Data Analysis

Exclusions: STA303H1

Rationale: The course exclusion has been revised to include STA303H1 as there is a significant overlap in content with STAC51H3.

Consultation: DCC Approval: October 7th, 2019.

Resources: None

STAC53H3: Applied Data Collection

Description:

This course introduces the principles, objectives and methodologies of proper collection of data collection. The course focuses on understanding the rationale for the various approaches statistical analysis; and techniques to collecting data and choosing appropriate adjust statistical techniques for data analysis analyse s when these principles cannot be implemented. Topics covered include elements of sampling problems relationships among variables; causal relationships; confounding, simple random sampling, stratified sampling experimental designs, ratio, regression, and difference estimation, systematic sampling, cluster sampling observational studies, elements of designed experiments, completely randomized design causal inference, randomized block design, and factorial experiments meta-analysis. The Statistical analyses using R statistical software package is used to illustrate statistical examples in the course. Emphasis is placed on the effective communication of statistical results.

Prerequisites: STAB27H3 or STAB57H3 or MGE12H3 or PSYC08H3 or STA221H1 or STA248H1 or STA261H1

Rationale:

1. The course description has been revised to better reflect the content and topics covered in the course.
2. The course prerequisites has been revised to better prepare students for the course.

Consultation: DCC Approval: October 7th, 2019.

Resources: None

STAC67H3: Regression Analysis

Exclusions: STA302H, MGE12H3

Rationale: The course exclusions have been revised to include MGE12H3 as there is a significant overlap with STAC67H3.

Consultation: DCC Approval: October 7th, 2019.
Department of Management Consultation: Oct 7, 2019.

Resources: None

STAD29H3: Statistics for Life & Social Scientists

Exclusions: All C-level/300-level and D-level/400-level STA courses or equivalents except STAC32H3 ; ~~STAC50H3~~ ; ~~STAC51H3~~ , STAC53H3, ~~STAC51H3~~ and STA322H.

Rationale: The course exclusions have been revised to reflect only courses that have a significant overlap with STAD29H3 are listed.

Consultation: DCC Approval: October 7th, 2019.

Resources: None



2020-21 Curriculum Cycle

Undergraduate Minor Curriculum Modifications for Information Report: Physical and Environmental Sciences

February 10, 2020

Physical & Environmental Sciences (UTSC), Department of

8 Minor Program Modifications:

MAJOR PROGRAM IN CHEMISTRY (SCIENCE)

Description:

Supervisor: S. Mikhaylichenko (416-287-7207) Email: mikhay@utsc.utoronto.ca

The Major program in Chemistry provides students with This Program offers the possibility of obtaining an introduction to all major of the sub-disciplines within chemistry, including analytical, biological, inorganic, organic and physical chemistry. Students will develop both theoretical knowledge and practical lab skills throughout their course work. This program is intended for students who are interested in chemistry, but who do not wish to complete the more focused specialist program of Chemistry.

Completion Requirements:

Program Requirements

Students should complete the following 8.5 credits:

First Year:

CHMA10H3 Introductory Chemistry I: Structure and Bonding

[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms or CHMA12H3 Advanced General Chemistry]

MATA30H3 Calculus I for Physical Sciences

MATA36H3 Calculus II for Physical Sciences

PHYA10H3 Physics I for the Physical Sciences

PHYA21H3 Physics II for the Physical Sciences

Second and Later Years:

CHMB16H3 Techniques in Analytical Chemistry

CHMB23H3 Introduction to Chemical Thermodynamics and Kinetics: Theory and Practice

CHMB31H3 Introduction to Inorganic Chemistry

CHMB41H3 Organic Chemistry I

CHMB42H3 Organic Chemistry II

CHMB62H3 Introduction to Biochemistry

and

2.5 credits in CHM of which at least 2.0 credits must be at the C- or D-level and 0.5 credit at the D-level. 0.5 of these C- or D-level credits must include a laboratory component.**

** Students should note that if they are going to select CHMC20H3/CHMC21H3, MATA23H3 and MATB41H3 will need to be taken in addition to their other program requirements.

Note: This program cannot be combined with the Major Program in

Biochemistry. **However, when students are selecting their course of studies, they should refer to the University of Toronto guidelines for program breadth and depth requirements (see Degree Requirements).**

Description of Proposed Changes:

1. Program Description changes.
2. Program Requirement 1: Added new course CHMA12H3 as an optional course to CHMA11H3
3. Program Note modified.

Rationale:

1. The program description was updated to provide a more informative description of the program.
2. CHMA12H3 is a new course being proposed this year. It is intended to provide students with more flexibility to complete this program requirement.
3. Removed the note about consulting the calendar; all students in all programs should consult the calendar making this note unnecessary.

Impact: None

Consultation: DCC Approval: Oct 1, 2019

Resource Implications: None

MAJOR PROGRAM IN ENVIRONMENTAL STUDIES (ARTS)

Completion Requirements:

Program Requirements

Completion of 8.5 credits as follows:

1. Core Courses (2.5 credits)

EESA01H3 Introduction to Environmental Science

[MGEA01H3 Introduction to Microeconomics or MGEA05H3 Introduction to Macroeconomics]

ESTB01H3 Introduction to Environmental Studies

and

0.5 credit chosen from the following:

ANTB01H3 Political Ecology

ESTB02H3 / GGRB18H3 Canada, Indigenous Peoples, and the Land

GGRA03H3 Cities and Environments

POLA01H3 Critical Issues in Politics I

POLA02H3 Critical Issues in Politics II

POLB80H3 Introduction to International Relations I

and

0.5 credit chosen from the following:

EESA06H3 Introduction to Planet Earth

EESA07H3 Water

EESA09H3 Wind

EESA10H3 Human Health and the Environment

EESA11H3 Environmental Pollution

EESB18H3 Natural Hazards

2. Foundations and Skills (4.0 credits)

ESTC35H3 Environmental Science and Technology in Society

ESTC36H3 Knowledge, Ethics and Environmental Decision-Making

IDSB02H3 Development and Environment

STAB22H3 Statistics I (or equivalent)

and

2.0 credits chosen from the following:

EESB03H3 Principles of Climatology

EESB04H3 Principles of Hydrology

EESB05H3 Principles of Soil Science

EESB17H3 Hydro Politics and Transboundary Water Resources Management

EESC13H3 Environmental Impact Assessment and Auditing

EESD13H3 Environmental Law, Policy and Ethics

ESTC34H3 Sustainability in Practice

GGRA30H3 Geographic Information Systems (GIS) and Empirical Reasoning

GGRB21H3 Political Ecology: Nature, Society and Environmental Change

(GGRC22H3) Political Ecology Theory and Applications

GGRC26H3 Geographies of Environmental Governance

GGRC28H3 Indigenous Peoples, Environment and Justice

GGRC44H3 Environmental Conservation and Sustainable Development

POLC53H3 Canadian Environmental Policy

POLD89H3 Global Environmental Politics

SOCC37H3 Environment and Society

3. Capstone and Applications (2.0 credits)

[ESTD16H3 Project Management in Environmental Studies *or* ESTD19H3 Risk]

ESTD17Y3 Cohort Capstone Course in Environmental Studies

ESTD18H3 Environmental Studies Seminar Series

Description of Proposed Changes:

1. Requirement 1: added ESTB03H3/GGRB18H3 as an optional course to the first 0.5 additional credit bin.
2. Requirement 2: added GGRC28H3 as an optional course to the 2.0 additional credits bin.

Rationale:

1. ESTB02H3/GGRB18H3 is a new course that will provide students with an additional B-level option to complete the program requirement. The course seeks to incorporate the important topics of Indigenous knowledge, governance, and legal systems, within the program focus of environmental decision-making
2. GGRC28H3 will provide students with an additional C-level option to complete the program requirement. The course seeks to incorporate the important topics of Indigenous knowledge, governance, and legal systems, within the program focus of environmental decision-making

Impact: None

Consultation:

DCC Approval: Oct 1, 2019

Consultation with the Department of Human Geography: Sept 30, 2019

Resource Implications: None.

MAJOR PROGRAM IN PHYSICAL SCIENCES (SCIENCE)

Description:

Supervisor :Diana Valencia(416-208-2986)Email: dvalencia@utsc.utoronto.ca

The Major Program in Physical Sciences is intended for students desiring a general background in the physical sciences (with an emphasis in the area of astronomy, physics and physical chemistry) but who do not intend to pursue graduate studies. Parallel major Programs for students more interested in the mathematical sciences or in chemistry are offered in Mathematical Sciences, in Chemistry, and in Biochemistry.

Completion Requirements:

Program Requirements :

This program requires 8.0 credits as follows:

First Year:

PHYA10H3 Physics I for the Physical Sciences

PHYA21H3 Physics II for the Physical Sciences

CHMA10H3 Introductory Chemistry I: Structure and Bonding

CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms

MATA30H3 Calculus I for Physical Sciences

MATA22H3 ~~MATA23H3~~ Linear Algebra I for Mathematical Sciences

[MATA36H3 Calculus II for Physical Sciences *or* MATA37H3 Calculus II for Mathematical Sciences]

Second or Third Year

2.5 credits from the following:

PHYB10H3 Intermediate Physics Laboratory I

PHYB21H3 Electricity and Magnetism

PHYB52H3 Thermal Physics

PHYB54H3 Mechanics: From Oscillations to Chaos

PHYB56H3 Introduction to Quantum Physics

MATB24H3 Linear Algebra II

MATB41H3 Techniques of the Calculus of Several Variables I

MATB42H3 Techniques of the Calculus of Several Variables II

MATB44H3 Differential Equations I

ASTB23H3 Astrophysics of Stars, Galaxies and the Universe

CHMB20H3 Chemical Thermodynamics and Elementary Kinetics

CHMB21H3 Chemical Structure and Spectroscopy

STAB22H3 Statistics I

Third or Fourth Year

2.0 credits from the following:

ASTC25H3 Astrophysics of Planetary Systems

MATC34H3 Complex Variables

MATC46H3 Differential Equations II

PHYC50H3 Electromagnetic Theory

PHYC56H3 Quantum Mechanics I

PHYC11H3 Intermediate Physics Laboratory II

PHYC54H3 Classical Mechanics

PHYD37H3 Introduction to Fluid Mechanics

PHYD38H3 Introduction to Nonlinear Systems and Chaos

PSCB57H3 Introduction to Scientific Computing

PSCD02H3 Current Questions in Mathematics and Science

PHYD26H3 Planetary Geophysics

PSCD50H3 Advanced Topics in Quantum Mechanics

[PHYD01H3 Research Project in Physics and Astrophysics *or* PHYD72H3 Supervised Reading in Physics and Astrophysics]

Description of Proposed Changes:

First-year requirement: MATA23H3 was replaced with MATA22H3 as a required course.

Rationale:

First- Year: MATA23H3 course content was rearranged by the CMS Department, and therefore, this course is no longer relevant to this program, instead MATA22H3 is being added as it is an appropriate replacement as it is a prerequisite for the upper course listed in the program.

Impact: None

Consultation: DCC Approval: Oct 1, 2019

Resource Implications: None

SPECIALIST PROGRAM IN BIOLOGICAL CHEMISTRY (SCIENCE)

Description:

Supervisor: N. Thavarajah (416-287-7473) Email: Nirusha.thavarajah@utoronto.ca

This program is intended for students who want to specialize in chemistry **Chemistry**, and in particular, its applications to and interactions with living systems. The first year of the program emphasizes learning fundamentals across various disciplines, including biology, chemistry, physics, and math. In the second year, additional coursework in chemistry and biology prepares students to merge these disciplines in more specialized courses later **but who are also interested** in the program. In their third and fourth years, students will explore the complex chemistry of living systems, including proteins, enzymes and metabolism. Students will also learn how chemistry can be used to study and manipulate these systems through courses in pharmaceutical and biological chemistry. In their fourth year, students will have the opportunity to contribute to the creation of scientific knowledge in this field by participating in a directed research project. The combination of coursework and research experience makes this program ideally suited for students who wish to pursue graduate studies in biological chemistry or a related discipline, or to work in biologically chemistry-related industries. It is also excellent preparation for students wishing to pursue professional schools such as medicine, pharmacy or law.

The biological chemistry specialist program is accredited by the Canadian Society for Chemistry (CSC). It meets the national standards of education required by the CSC, ensuring that graduating students possess skills in both the core chemical concepts and practical laboratory skills that are necessary to thrive in today's workforce. Graduates of these programs will receive a certificate stating that they have completed a nationally accredited chemistry program.

Enrolment Requirements:

Students may apply to this program after completing at least 4.0 credits including: BIOA01H3, BIOA02H3, CHMA10H3, [CHMA11H3 or CHMA12H3], MATA30H3 and PHYA10H3 with a cumulative grade point average (CGPA) of at least 2.0. Application for admission to the program is made to the registrar through ROSI in April/May and July/August. See the UTSC Office of the Registrar's [website](#) for information on the program (Subject POST) selection.

Completion Requirements:

Program Requirements

The program requires the completion of the following 14.5 credits:

First Year:

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 or CHMA12H3 Advanced General Chemistry]
MATA30H3 Calculus I for Physical Sciences
[MATA35H3 Calculus II for Biological Sciences or MATA36H3 Calculus II for Physical Sciences]
PHYA10H3 Physics I for the Physical Sciences

Second Year:

BIOB10H3 Cell Biology
BIOB11H3 Molecular Aspect of Cellular and Genetic Processes
BIOB12H3 Laboratory for Cell and Molecular Biology
CHMB31H3 Introduction to Inorganic Chemistry
CHMB41H3 Organic Chemistry I
CHMB42H3 Organic Chemistry II

Second or Third Year:

CHMB16H3 Techniques in Analytical Chemistry
CHMB21H3 Chemical Structure and Spectroscopy
CHMB23H3 Introduction to Chemical Thermodynamics and Kinetics: Theory and Practice
STAB22H3 Statistics I

Third Year:

BIOC12H3 Biochemistry I: Proteins and Enzymes
BIOC13H3 Biochemistry II: Bioenergetics and Metabolism
BIOC23H3 Practical Approaches to Biochemistry
CHMC47H3 Bio-Organic Chemistry

Third or Fourth Year:

CHMC11H3 Principles of Analytical Instrumentation
CHMC31Y3 Intermediate Inorganic Chemistry
[CHMC41H3 Organic Reaction Mechanisms *or* CHMC42H3 Organic Synthesis]

Fourth Year:

CHMD79H3 Topics in Biological Chemistry
1.5 credits in D-level or 400-level CHM courses including one of the following courses:
CHMD90Y3 Directed Research
CHMD91H3 Directed Research
CHMD92H3 Advanced Chemistry Laboratory Course
and
at least 0.5 credit from the following:
CHMD47H3 Advanced Bio-Organic ~~CHMD69H3 Bioinorganic~~ Chemistry
CHMD69H3 Chemical Elements in Living Systems
CHMD71H3 Pharmaceutical Chemistry

Description of Proposed Changes:

1. Program Description has been updated.
2. Enrolment requirements and First Year program requirements have added CHMA12H3 as an alternative option to CHMA11H
3. Fourth Year: updated CHMD69H3 course title

Rationale:

1. The program description was updated to provide a more informative description of the program, and to inform students that this program is accredited by the Canadian Society for Chemistry.
2. CHMA12H3 is a new course that will provide student enrolment flexibility as well as an alternative option to CHMA11H3 to complete First Year requirement.
3. CHMD69H3 title has been updated to ensure consistency and accuracy through the Calendar.

Impact: None

Consultation: DCC Approval: Oct 1, 2019

Resource Implications: None

SPECIALIST PROGRAM IN CHEMISTRY (SCIENCE)

Description:

Supervisor: Andre Simpson(416-287-7547)Email: andre.simpson@utoronto.ca

This program offers students a deep theoretical and practical learning experience in all aspects of modern chemistry. The first year of the program emphasizes learning fundamentals across various disciplines, including biology, chemistry, physics, and math. As students progress into upper years, this knowledge ~~Program~~ is applied to specialized courses focusing on the sub-disciplines of chemistry, including organic, inorganic, analytical, physical, and environmental chemistry. Students in this program will have the opportunity to contribute to the creation of scientific knowledge by participating

in a directed research project in their fourth year. This program is ideally suited ~~meant~~ for students who wish to pursue graduate studies ~~are interested~~ in chemistry or ~~obtaining~~ a related discipline, or to work ~~strong background~~ in chemistry-related industries.

The chemistry specialist program is accredited by the Canadian Society for ~~all aspects of Modern~~ Chemistry (CSC). It meets the national standards of education required by the CSC, ensuring that graduating students possess skills in both the core chemical concepts and practical laboratory skills that are necessary to thrive in today's workforce. Graduates of these programs will receive a certificate stating that they have completed a nationally accredited chemistry program.

Enrolment Requirements:

Students may apply to this program after completing at least 4.0 credits, including CHMA10H3, [CHMA11H3 or CHMA12H3], PHYA10H3, PHYA21H3, and 1.0 credit in either MATA23H3, MATA30H3 or MATA36H3 with a cumulative grade point average (CGPA) of at least 2.0. Application for admission to the program is made to the registrar through ROSI in April/May and July/August. See the UTSC Office of the Registrar's website for information on the program (Subject POST) selection.

Completion Requirements:

Program Requirements

The Program requires completion of 14.0 credits as follows:

First Year:

1. 4.0 credits from the following

CHMA10H3 Introductory Chemistry I: Structure and Bonding
[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms or CHMA12H3 Advanced General Chemistry]
MATA23H3 Linear Algebra I
MATA30H3 Calculus I for Physical Sciences
MATA36H3 Calculus II for Physical Sciences
PHYA10H3 Physics I for the Physical Sciences
PHYA21H3 Physics II for the Physical Sciences
STAB22H3 Statistics I

Second Year:

2. 4.0 credits from the following

CHMB16H3 Techniques in Analytical Chemistry
CHMB21H3 Chemical Structure and Spectroscopy
CHMB23H3 Introduction to Chemical Thermodynamics and Kinetics: Theory and Practice
CHMB31H3 Introduction to Inorganic Chemistry
CHMB41H3 Organic Chemistry I
CHMB42H3 Organic Chemistry II
CHMB62H3 Introduction to Biochemistry
MATB41H3 Techniques of Calculus of Several Variables I

Third Year:

3. 3.0 credits from the following

CHMC11H3 Principles of Analytical Instrumentation
CHMC16H3 Analytical Instrumentation
[CHMC20H3 Intermediate Physical Chemistry or CHMC21H3 Topics in Biophysical Chemistry]
CHMC31Y3 Intermediate Inorganic Chemistry
[CHMC41H3 Organic Reaction Mechanisms or CHMC42H3 Organic Synthesis]

Fourth Year:

4. 3.0 credits from the following

PSCD02H3 Current Questions in Mathematics and Science

and

0.5 credit in any C-level or 300-level CHM course not already taken

and

2.0 credits in any D-level or 400-level CHM course including one of the following:

CHMD90Y3 Directed Research

CHMD91H3 Directed Research

CHMD92H3 Advanced Chemistry Laboratory Course

Description of Proposed Changes:

1. The program description has been revised.
2. Enrolment requirement and First-Year: Added CHMA12H3 as an alternative option to CHMA11H3

Rationale:

1. The program description has been expanded to provide a more in-depth description of the program and to inform students that the program is now accredited by the Canadian Society for Chemistry.
2. CHMA12H3 is a new course that provides students with more enrolment flexibility and provides students with an alternative option to satisfying first-year requirements.

Impact: None

Consultation: DCC Approval: Oct 1, 2019

Resource Implications: None

SPECIALIST PROGRAM IN ENVIRONMENTAL CHEMISTRY (SCIENCE)

Description:

Supervisor of Studies : Myrna Simpson (416) 287-7234 Email : myrna.simpson@utoronto.ca

This program is intended for students who want an in-depth study of chemistry to specialize in Chemistry, with a specialization but who are also interested in how to apply chemistry to solve environmental problems. The first year of the program emphasizes learning fundamentals across various disciplines, including biology, chemistry, physics, math and environmental science. As students progress into upper years, they develop skills in the fundamental areas of chemistry while also taking specialized courses in environmental chemistry. In their fourth year, students have the opportunity to contribute to the creation of scientific knowledge by participating in a directed research project. Students who graduate from this program will be well qualified for positions in government and industry as well as several graduate programs systems.

This program is accredited by the Canadian Society for Chemistry Supervisor of Studies : Myrna Simpson (CSC 416). It meets the national standards of education required by the CSC, ensuring that graduating students possess skills in both the core chemical concepts and practical laboratory skills that are necessary to thrive in today's workforce. Graduates of these programs will receive a certificate stating that they have completed a nationally accredited chemistry program. 287-7234 Email : myrna.simpson@utoronto.ca

Enrolment Requirements:

Students may apply to this program after completing at least 4.0 credits from the following: EESA01H3, EESA06H3, BIOA01H3, BIOA02H3, CHMA10H3, [CHMA11H3 or CHMA12H3], MATA30H3, MATA36H3, and PHYA10H3; in addition, they must have achieved a cumulative grade point average (CGPA) of at least 2.0. Application for admission to the program is made to the Registrar through ACORN. See the UTSC Registrar's website for information on the program (Subject POS) selection, and application window dates on the following website at www.utsc.utoronto.ca/subjectpost.

Completion Requirements:

Program Requirements

Total requirements: 16.0 credits

First Year (4.5 credits):

EESA01H3 Introduction to Environmental Science

EESA06H3 Introduction to Planet Earth

BIOA01H3 Life on Earth: Unifying Principles

BIOA02H3 Life on Earth: Form, Function and Interactions

CHMA10H3 Introductory Chemistry I: Structure and Bonding

[CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms or CHMA12H3 Advanced General Chemistry]

MATA30H3 Calculus I for Physical Sciences

MATA36H3 Calculus II for Physical Sciences

PHYA10H3 Physics I for the Physical Sciences

Second Year (4.5 credits):

CHMB16H3 Techniques in Analytical Chemistry

CHMB23H3 Introduction to Chemical Thermodynamics and Kinetics: Theory and Practice

CHMB31H3 Introduction to Inorganic Chemistry

CHMB41H3 Organic Chemistry I

CHMB42H3 Organic Chemistry II

CHMB55H3 Environmental Chemistry

EESB15H3 Earth History

and

0.5 credit from the following:

CHMB21H3 Chemical Structure and Spectroscopy

CHMB62H3 Introduction to Biochemistry

and

0.5 credit from the following:

EESB03H3 Principles of Climatology

EESB19H3 Mineralogy

Third Year (4.0 credits):

STAB22H3 Statistics I

CHMC11H3 Principles of Analytical Instrumentation

EESC07H3 Groundwater

EESC20H3 Geochemistry

and

1.5 credit from the following:

CHMC16H3 Analytical Instrumentation

CHMC31Y3 Intermediate Inorganic Chemistry

CHMC41H3 Organic Reaction Mechanisms

CHMC42H3 Organic Synthesis

CHMC47H3 Bio-Organic Chemistry

and

0.5 credit from the following:

EESB04H3 Principles of Hydrology

EESB05H3 Principles of Soil Science

Fourth Year (3.0 credits):

CHMD16H3 Environmental and Analytical Chemistry

EESC13H3 Environmental Impact Assessment and Auditing

~~CHMD16H3 Environmental and Analytical Chemistry~~

EESD02H3 Contaminant Hydrogeology

EESD15H3 Fundamentals of Site Remediation

and

1.0 credit from the following, including one of CHMD90Y3, CHMD91H3 and CHMD92H3 :

CHMD11H3 Application of Spectroscopy in Chemical Structure Determination

CHMD59H3 Modelling the Fate of Organic Chemicals in the Environment

CHMD89H3 Introduction to Green Chemistry

CHMD90Y3 Directed Research in Chemistry

CHMD91H3 Directed Research in Chemistry
CHMD92H3 Advanced Chemistry Laboratory Course

Description of Proposed Changes:

1. The program description revised.
2. Program enrolment has added CHMA12H3 as an optional course to CHMA11H3
3. First Year: Added CHMA12H3 as an optional course to CHMA11H3.
4. Fourth Year: Added CHMD11H3 as an optional course.

Rationale:

1. The program description has been revised to provide students with a better understanding of the program
2. The program enrolment requirements have added CHMA12H3 as an optional course to CHMA11H3 providing students more enrolment flexibility.
3. CHMA12H3 (new course) will provide students with more flexibility to complete this program requirement
4. CHMD11H3 will provide students with more flexibility to complete this program requirement.

Impact: None

Consultation: DCC Approval: Oct 1, 2019

Resource Implications: None

SPECIALIST PROGRAM IN ENVIRONMENTAL GEOSCIENCE (SCIENCE)

Completion Requirements:

Program Requirements

Total requirements: 16.0 credits of which 1.0 credit must be at the D-level as follows:

First Year:

EESA01H3 Introduction to Environmental Science
EESA06H3 Introduction to Planet Earth
BIOA01H3 Life on Earth: Unifying Principles
BIOA02H3 Life on Earth: Form, Function and Interactions
CHMA10H3 Introductory Chemistry I: Structure and Bonding
CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms
MATA30H3 Calculus I for Physical Sciences
[MATA36H3 Calculus II for Physical Sciences *or* MATA37H3 Calculus II for Mathematical Sciences]
PHYA10H3 Physics I for the Physical Sciences
PHYA21H3 Physics II for the Physical Sciences

Second Year:

CHMB55H3 Environmental Chemistry
EESB02H3 Principles of Geomorphology
EESB03H3 Principles of Climatology
EESB04H3 Principles of Hydrology
EESB05H3 Principles of Soil Science
EESB15H3 Earth History
EESB18H3 Natural Hazards
EESB19H3 Mineralogy
[CSCA20H3 Introduction to Programming *or* PSCB57H3 Introduction to Scientific Computing]
STAB22H3 Statistics I

Third Year:

EESB20H3 Sedimentology and Stratigraphy
EESC03H3 Geographic Information Systems and Remote Sensing
EESC07H3 Groundwater
EESC13H3 Environmental Impact Assessment and Auditing

EESC20H3 Geochemistry

EESC31H3 Glacial Geology

EESC36H3 Petrology

and

0.5 credit from the following:

BIOB50H3 Ecology

EESB21H3 Exploration Geophysics

EESB26H3 Introduction to Global Geophysics

EESC18H3 Limnology

EESC19H3 Oceanography

Fourth Year:

EESC37H3 Structural Geology

and

0.5 credit from the following:

EESC26H3 Seismology and Seismic Methods

EESD02H3 Contaminant Hydrogeology

EESD06H3 Climate Change Impact Assessment

EESD09H3 Research Project in Environmental Science

EESD10Y3 Research Project in Environmental Science

EESD11H3 Advanced Watershed Hydrology

EESD13H3 Environmental Law, Policy and Ethics

EESD15H3 Fundamentals of Site Remediation

EESD19H3 Professional Development Seminars in Geoscience

EESD20H3 Geological Evolution and Environmental History of North America

EESD21H3 Geophysical and Climate Data Analysis

and

[1.0 credit at the C- or D-level in EES courses] or [0.5 credit at the C- or D-level in EES courses and PSCD11H3

Communicating Science: Film, Media, Journalism, and Society]

Strongly recommended : EESC16H3 Field Camp I or EESD07H3 Field Camp II or EESD33H3 Field Techniques

Description of Proposed Changes:

1. Third Year: EESB21H3 has been added as an optional course
2. Fourth Year: EESC26H3 and EESD21H3 have been added as optional courses.

Rationale:

1. This course will provide students with an additional option to complete this program requirement
2. These courses will provide students with an additional C- and D-level options to complete this program requirement

Impact: None

Consultation: DCC Approval: Nov 07, 2019.

Resource Implications: None.

SPECIALIST PROGRAM IN PHYSICAL AND MATHEMATICAL SCIENCES (SCIENCE)

Description:

Supervisor: P. Artymowicz (416-287-7244) Email: pawel@utsc.utoronto.ca (Fall)

and Diana Valencia (416-208-2986) Email: dvalencia@utsc.utoronto.ca (Winter)

This Program provides a framework of courses in the Physical Sciences based upon a firm Mathematical foundation, relating Astronomy, Chemistry, Computer Science, Physics and Statistics. It prepares students for careers in teaching, industry, and government as well as for further studies at the graduate level.

Completion Requirements:

Program Requirements

This program requires 15.5 credits as follows:

First Year:

~~PHYA10H3~~ ~~Physics I for the Physical Sciences~~

~~PHYA21H3~~ ~~Physics II for the Physical Sciences~~

CHMA10H3 Introductory Chemistry I: Structure and Bonding

CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms

~~CSCA20H3~~ ~~Introduction to Programming *~~

MATA30H3 Calculus I for Physical Sciences

~~MATA22H3~~ ~~MATA23H3~~ ~~Linear Algebra I for Mathematical Sciences~~

[~~MATA36H3~~ ~~Calculus II for Physical Sciences~~ *or* ~~MATA37H3~~ ~~Calculus II for Mathematical Sciences~~]

~~PHYA10H3~~ ~~Physics I for the Physical Sciences~~

~~PHYA21H3~~ ~~Physics II for the Physical Sciences~~

~~CSCA20H3~~ ~~Introduction to Programming *~~

* **Note** : CSCA08H3** may be substituted for CSCA20H3

Second Year

~~PHYB10H3~~ ~~Intermediate Physics Laboratory I~~

~~PHYB56H3~~ ~~Introduction to Quantum Physics~~

~~PHYB21H3~~ ~~Electricity and Magnetism~~

~~PHYB52H3~~ ~~Thermal Physics~~

MATB24H3 Linear Algebra II

MATB41H3 Techniques of the Calculus of Several Variables I

MATB42H3 Techniques of the Calculus of Several Variables II

MATB44H3 Differential Equations

~~PHYB10H3~~ ~~Intermediate Physics Laboratory I~~

~~PHYB56H3~~ ~~Introduction to Quantum Physics~~

~~PHYB21H3~~ ~~Electricity and Magnetism~~

~~PHYB52H3~~ ~~Thermal Physics~~

Second or Third Year

~~PHYB54H3~~ ~~Mechanics : From Oscillations to Chaos~~

ASTB23H3 Astrophysics of Stars, Galaxies and the Universe

CHMB20H3 Chemical Thermodynamics and Elementary Kinetics

CHMB21H3 Chemical Structure and Spectroscopy

MATB61H3 Linear Programming

~~PHYB54H3~~ ~~Mechanics : From Oscillations to Chaos~~

[PSCB57H3 Introduction to Scientific Computing

STAB52H3 An Introduction to Probability]

Third or Fourth Year

4.0 credits from the following:

ASTC25H3 Astrophysics of Planetary Systems

~~CSCC37H3~~ ~~Introduction to Numerical Algorithms for Computational Mathematics~~

~~CSCD37H3~~ ~~Analysis of Numerical Algorithms for Computational Mathematics~~

MATC34H3 Complex Variables

MATC46H3 Differential Equations II

~~PHYC11H3~~ ~~Intermediate Physics Laboratory II~~

PHYC50H3 Electromagnetic Theory

~~PHYC54H3~~ ~~Classical Mechanics~~

PHYC56H3 Quantum Mechanics I

[~~PHYD01H3~~ ~~Research Project in~~ ~~PHYC11H3~~ ~~Intermediate~~ ~~Physics and Astrophysics~~ *or* ~~PHYD72H3~~ ~~Supervised~~
~~Reading in Physics and Astrophysics~~] ~~Laboratory II~~

~~PHYD26H3~~ ~~Planetary Geophysics~~ ~~PHYC54H3~~ ~~Classical Mechanics~~

PHYD37H3 Introduction to Fluid Mechanics

PHYD38H3 Introduction to Nonlinear Systems and Chaos

~~CSCC37H3~~ ~~Introduction to Numerical Algorithms for Computational Mathematics~~

~~CSCD37H3 Analysis of Numerical Algorithms for Computational Mathematics~~
~~PSCD02H3 Current Questions in Mathematics and Science~~
~~PHYD26H3 Planetary Geophysics~~
~~PSCD50H3 Advanced Topics in Quantum Mechanics~~
~~{ PHYD01H3 Research Project in Physics and Astrophysics or PHYD72H3 Supervised Reading in Physics and Astrophysics }~~

* **Note:** To satisfy prerequisite requirements of upper level Computer Science Courses, students planning to take such courses should take CSCA08H3, rather than CSCA20H3, which is otherwise preferred for this program.

Description of Proposed Changes:

1. First Year: removed MATA23H3 and replaced with MATA22H3 as a required course.
2. First- Fourth Year: rearranged all courses

Rationale:

1. MATA22H3 is a more appropriate required course for this program requirement.
2. Rearranged courses in each program requirement to ensure all courses are in alphabetical order.

Impact: None.

Consultation: DCC Approval: October 1, 2019.

Resource Implications: None

16 Course Modifications:

CHMA11H3: Introductory Chemistry II: Reactions and Mechanisms

Exclusions: CHMA12H3 , CHM110H5, CHM135H1, CHM139H1, CHM151Y1

Rationale: The course exclusions have added CHMA12H3 (new course) because the core content covered in this course will be equivalent to that of CHMA11H3.

Consultation: DCC Approval: Oct. 1, 2019.

Resources: None

CHMB16H3: Techniques in Analytical Chemistry

Prerequisites: CHMA10H3 and [CHMA11H3 or CHMA12H3] and[MATA29H3 or MATA30H3]and [MATA35H3 or MATA36H3]

Rationale: The prerequisite has been revised to provide students with more flexibility and to better prepare them for CHMB16H3.

Consultation: DCC Approval: Oct. 1, 2019.

Resources: None

CHMB20H3: Chemical Thermodynamics and Elementary Kinetics

Prerequisites: [CHMA11H3 or CHMA12H3] and[MATA35H3 or MATA36H3]and PHYA10H3

Rationale: The prerequisite has been revised to provide students with more flexibility and to better prepare them for CHMB20H3.

Consultation: The changes were discussed and approved by the Teaching & Curriculum committee on Oct. 1st 2019. No other units will be effected so no further consultation was undertaken.

Resources: None

CHMB23H3: Introduction to Chemical Thermodynamics and Kinetics: Theory and Practice

Prerequisites: [CHMA11H3 or CHMA12H3] and [MATA35H3 or MATA36H3] and PHYA10H3

Rationale: The prerequisite has been revised to provide students with more flexibility and to better prepare them for CHMB23H3.

Consultation: DCC Approval: Oct 1, 2019

Resources: None

CHMB31H3: Introduction to Inorganic Chemistry

Prerequisites:
CHMA10H3 and [CHMA11H3 or CHMA12H3]

Rationale: The prerequisite has been revised to provide students with more flexibility and to better prepare them for CHMB31H3.

Consultation: DCC Approval: Oct 1, 2019

Resources: None

CHMB41H3: Organic Chemistry I

Prerequisites: [CHMA11H3 or CHMA12H3]

Rationale: The prerequisite has been revised to provide students with more flexibility and to better prepare them for CHMB41H2.

Consultation: DCC Approval: Oct 1, 2019

Resources: None

CHMB42H3: Organic Chemistry II

Prerequisites: [CHMA11H3 or CHMA12H3] and CHMB41H3

Rationale: The prerequisite has been revised to provide students with more flexibility and to better prepare them for CHMB42H3.

Consultation: DCC Approval: Oct 1, 2019

Resources: None

CHMB43Y3: Organic Chemistry I and II

Prerequisites: Completion of at least 4.0 credits, including CHMA10H3 and [CHMA11H3 or CHMA12H3]. Minimum cumulative GPA of 2.7. Permission of instructor.

Rationale: The prerequisite has been revised to provide students with more flexibility and to better prepare them for CHMB43Y3

Consultation: DCC Approval: Oct 1, 2019

Resources: None

CHMB55H3: Environmental Chemistry

Prerequisites: CHMA10H3 and [CHMA11H3 or CHMA12H3]

Rationale: The prerequisite has been revised to provide students with more flexibility and to better prepare them for CHMB55H3.

Consultation: DCC Approval: Oct 1, 2019

Resources: None.

CHMB62H3: Introduction to Biochemistry

Prerequisites: CHMA10H3, [CHMA11H3 or CHMA12H3], CHMB41H3

Note: This course cannot be taken by students enrolled in the Specialist program in Biological Chemistry and Major program Biochemistry.

Rationale:

1. The prerequisite has been revised to provide students with more flexibility and to better prepare them for CHMB62H3.
2. A note has been added to inform student of important enrolment permissions.

Consultation: DCC Approval: Oct 1, 2019

Resources: None

CHMD69H3: Bioinorganic Chemistry

Description:

This course will explore the role of the chemical elements other than “the big six” (C, H, O, N, P, S) metals cations in living systems, with a survey of biologically relevant ligands (such as amino and nucleic acids) the focus on shifts to metal cations uptake and function. The topic includes geochemistry and early life, regulation and uptake of metallic elements, structure-function relationships in metalloproteins course also provides a brief introduction to medicinal inorganic chemistry.

Prerequisites: [[BIOC12H3 and BIOC13H3]or CHMB62H3] and CHMB31H3 CHMC31Y3

Recommended Preparation: CHMC31Y3

Rationale:

1. The course description has been revised to provide students with more clarity on the topics and content covered in the course.
2. The prerequisites and recommended prep courses have been revised to better prepare students for this course.

Consultation: DCC Approval: Oct 1, 2019

Resources: None

CHMD89H3: Introduction to Green Chemistry

Prerequisites: CHMB31H3 and [CHMC41H3 or CHMC42H3 or CHMC47H3]

Recommended Preparation: CHMC31Y3-CHMB31H3

Enrolment Limits: 15 25

Rationale:

1. The course prerequisites have been revised to better prepare students for CHMB89H3.
2. The course recommend prep course has been revised to update the correct course code
2. The enrollment cap has been added to be aligned with the current cap on ACORN.

Consultation: DCC Approval: Oct 1, 2019

Resources: None

EESB19H3: Mineralogy

Prerequisites: CHMA10H3 and ; CHMA11H3 and EESB15H3 ; ~~EESA06H3~~

Enrolment Limits: ~~20~~

Rationale:

1. The prerequisite statement has been revised to better prepare students for this course and to remove redundancy in the prerequisite statement.
2. The enrollment limit has been removed to provide more student access to this course

Consultation: DCC Approval: Oct 1, 2019

Resources: None

EESB20H3: Sedimentology and Stratigraphy

Prerequisites: EESA01H3 and EESB15H3 ~~EESA06H3~~

Rationale: The prerequisite statement has been revised to better prepare students for this course and to remove redundancy in the prerequisite statement.

Consultation:DCC Approval: Oct 1, 2019

Resources: None

EESD33H3: Field Techniques

Prerequisites: EESB02H3 and ~~EESB04H3~~ and EESC07H3

Rationale: The course prerequisites have been revised to make the course enrolment more flexible for students.

Consultation: DCC Approval: Nov 13, 2019

Resources: None

PHYC11H3: Intermediate Physics Laboratory II

Corequisites: ~~PHYB21H3~~

Rationale:

The course corequisites have been revised to remove PHYB21H3 as this is already stated as a prerequisite and it is required for students to take this course prior to enrolling in PHYC11H3.

Consultation: DCC Approval: Oct 1, 2019

Resources: None.



2020-21 Curriculum Cycle

Undergraduate Minor Curriculum Modifications for Information

Report: English

February 10, 2020

English (UTSC), Department of

23 Course Modifications:

ENGB60H3: Creative Writing: Poetry I

Description:

A focused ~~An~~ introduction to the writing of poetry. This course will enable students ~~provide an introduction~~ to explore the writing of poetry through reading , discussion , and workshop sessions - ~~Admission by portfolio~~ .

Prerequisites: ENGA03H3 and admission to the Major or Minor program in Creative Writing

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

Note: ~~Admission by portfolio. The portfolio should contain 5-15 pages of poetry. Please email your portfolio to dtysdal@utsc.utoronto.ca by the first Tuesday of August (for a Fall semester offering) or by the first Monday of October (for a Winter semester offering).~~

Rationale:

1. Changes to the course description are editorial and are designed to clarify it for students.
2. Changes to the prerequisites: ENGA03H3 is a new course that has been created to function as the gateway to the existing Minor and new Major - it is being added as a prerequisite to all B-level Creative Writing courses.
3. Changes to the recommended preparation and note: with the introduction of a new Major in Creative Writing in 2020-21, rather than applying to each individual Creative Writing course, students will be required to apply via to the programs via portfolio.

Consultation: DCC Approval: October 30, 2019

Resources: None

ENGB61H3: Creative Writing: Fiction I

Description:

A focused ~~An~~ introduction to the writing of fiction. This course will enable students ~~provide an introduction~~ to explore the writing of short fiction through reading , discussion , and workshop sessions.

Prerequisites: ~~Students must submit a portfolio for consideration~~ ENGA03H3 and admission to the Major or Minor program in Creative Writing

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

Note: ~~Portfolio Submission: the portfolio should contain 10-20 pages of fiction (short stories or a novel excerpt). Students should email their portfolio to awestoll@utsc.utoronto.ca by the first Tuesday of August (for a Fall semester offering) or by the first Monday of October (for a Winter semester offering).~~

Rationale:

1. Changes to the course description are editorial and are designed to clarify it for students.
2. Changes to the prerequisites: ENGA03H3 is a new course that has been created to function as the gateway to the existing Minor and new Major - it is being added as a prerequisite to all B-level Creative Writing courses.
3. Changes to the recommended preparation and note: with the introduction of a new Major in Creative Writing in 2020-21, rather than applying to each individual Creative Writing course, students will be required to apply via to the programs via portfolio.

Consultation: DCC Approval: October 30, 2019

Resources: None

ENGB63H3: Creative Writing: Creative Nonfiction I

Description:

A focused ~~An~~ introduction to the ~~writing craft~~ of creative ~~non-fiction nonfiction~~. This course will enable students to explore the writing of creative non-fiction through ~~Through in-~~depth reading, discussion, ~~of exceptional texts~~ and ~~constructive~~ workshop sessions; ~~students will explore the many key elements of great true stories and produce several original works of creative nonfiction.~~

Prerequisites: ~~Course admission will be done by a portfolio submission.~~ ENGA03H3 and admission to the Major or Minor program in Creative Writing

Note:~~Portfolio Submission: the portfolio should contain 5-10 pages (double spaced) of your strongest fiction or nonfiction writing. Students should email their portfolio to awestoll@utsc.utoronto.ca no later than August 1st (for Fall course offering) or October 1st (for Winter course offering).~~

Rationale:

1. Changes to the course description are editorial and are designed to clarify it for students.
2. Changes to the prerequisites: ENGA03H3 is a new course that has been created to function as the gateway to the existing Minor and new Major - it is being added as a prerequisite to all B-level Creative Writing courses.
3. Changes to the note: with the introduction of a new Major in Creative Writing in 2020-21, rather than applying to each individual Creative Writing course, students will be required to apply via to the programs via portfolio.

Consultation: DCC Approval: October 30, 2019

Resources: None

ENGC04H3: Creative Writing: Screenwriting

Prerequisites: ENGB61H3; ~~students must submit a portfolio for consideration~~

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

Note: ~~Portfolio Submission: the portfolio should contain 10-20 pages of screenplay, play, or fiction. Students should email their portfolio to dtysdal@utsc.utoronto.ca by the first Tuesday of August (for a Fall semester offering) or by the first Monday of October (for a Winter semester offering).~~

Rationale:

Changes to the prerequisites, recommended preparation and note: with the introduction of a new Major in Creative Writing in 2020-21, rather than applying to each individual Creative Writing course, students will be required to apply via to the programs via portfolio.

Consultation: DCC Approval: October 30, 2019

Resources: None

ENGC05H3: Creative Writing: Poetry, Experimentation, and Activism

Prerequisites: ENGB60H3; ~~students must submit a portfolio for consideration~~

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

Note: ~~Portfolio Submission: the portfolio should contain 5-10 pages of your best poetry. Students should email their portfolio to dtysdal@utsc.utoronto.ca by the first Tuesday of August (for a Fall semester offering) or by the first Monday of October (for a Winter semester offering).~~

Rationale:

1. Changes to the prerequisites, recommended preparation and note: with the introduction of a new Major in Creative Writing in 2020-21, rather than applying to each individual Creative Writing course, students will be required to apply via to the programs via portfolio.

Consultation: DCC Approval: October 30, 2019

Resources: None

ENGC06H3: Creative Writing: Writing for Comics

Description:

An introduction to the writing of-comics undertaken through discussions, readings, and workshop sessions. ~~Admission by portfolio. The portfolio should contain 10-20 pages of a complete script or a script in progress. Please email your portfolio to dtysdal@utsc.utoronto.ca by the first Tuesday of August (for a Fall semester offering) or by the first Monday of October (for a Winter semester offering).~~

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

Rationale:

Changes to the description and recommended preparation: with the introduction of a new Major in Creative Writing in 2020-21, rather than applying to each individual Creative Writing course, students will be required to apply via to the programs via portfolio.

Consultation: DCC Approval: October 30, 2019

Resources: None

ENGC07H3: Canadian Drama

Prerequisites: Any 6.0 credits or [THRB20H3 / (VPDB10H3) and THRB21H3 / (VPDB11H3)]

Rationale: The course prerequisites have been revised due to ACM course code changes

Consultation: DCC Approval: October 15, 2019

Resources: None.

ENGC08H3: Special Topics in Creative Writing I

Description:

This multi-genre creative writing course, designed around a specific theme or topic, will encourage interdisciplinary practice, experiential adventuring, and rigorous theoretical reflection through readings, exercises, field trips, projects, etc
- Admission by portfolio: The portfolio should contain 10-20 pages of your best writing (any genre)
- Please email your portfolio to dtysdal@utsc.utoronto.ca by the first Tuesday of August (for a Fall semester offering) or by the first Monday of October (for a Winter semester offering).

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

Rationale:

Changes to the description and recommended preparation: with the introduction of a new Major in Creative Writing in 2020-21, rather than applying to each individual Creative Writing course, students will be required to apply via to the programs via portfolio.

Consultation: DCC Approval: October 30, 2019

Resources: None

ENGC16H3: The Bible and Literature I

Description:

A literary ~~Literary~~ analysis of the Hebrew Bible(Christian Old Testament)and of texts that retell the stories of the Bible , including the Quran its profound influence on literature . We will study Biblical accounts of the creation , This course considers such narratives as the fall of Adam and Eve, Noah's flood, Abraham's binding of Isaac, the Exodus from Egypt life of Moses ; The Song of Solomon , and the Judges Job , Prophets Jonah , and Kings of Israel Jeremiah both as works of literature in their own right , and we will study British , American , European , African , Caribbean , and Indigenous literary texts that , whether inspired by or reacting against Biblical narratives , retell them as influences upon later works of literature .
Pre-1900 course .

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

Consultation: DCC Approval: October 30, 2019

Resources: None.

ENGC17H3: The Bible and Literature II

Description:

A literary ~~Literary~~ analysis of the New Testament ' s narratives and the ways that the stories other forms as well as consideration of Jesus have been reworked i n British , American , European , African , Caribbean , selected literary texts and Indigenous literature and works of visual art that the New Testament has influenced . The Topics to be discussed include repetition and difference in the four canonical Gospels, Jesus and th e Acts of prophetic tradition ; Paul and epistolary rhetoric ; and the Apostles , apocalyptic and political discourses of the Book of Revelation will be considered Revelation ; some apocryphal works ; such as literature the Infancy Gospel of Thomas , and we will study later literary texts that , whether inspired by or reacting against Biblical narratives , retell them may also be discussed .
Pre-1900 course .

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

Consultation: DCC Approval: Oct 30, 2019

Resources: None.

ENGC24H3: Creative Writing: The Art of the Personal Essay

Note: ~~Note: Admission by portfolio. The portfolio should contain 5-10 pages (double spaced) of your strongest fiction or non-fiction writing. Please email your portfolio to awestoll@utsc.utoronto.ca no later than August 1st (for Fall course offering) or October 1st (for Winter course offering).~~

Rationale:

Changes to the note: with the introduction of a new Major in Creative Writing in 2020-21, rather than applying to each individual Creative Writing course, students will be required to apply via to the programs via portfolio.

Consultation: DCC Approval: October 30, 2019

Resources: None

ENGC26H3: Drama: Tragedy

Prerequisites: Any 6.0 credits or[[THRB20H3](#) / (VPDB10H3) and [THRB31H3](#) / (VPDB11H3)]

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

Consultation: DCC Approval: October 15, 2019

Resources: None.

ENGC27H3: Drama: Comedy

Prerequisites: Any 6.0 credits or[[THRB20H3](#) / (VPDB10H3) and [THRB21H3](#) / (VPDB11H3)]

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

Consultation: DCC Approval: Oct 15, 2019.

Resources: None.

ENGC59H3: Geography and Regionalism in Literature

Title: ~~Geography and Regionalism in~~ Literature and the Environment

Description:

~~Analysis of space and place in literature . This course studies representations of space in literature—whether geographical, regional, or topographical—that offer conceptual alternatives to the nation, state, or tribe. Geographical or regional focus may change depending on instructor.~~

his course introduces students to ecocriticism (the study of the relationship between literature and environment) . The course is loosely structured around several focused topics: Land, Sustainability, Resilience, Natural and Unnatural Disasters, Diversity and Discomfort, Public and Private Spaces, Nostalgia, Activism. Students will be introduced to environmental pedagogies and alternative ways of knowing, including embodied learning. We will spend quite a bit of time outdoors especially during the first six weeks of the course .

Rationale: This course title and description are being altered in order to better reflect the current material that is being taught in the course.

Consultation: DCC Approval: September 25, 2019

Consultation with Social Sciences: October 16, 2019

Resources: None

ENGC86H3: Creative Writing: Poetry II**Description:**

An intensive study of the writing of poetry through a selected theme, topic, or author. The course will undertake its study through discussions, readings, and workshop sessions : ~~Admission by portfolio : The portfolio should contain 5-10 pages of your best poetry~~

~~: Please email your portfolio to dtysdal@utsc.utoronto.ca by the first Tuesday of August (for a Fall semester offering) or by the first Monday of October (for a Winter semester offering) .~~

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

Rationale:

Changes to the description and recommended preparation: with the introduction of a new Major in Creative Writing in 2020-21, rather than applying to each individual Creative Writing course, students will be required to apply via to the programs via portfolio.

Consultation: DCC Approval: October 30, 2019

Resources: None

ENGC87H3: Creative Writing: Fiction II

Description:

An intensive study of the writing of fiction through a selected theme, topic, or author. The course will undertake its study through discussions, readings, and workshop sessions - ~~Admission by portfolio - The portfolio should contain 10-15 pages of your best fiction - Please email your portfolio to awestoll@utsc.utoronto.ca by the first Tuesday of August (for a Fall semester offering) or by the first Monday of October (for a Winter semester offering) .~~

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

Rationale:

Changes to the description and recommended preparation: with the introduction of a new Major in Creative Writing in 2020-21, rather than applying to each individual Creative Writing course, students will be required to apply via to the programs via portfolio.

Consultation: DCC Approval: October 30, 2019

Resources: None

ENGC88H3: Creative Writing: Creative Nonfiction II

Prerequisites: ENGB63H3; ~~students must submit a portfolio for consideration~~

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

Note: ~~Portfolio Submission: the portfolio should contain 10-15 pages of your best fiction or creative non-fiction. Students should email their portfolio to awestoll@utsc.utoronto.ca by the first Tuesday of August (for a Fall semester offering) or by the first Monday of October (for a Winter semester offering).~~

Rationale:

Changes to the prerequisites, recommended preparation and note: with the introduction of a new Major in Creative Writing in 2020-21, rather than applying to each individual Creative Writing course, students will be required to apply via to the programs via portfolio.

Consultation: DCC Approval: October 30, 2019

Resources: None

ENGC89H3: Creative Writing and Performance

Description:

This course connects writers of poetry and fiction, through discussion and workshop sessions, with artists from other disciplines in an interdisciplinary creative process, with the aim of having students perform their work - ~~Preference will be given to students in Creative Writing; however, students in performance-based disciplines such as TAPS and Music and Culture may be admitted with the permission of the instructor - Admission is by portfolio .~~

Prerequisites: Any B-level course in Creative Writing; students in performance-based disciplines such as Theatre and Performance (THR) and Music and Culture (VPM) may be admitted with the permission of the instructor. **Writing**

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

Note: ~~Please submit your portfolio to the English Departmental Assistant in HW427 by the first Tuesday of August (for a Fall semester offering) or by the first Monday of October (for a Winter semester offering).~~

Rationale:

1. Changes to the prerequisite ensure that students in Theatre and Performance and Music and Culture programs know that they can take the course.
2. Changes to the description, recommended preparation and note: with the introduction of a new Major in Creative Writing in 2020-21, rather than applying to each individual Creative Writing course, students will be required to apply via to the programs via portfolio.

Consultation: DCC Approval: October 30, 2019

Resources: None

ENGD22H3: Special Topics in Creative Writing II

Description:

This multi-genre creative writing course, designed around a specific theme or topic, will encourage interdisciplinary practice, experiential adventuring, and rigorous theoretical reflection through readings, exercises, field trips, projects, etc

~~- Admission by portfolio: The portfolio should contain 10-20 pages of your best writing (any genre)~~

~~- Please email your portfolio to dtysdal@utsc.utoronto.ca by the first Tuesday of August (for a Fall semester offering) or by the first Monday of October (for a Winter semester offering).~~

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

Rationale:

Changes to the description and recommended preparation: with the introduction of a new Major in Creative Writing in 2020-21, rather than applying to each individual Creative Writing course, students will be required to apply via to the programs via portfolio.

Consultation: DCC Approval: October 30, 2019

Resources: None

ENGD26Y3: Independent Studies in Creative Writing: Poetry

Description:

Advanced study of the writing of poetry for students who have excelled at the introductory and intermediate levels.

Admission by portfolio. The portfolio should contain 15-25 pages of your best poetry and a 500-word description of your project. Please email your portfolio to creative-writing@utsc.utoronto.ca ~~dtysdal@utsc.utoronto.ca~~ by the last Friday of April (for Independent Studies beginning in either the Fall or Winter semesters).

Note: Students may normally count no more than 1.0 full credit of D-level independent study towards an English program.

Rationale:

1. Changes to the course description are editorial and will ensure that students submit their portfolios correctly.
2. Changes to the note are to establish that there are instances in which the department will consider counting more than 1.0 credit in independent study courses towards an English program.

Consultation: DCC Approval: October 30, 2019

Resources: None

ENGD27Y3: Independent Studies in Creative Writing: Prose

Description:

Advanced study of the writing of fiction or creative nonfiction for students who have excelled at the introductory and intermediate levels. Admission by portfolio. The portfolio should contain 30-40 pages of your best fiction or creative nonfiction and a 500-word description of your project. Please email your portfolio to creative-writing@utsc.utoronto.ca awestoll@utsc.utoronto.ca by the last Friday of April (for Independent Studies beginning in either the Fall or Winter semesters).

Note: Students may normally count no more than 1.0 full credit of D-level independent study towards an English program.

Rationale:

1. changes to the description are necessary to ensure that students submit their portfolios correctly.
2. Changes to the note are to establish that there are instances in which the department will consider counting more than 1.0 credit in independent study courses towards an English program.

Consultation: DCC Approval: October 30, 2019

Resources: None

ENGD28Y3: Independent Studies in Creative Writing: Special Topics

Title: Independent Studies in Creative Writing: Open Genre ~~Special Topics~~

Description:

Advanced study of the writing of a ~~non poetry / prose~~ ~~specific~~ genre (for example, screenwriting, comics, etc.), or ~~on~~ a multi-genre / multi-media project ~~specific topic or theme~~, for students who have excelled at the introductory and intermediate levels. Admission by portfolio. The portfolio should contain 20-30 pages of your best work composed in your genre of choice and a 500-word description of your project. Please email your portfolio to creative-writing@utsc.utoronto.ca dtysdal@utsc.utoronto.ca ~~~~ by the last Friday of April (for Independent Studies beginning in either the Fall or Winter semesters).

Note: Students may normally count no more than 1.0 full credit of D-level independent study towards an English program.

Rationale:

1. Changes to the title and description: these changes will make the focus of the course more clear and will ensure students submit their portfolios appropriately.
2. Changes to the note are to establish that there are instances in which the department will consider counting more than 1.0 credit in independent study courses towards an English program.

Consultation: DCC Approval: October 30, 2019

Resources: None

ENGD95H3: Creative Writing as a Profession

Prerequisites:

1.0 credit at the ~~2~~ C-level ~~courses~~ in Creative Writing ~~courses~~

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

Rationale:

1. changes to the prerequisite are editorial; they have been made to bring it into line with Calendar language norms.
2. Changes to the recommended preparation: with the introduction of a new Major in Creative Writing in 2020-21, rather than applying to each individual Creative Writing course, students will be required to apply via to the programs via portfolio.

Consultation: DCC Approval: October 30, 2019

Resources: None.



2020-21 Curriculum Cycle

Undergraduate Minor Curriculum Modifications for Information Report: Historical and Cultural Studies

February 10, 2020

Historical & Cultural Studies (UTSC), Department of

5 Minor Program Modifications:

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

Completion Requirements:

Program Requirements

Students must complete 7.0 credits as follows:

1. WSTA01H3 Introduction to Women's and Gender Studies

and

WSTA03H3 Introduction to Feminist Theories and Thought

2. WSTB05H3 Understanding Power and Knowledge in Approaches to 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

~~WSTC20H3 Women, Gender and Environmental (In) Justice~~

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

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: Story Telling and Social Change

WSTD11H3 Special Topics in Women's and Gender Studies

WSTD16H3 / HISC16H3 Socialist Feminism in Global Context

WSTD30H3 / GASD30H3 Gender and Techno-Orientalism

WSTD46H3 / HISC46H3 Selected Topics in Canadian Women's History

6. 2.0 credits from the courses 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

GGRD09H3 Feminist Geographies

GGRD10H3 Health and Sexuality

HISC45H3 Immigrant and Race Relations in Canadian History

HISC30H3 Gendering America

HISC56H3 'Coolies' and Others: Asian Labouring Diasporas in the British 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 2: WSTB05H3 title update
2. Requirement 5: WSTB09H3, WSTC26H3 and WSTD09H3 has been added as an optional course. Included the former course code for WSTB20H3. Added the double numbered course code for: WSTC10H3, WSTC28H3, WSTD16H3, WSTD30H3 and WSTD46H3

Rationale:

1. WSTB05H3 title has been updated, this change is necessary to ensure consistency and accuracy throughout the Calendar.
2. WSTB09H3, WSTC26H3 and WSTD09H3 are new courses that will provide students with an additional B, C, and D-level options to complete this program requirements. WSTC20H3 course code has been changed to WSTB20H3 and adding the double numbered course codes is necessary to ensure consistency and accuracy throughout the Calendar.

Impact: None**Consultation:** DCC Approval: October 10, 2019.**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):

- AFSA03H3/IDSA02H3 Experiencing Development in Africa
- 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
 CLAC05H3 Environment, Society and Economy in Ptolemaic and Roman Egypt
 ENGB17H3 Contemporary Literature from the Caribbean
 ENGB22H3 Contemporary Literature from Africa
 ENGC51H3 Contemporary Arab Women Writers
 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
 FREB02H3 Language Practice IV
 FREB35H3 Francophone Literature
 FREC47H3 Pidgin and Creole Languages
 FRED14H3 Advanced Topics in the Literature of Québec
 GGRB28H3 Geographies of Disease
 GGRC25H3 Land Reform and Development
HISC08H3 Colonialism on Film
 HISC34H3 Race, Segregation, Protest: South Africa and the United States
 HISC39H3 Hellhound on My Trail: Living the Blues in the Mississippi Delta, 1890-1945
 HISD50H3 Southern Africa: Conquest and Resistance, 1652-1900
HLTD27H3 Food Security , Food Sovereignty , and 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
 (VPHB65H3) Exhibiting Africa: Spectacle and the Politics of Representation
WSTB09H3 Gender , Race , and Colonialism
 WSTC13H3 Women, Gender and Islam
WSTC26H3 Critical Race and Black Feminist Theories

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

Description of Proposed Changes: Program Requirement 3: HISC08H3, HLTD27H3, WSTB09H3 and WSTC26H3 are being added as optional courses.

Rationale: HISC08H3, HLTD27H3, WSTB09H3 and WSTC26H3 will provide students with additional options to complete this program requirement.

Impact: None

Consultation: DCC Approval: October 10, 2019.

Resource Implications: None

MINOR PROGRAM IN CLASSICAL STUDIES (ARTS)

Completion Requirements:

Program Requirements

Students must complete 4.0 credits, as follows:

1. Introduction

CLAA04H3 The Ancient Mediterranean World

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

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

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

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

3. Students who have completed both (CLAA02H3) and (CLAA03H3) may substitute one of the courses for CLAA04H3 in Requirement 1.

Description of Proposed Changes: Requirement 5: CLAC68H3/HISC68H3/ANTC58H3 has been added as an optional course.

Rationale: CLAC68H3/HISC68H3/ANTC58H3 is being added because this course will provide students with an additional option to complete this program requirement.

Impact: None

Consultation: DCC Approval: October 10, 2019.

Resource Implications: None

MINOR PROGRAM IN FOOD STUDIES (ARTS)

Completion Requirements:

Program Requirements

Students must complete at least 4.0 credits in Food Studies-focused courses *, including the following:

1. FSTB01H3 Methodologies in Food Studies

2. An additional 3.5 credits , of which at least 2.0 credits must be at the C- or D-level ; among

3 - 0.5 credit at the D-level courses , at least 0.5 credit must come from courses taught in the Culinary Kitchen Laboratory*

*See the [Food Studies Courses Table](#) for food-studies related courses and courses taught in the Culinary Kitchen Laboratory.

Description of Proposed Changes:

1. Requirement 2: added 0.5 credit from D-level courses taught in the Culinary Kitchen Laboratory as part of their 2.0 credits at the C or D-level
2. Requirement 3: this requirement has been deleted and absorbed by Program Requirement 2

Rationale: 1./2. Currently, students are taking 0.5 credit at the D-level as part of their 2.0 credits required in requirement 2. Thus, the combination of requirements 2 and 3 will ensure clarity and accuracy.

Impact: None

Consultation: DCC Approval: October 10, 2019.

Resource Implications: None

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

Completion Requirements:

Program Requirements

Students must complete 4.0 credits as follows:

1. 1.0 credit from the following

WSTA01H3 Introduction to Women's and Gender Studies

and

WSTA03H3 Introduction to Feminist Theories and Thought

2. WSTB05H3 **Understanding Power and Knowledge in Approaches to Research**

3. WSTB11H3 Intersections of Inequality

4. 2.0 additional credits as follows : **including**

0.5 credit at the C-

level in WST courses taken from the list in requirement 5 of the Major program in Women's and Gender Studies

and

0.5 credit at the D-level : ~~1.0 credit~~ in WST courses taken from the list in requirement 5 of the Major program in Women's and Gender Studies ;

and

1.0 credit in courses taken from the list in requirement 6 of the Major program in Women's and Gender Studies.

Description of Proposed Changes:

1. Requirement 2: WSTB05H3 title updated

2. Requirement 4: added 0.5 credit at the D-level from WST courses only rather than from among all cross-listed courses.

Rationale:

1. WSTB05H3 course title has been updated, this change is necessary to ensure consistency and accuracy throughout the Calendar.

2. 0.5 credit at the D-level from WST courses is required for this program to ensure all WST students complete a capstone course that is offered at the D-level in the WST discipline.

Impact: None

Consultation: DCC Approval: October 10, 2019.

Resource Implications: None

41 Course Modifications:

GASB53H3: Mughals and the World, 1500-1858 AD

Description:

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

Same as HISB53H3

~~0.5 pre-1800 credit~~

~~Africa and Asia Area~~

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

Consultation: DCC Approval: October 10, 2019.

Resources: None

GASB57H3: Sub-Continental Histories: South Asia in the World

Description:

A survey of South Asian history. The course explores diverse and exciting elements of this long history, such as politics, religion, trade, literature, and the arts, keeping in mind South Asia's global and diasporic connections.

~~Africa and Asia Area~~

Same as HISB57H3

Rationale: The course description has been revised to remove the "Africa and Asia Area" designation as it is not relevant to Global Asia Studies.

Consultation: DCC Approval: October 10, 2019.

Resources: None

GASC33H3: Critical Perspectives in Global Buddhism

Description:

This course critically examines different aspects of Buddhism in global context

~~It is offered as part of the prestigious TLKY Visiting Professor program.~~

Rationale: The course description has been revised as the course is no longer part of the TLKY Visiting Professor Program.

Consultation: DCC Approval: October 10, 2019

Resources: None.

GASC50H3: Comparative Studies of East Asian Legal Cultures

Prerequisites: Any 4.0 credits, including 0.5 credit at the A- or B-level in **GAS** or HIS courses

Rationale: The course prerequisites have been revised to reduce confusion and ensure students from both History and Global Asia Studies are able to meet prerequisite requirements.

Consultation: DCC Approval: October 10, 2019.

Resources: None

GASC57H3: China and the World

Prerequisites: Any 4.0 credits, including 0.5 credit at the A- or B-level in **GAS** or HIS courses

Rationale: The prerequisite statement has been revised to reduce confusion and ensure students from both History and Global Asia Studies are able to meet prerequisite requirements.

Consultation: DCC Approval: October 10, 2019.

Resources: None

GASC59H3: The Making of Tamil Worlds

Prerequisites: Any 4.0 credits, including 0.5 credit at the A- or B-level in **GAS** or HIS courses

Rationale: The prerequisite statement has been revised to reduce confusion and ensure students from both History and Global Asia Studies are able to meet prerequisite requirements.

Consultation: DCC Approval: October 10, 2019.

Resources: None

GASD02H3: Senior Seminar: Topics in Global Asian Societies

Prerequisites: ~~[GASA01H3 and GASA02H3 and one C-level course from the options in the Specialist or Major program requirement #2]~~ Any 8.0 credits, including: [0.5 credit at the A- or B-level in GAS courses] and [0.5 credit at the C-level in GAS courses]

Note: Topics vary from year to year. Check the website: www.uts.utoronto.ca/~hcs/programs/global-asia-studies.html for current offerings.

Rationale: The course prerequisite has been revised to be uniform with other GAS D-level courses.

Consultation: DCC Approval: October 10, 2019.

Resources: None

GASD03H3: Senior Seminar: Topics in Global Asia Studies

Prerequisites: Any 8.0 credits , including : [0.5 credit at the A- or B-level in GAS courses] and [0.5 credit at the C-level in GAS courses]

Rationale: The course prerequisite has been revised to be uniform with other GAS D-level courses.

Consultation: DCC Approval: October 10, 2019.

Resources: None

GASD40H3: Senior Seminar: Issues in Chinese Media Studies

Prerequisites: ~~[GASA01H3 and GASA02H3] and one C-level course from the options in the Specialist or Major program requirement #2~~ Any 8.0 credits, including: [0.5 credit at the A- or B-level in GAS courses] and [0.5 credit at the C-level in GAS courses]

Rationale: The course prerequisite has been revised to be uniform with other GAS D-level courses.

Consultation: DCC Approval: October 10, 2019.

Resources: None

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

Description:

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

~~Africa and Asia Area~~

Same as HISD56H3

Prerequisites: [8.0 credits, at least 2.0 credits of which should be at the B- or C-level in GAS or Modern History courses] or [15.0 credits, including SOCB60H3]

Rationale:

1. The course description has been revised to better reflect the content and topics covered in this course.
2. The course prerequisites have been revised to reduce confusion and ensure students from both History and Global Asia Studies are able to meet prerequisite requirements.

Consultation: DCC Approval: October 10, 2019.

Resources: None

HISA06H3: Introducing Global Asia and its Histories

Description:

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

Same as GASA01H3

Africa and Asia Area

Rationale: The course description has been revised to inform students of what history area and requirement this course fulfills.

Consultation: DCC Approval: October 10, 2019.

Resources: None

HISA08H3: Africa in the World: An Introduction

Description:

An interdisciplinary introduction to the history and development of Africa with Africa's place in the wider world a key theme. Students critically engage with African and diasporic histories, cultures, social structures, economies, and belief systems. Course material is drawn from Archaeology, History, Geography, Literature, Film Studies and Women's Studies.

Same as AFSA01H3

Africa ~~African~~ and Asia ~~Asian~~ Area

Rationale: The course description has been revised to update “Asia and Africa Area” tag to ensure consistency with other courses from the same area.

Consultation: DCC Approval: October 10, 2019.

Resources: None

HISB12H3: The Classical World in Film

Description:

The representation of the classical world and historical events in film. How the Greek and Roman world is reconstructed by filmmakers, their use of spectacle, costume and furnishings, and the influence of archaeology on their portrayals. Films will be studied critically for historical accuracy and faithfulness to classical sources.

Same as CLAB20H3

Ancient World Area

Rationale: The course description has been updated to include the Ancient World Area tag so that students are aware of which History area requirement the course will fulfill.

Consultation: DCC Approval: October 10, 2019.

Resources: None

HISB37H3: History of Mexico

Description:

This class will examine Mexico's social and cultural history from the ancient Aztecs through the Spanish Conquest to the twentieth-century revolutionary movements led by Pancho Villa and Emiliano Zapata. It will also focus on Mexico's connections to the wider world through trade, migration, and cuisine.

United States and Latin America Area

Rationale: The course description has been updated to include the United States and Latin America Area tag so that students are aware of which History area requirement the course will fulfill.

Consultation: DCC Approval: October 10, 2019.

Resources: None

HISB41H3: Making of Modern Canada

Description:

Students will be introduced to historical processes central to the history of Canada's diverse peoples and the history of the modern age more generally, including the industrial revolution, women's entry in social and political "publics," protest movements, sexuality, and migration in the context of international links and connections.

Canadian Area

Rationale:

The "Canadian Area" designation is being added to the course description to confirm that it is a Canadian area history course and can be used towards this requirement.

Consultation: DCC Approval: October 10, 2019.

Resources: None

HISB54H3: Africa in the Postcolonial Era

Description:

Africa from the 1960s to the present. After independence, Africans experienced great optimism and then the disappointments of unmet expectations, development crises, conflict and AIDS. Yet the continent's strength is its youth. Topics include African socialism and capitalism; structural adjustment and resource economies; dictatorship and democratization; migration and urbanization; social movements.

Same as AFSB54H3

Asia and Africa Area

Rationale: The course description has been updated to include the Asia and Africa Area tag so that students are aware of which History area requirement the course will fulfill.

Consultation: DCC Approval: October 10, 2019.

Resources: None

HISB74H3: Asian Foods and Global Cities

Description:

This course explores the social circulation of Asian-identified foods and beverages using research from geographers, anthropologists, sociologists, and historians to understand their changing roles in ethnic entrepreneur-dominated cityscapes of London, Toronto, Singapore, Hong Kong, and New York. Foods under study include biryani, curry, coffee, dumplings, hoppers, roti, and tea.

Same as GASB74H3

Africa and Asia Area

Rationale: The course description has been updated to include the Asia and Africa Area tag so that students are aware of which History area requirement the course will fulfill.

Consultation: DCC Approval: October 10, 2019.

Resources: None

HISC04H3: Drink in History

Description:

This class seeks to recover a celebratory side of human experience that revolves around alcohol and stimulating beverages. Although most societies have valued psychoactive beverages, there has also been considerable ambivalence about the social consequences of excessive drinking. Students will examine drinking cultures through comparative historical study and ethnographic observation.

Transnational Area

Rationale: The course description has been updated to include the Transnational Area tag so that students are aware of which History area requirement the course will fulfill.

Consultation: DCC Approval: October 10, 2019.

Resources: None

HISC05H3: Feeding the City: Food Systems in Historical Perspective

Description:

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

Same as FSTC05H3

Transnational Area

Rationale: The course description has been updated to include the Transnational Area tag so that students are aware of which History area requirement the course will fulfill.

Consultation: DCC Approval: October 10, 2019.

Resources: None

HISC26H3: The French Revolution and the Napoleonic Empire

Abbreviated Title:

French Rev & ~~FRE~~ ~~Revolutn~~ Napoleonic Empire

Description:

The course will present the causes, processes, principles, and effects of the French Revolution. It will additionally present the relationship between the French Revolution and the Haitian Revolution, and look at the rise of Napoleon Bonaparte.

0.5 pre-1800 credit

European Area

Rationale: The "0.5 pre-1800 credit" and "European Area" designations are being added to the course description to confirm that the course can be used to fulfill those requirements.

Consultation: DCC Approval: October 10, 2019.

Resources: None

HISC27H3: The History of European Sexuality: From Antiquity to the Present

Description:

The course will cover major developments in sexuality in Europe since antiquity. It will focus on the manner in which social, political, and economic forces influenced the development of sexuality. It will also analyze how religious beliefs, philosophical ideas, and scientific understanding influenced the ways that sexuality was understood.

European Area

Rationale: The "European Area" designation is being added to the course description to confirm that the course can be used to fulfill requirements in this area.

Consultation: DCC Approval: October 10, 2019.

Resources: None

HISC30H3: The U.S. and the World

Description:

Collectively, immigrants, businesspeople, investors, missionaries, writers and musicians may have been as important as diplomats' geopolitical strategies in creating networks of connection and exchange between the United States and the world. This course focuses on the changing importance and interactions over time of key groups of state and non-state actors.

United States and Latin America Area

Rationale: The course description has been updated to include the United States and Latin America Area tag so that students are aware of which History area requirement the course will fulfill.

Consultation: DCC Approval: October 10, 2019.

Resources: None

HISC34H3: Race, Segregation, Protest: South Africa and the United States

Description:

This transnational history course explores the origins, consolidation, and unmaking of segregationist social orders in the American South and South Africa. It examines the origins of racial inequality, the structural and socio-political roots of segregation, the workings of racial practices and ideologies, and the various strategies of both accommodation and resistance employed by black South Africans and African Americans from the colonial era up to the late twentieth century.

Transnational Area

Rationale: The course description has been updated to include the Transnational Area tag so that students are aware of which History area requirement the course will fulfill.

Consultation: DCC Approval: October 10, 2019.

Resources: None

HISC39H3: Hellhound on My Trail: Living the Blues in the Mississippi Delta, 1890-1945

Description:

This course examines black life and culture in the cotton South through the medium of the blues. Major topics include: land tenure patterns in southern agriculture, internal and external migration, mechanisms of state and private labour control, gender conventions in the black community, patterns of segregation and changing race relations.

United States and Latin America Area

Rationale:

The course description has been updated to include the United States and Latin America Area tag so that students are aware of which History area requirement the course will fulfill.

Consultation: DCC Approval: October 10, 2019.

Resources: None

HISC51H3: From Opium to Maximum City: Narrating Political Economy in China and India

Description:

This course addresses literary, historical, ethnographic, and filmic representations of the political economy of China and the Indian subcontinent from the early 19th century to the present day. We will look at such topics as the role and imagination of the colonial-era opium trade that bound together India, China and Britain in the 19th century, anticolonial conceptions of the Indian and Chinese economies, representations of national physical health, as well as critiques of mass-consumption and capitalism in the era of the 'liberalization' and India and China's rise as major world economies. Students will acquire a grounding in these subjects from a range of interdisciplinary perspectives.

Same as GASC51H3

Asia and Africa Area

Rationale: The course description has been updated to include the Asia and Africa Area tag so that students are aware of which History area requirement the course will fulfill.

Consultation: DCC Approval: October 10, 2019.

Resources: None

HISC56H3: Comparative Studies of East Asian Legal Cultures

Prerequisites: Any 4.0 credits, including 0.5 credit at the A- or B-level in **GAS** or HIS courses

Rationale: The prerequisite statement has been revised to reduce confusion and ensure students from both History and Global Asia Studies are able to meet prerequisite requirements as the course is double numbered with both programs.

Consultation: DCC Approval: October 10, 2019.

Resources: None

HISC57H3: China and the World

Prerequisites: Any 4.0 credits, including 0.5 credit at the A- or B-level in **GAS** or HIS courses

Rationale: The prerequisite statement has been revised to reduce confusion and ensure students from both History and Global Asia Studies are able to meet prerequisite requirements as the course is double numbered with both programs.

Consultation: DCC Approval: October 10, 2019.

Resources: None

HISC59H3: The Making of Tamil Worlds

Prerequisites: Any 4.0 credits, including 0.5 credit at the A- or B-level in **GAS** or HIS courses

Rationale: The prerequisite statement has been revised to reduce confusion and ensure students from both History and Global Asia Studies are able to meet prerequisite requirements as the course is double numbered with both programs.

Consultation: DCC Approval: October 10, 2019.

Resources: None

HISC75H3: Migration in Global History

Description:

A survey of human mobility from the era when humans first populated the earth to the global migrations of our own time. An introduction to the main categories of human movement and to historical and modern arguments for fostering or restricting migration.

Transnational Area

Rationale: The "Transnational Area" designation has been added to the course description to confirm that the course may be used to fulfill requirements in this area of history.

Consultation: DCC Approval: October 10, 2019.

Resources: None

HISC96H3: Language and Society in the Arab World

Description:

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

Same as AFSC30H3

Asia and Africa Area

Rationale: The course description has been updated to include the Asia and Africa Area tag so that students are aware of which History area requirement the course will fulfill.

Consultation: DCC Approval: October 10, 2019.

Resources: None

HISD09H3: Senior Seminar: Topics in Global Asian Migrations

Description:

This course offers an in-depth and historicized study of important issues in historical and contemporary Asian, diasporic, and borderland societies such as migration, mobility, and circulation. It is conducted in seminar format with emphasis on discussion, critical reading and writing, digital skills, and primary research.

Same as GASD01H3

Asia and Africa Area

Rationale: The course description has been changed to include the Asia and Africa Area tag so that students are aware of which History area requirement the course will fulfill.

Consultation: DCC Approval: October 10, 2019.

Resources: None

HISD12H3: Making it Strange: Modernisms in European Art and Ideas, 1900-1945

Description:

The course will focus on major developments in art and ideas in early twentieth century Europe. We will study experimental forms of art and philosophy that fall under the broad category of Modernism, including painting, music, literature, and film, as well as philosophical essays, theoretical manifestos, and creative scholarly works.

European Area

Rationale: The course description has been changed to update the "European Area", to confirm what requirement this course will fulfill.

Consultation: DCC Approval: October 10, 2019.

Resources: None

HISD14H3: Selected Topics in Modern European History

Description:

This is a seminar-style course organized around a selected topic in Modern European History.

European Area

Rationale: The course description has been changed to include "European Area" designation, this will clarify to students what requirement this course will fulfill.

Consultation: DCC Approval: October 10, 2019.

Resources: None

HISD56H3: 'Coolies' and Others: Asian Labouring Diasporas in the British Empire

Prerequisites: [8.0 credits, ~~of which~~ at least 2.0 credits should be at the B-or C-level in GAS or Modern History courses]or[15.0 credits , including SOCB60H3]

Rationale:

1. The course description has been revised to better reflect the content and topics covered in this course.
2. The course prerequisites have been revised to reduce confusion and ensure students from both History and Global Asia Studies are able to meet prerequisite requirements.

Consultation: DCC Approval: October 10, 2019.

Resources: None

HISD71H3: Culinary Ethnography

Title: ~~Culinary Ethnography~~ Community Engaged Fieldwork With Food

Description:

This research seminar uses our immediate community of Scarborough to explore as a laboratory for examining continuity and change within diasporic foodways. Students will develop and practise ~~practice~~ ethnographic ~~research~~ and other qualitative research ~~mapping~~ skills to better understand the many intersections of food ~~document a family meal ; restaurant ; market ; festival ; culture dish , and community or other culinary icon~~ . This course culminates with a major project based on original research ~~They will also write an essay setting it within an appropriate analytical framework .~~

Same as ANTD71H3

Prerequisites: HISB14H3 /

~~HISC04H3 or~~ (HISC14H3)or HISC04H3 or [2.0 credits in ANT courses of which 1.0 credit must be at the C-level ~~HISB14H3~~] or permission of the instructor

Exclusions: ANTD71H3

Recommended Preparation: ANTB64H3, ANTC70H3

Rationale:

1. The course title and description have been revised to accurately reflect the content and topics covered in the course
2. An alias course number (ANTD71H3) has been added as the course will now be double numbered with Anthropology. The update to the course exclusions, recommended prep courses, enrolment limit has been made to accurately reflect the double numbering.
3. The prerequisites have been revised to be inclusive of ANT students.

Consultation: DCC Approval: October 10, 2019.

Resources: None

HISD72H3: History of Beer and Brewing

Description:

This research seminar examines the history of beer, including production techniques, gender roles, and drinking cultures, from ancient times to contemporary microbrewing. Students will produce a major paper or digital project on a chosen case study. Class will include a practicum on historical technologies of malting, mashing, and fermenting.

Transnational Area

Rationale: The course description has been changed to include the Transnational Area tag so that students are aware of which History area requirement the course will fulfill.

Consultation: DCC Approval: October 10, 2019.

Resources: None

HISD73H3: Engendering Canadian Food History

Description:

This course explores Canada's diverse food cultures and the varied relationships that Canadians have had historically with food practices in the context of family, community, region, and nation and with reference to transnational connections and identities. It examines Canada's foodways - the practices and traditions associated with food and food preparation - through the gendered lens of Indigenous-colonial relations, migration and diaspora, family, politics, nutrition, and popular culture. The course is organized around two central principles. One is that just as Canada's rich past resists any singular narrative, there is no such thing as a singular Canadian food tradition. The other is that a focus on questions related to women and gender further illuminate the complex relationship between food and cultural politics, variously defined. The course covers a broad time-span, from early contact between European settlers and First Nations through the end of the twentieth century.

Canadian Area

Rationale: The course description has been changed to include the Canadian Area tag so that students are aware of which History area requirement the course will fulfill.

Consultation: DCC Approval: October 10, 2019.

Resources: None

WSTA01H3: Introduction to Women's and Gender Studies

Description:

~~-An introduction to the study of women around the world from an interdisciplinary perspective. Issues to be addressed will include: women's diversity locally and globally, patriarchal foundations, the dynamics of socialization, and the transmission and perpetuation of images of women-~~ This course explores the intersection of social relations of power including gender, race, class, sexuality and disability, and provides an interdisciplinary and integrated approach to the study of women's lives in Canadian and global contexts. There is a strong focus on the development of critical reading and analytic skills.

Rationale: The course description has been revised to better reflect the topics and content covered in this course. The learning outcomes for this course are not impacted by this change.

Consultation: DCC Approval: October 10, 2019.

Resources: None

WSTB05H3: Power and Knowledge in Approaches to Research

Title: Understanding Power and Knowledge in Approaches to Research

Description:

Using a feminist and an intersectional lens, this course will critically analyze dominant various methods and alternative paradigms methodologies of knowledge production including research and social media will be explored. Concepts of objectivity paradigm; power, bias knowledge-creation, objectivity and ethics will be explored examined. Students will gain critical reading skills and learn the fundamentals of conducting research. There is an experiential learning component.

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

Consultation: DCC Approval: October 10, 2019.
Consultation with CCDS: October 7, 2019.

Resources: None

WSTC23H3: Community Engagement Practicum

Exclusions: HCSC01H3

Rationale: The course exclusion has added new HCSC01H3 since there is significant content overlap with this course.

Consultation: DCC Approval: December 19, 2019.

Resources: None

WSTC24H3: Gender in the Kitchen

Description:

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

Same as FSTC24H3

Prerequisites: 8.0 credits, including [0.5 credit at the A- A or B-level in WST courses] and [0.5 credit at the A or B-level in FST courses]

Exclusions: FSTC24H3

Rationale: This course is being double numbered with the new FSTC24H3 course because the content covered in this course fits in both discipline areas.

Consultation: DCC Approval: October 10, 2019.

Resources: None



2020-21 Curriculum Cycle

Undergraduate Minor Curriculum Modifications for Information

Report: Management

February 10, 2020

Management (UTSC), Department of

17 Minor Program Modifications:

SPECIALIST (CO-OPERATIVE) PROGRAM IN ECONOMICS FOR MANAGEMENT STUDIES (BACHELOR OF BUSINESS ADMINISTRATION)

Completion Requirements:

Program Requirements

Students must complete the program requirements as described in the Specialist Program in Economics for Management Studies.

Co-op Work Term Requirements

All Co-op students must take MGTA36H3 prior to the commencement of their first work term. Students are advised to consult regularly with the Academic Director, or the Program Advisor if they have questions regarding course selection and scheduling. It is, however, the students' individual responsibility to ensure that they have completed the correct courses to make them eligible for each work term and that they have correctly completed program and degree requirements for graduation.

Students who apply after the first year and are successful in receiving a June offer to any Management Co-op program will be expected to complete a Co-op **Advancing Your Career Exploration Work Term Preparation Course (AYCE WTPC)** course beginning in the third week of June, and continuing throughout the summer.

To compete for a work term a student must maintain a 2.5 CGPA, and must have completed:

1. For the first work term:

a) 7.0 credits, including: [MGTA05H3 or [MGTA01H3 and MGTA02H3], MGEA02H3 , MGEA06H3 , MGAB01H3 , MGAB02H3 , MGMA01H3 , MGTA36H3 , MATA32H3 and MATA33H3 . [MATA32H3 and MATA33H3] are strongly recommended, however [MATA30H3 / A31H3 and MATA35H3 / A36H3 / A37H3] may also be used to satisfy the calculus requirement.

b) The Management Co-

op **Advancing Your Career Exploration Work Term Preparation Course (AYCE WTPC)**: **COPB10Y3 / (COPD07Y3)** or [COPB11H3 and COPB12H3] or **COPB10Y3 { COPB13H3 and COPD14H3 }**.

2. For the second work term: 9.0 credits.

3. For the third work term: 11.0 credits.

For information on fees and status in Co-op programs, and certification of completion of Co-op programs, see section 6B.5 or the Management Co-op section in the UTSC *Calendar* .

Description of Proposed Changes:

Co-op Work Term Requirements: change the name of the Co-op Work Term Preparation Course (WTPC) to Advancing Your Career Exploration (AYCE) and correct the order of AYCE course codes.

Rationale:

The department is updating the work term course name to Advancing Your Career Exploration (AYCE) in order to mirror last year's approved changes to the Co-op Work Term course. The order of the courses in the Co-op Work Term has been changed to reflect the actual order in which the courses are offered.

Impact: None.

Consultation: Management Co-op Consultation: August 21st, 2019
DCC Approval: September 18th, 2019.

Resource Implications: None.

SPECIALIST (CO-OPERATIVE) PROGRAM IN MANAGEMENT (BACHELOR OF BUSINESS ADMINISTRATION)

Completion Requirements:

Program Requirements

Students must complete the program requirements as described in the Specialist Program in Management.

Co-op Work Term Requirements

All Co-op students must take MGTA36H3 prior to the commencement of their first work term. Students are advised to consult regularly with the Academic Director, or the Program Advisor if they have questions regarding course selection and scheduling. It is, however, the students' individual responsibility to ensure that they have completed the correct courses to make them eligible for each work term and that they have correctly completed program and degree requirements for graduation.

Students who apply after the first year and are successful in receiving a June offer to any Management Co-op program will be expected to complete a Co-op Advancing Your Career Exploration ~~Work Term Preparation Course~~ (AYCE ~~WTPC~~) course beginning in the third week of June ; and continuing throughout the summer.

To compete for a work term a student must maintain a 2.5 CGPA, and must have completed:

1. For the first work term:

a) 7.0 credits, including: [MGTA05H3 or

[MGTA01H3 and MGTA02H3], MGEA02H3 , MGEA06H3 , MGAB01H3 , MGAB02H3 , MGMA01H3 , MGTA36H3 , MATA32H3 and MATA33H3 . [MATA32H3 and MATA33H3] are strongly recommended, however [MATA30H3 / A31H3 and MATA35H3 / A36H3 / A37H3] may also be used to satisfy the calculus requirement.

b) The Management Co-

op Advancing Your Career Exploration ~~Work Term Preparation Course~~ (AYCE ~~WTPC~~): ~~COPB10Y3 / (COPD07Y3)~~ or [COPB11H3 and COPB12H3] or COPB10Y3 {COPB13H3 and COPD14H3}.

2. For the second work term: 9.0 credits.

3. For the third work term: 11.0 credits.

For information on fees and status in Co-op programs, and certification of completion of Co-op programs, see section 6B.5 or the Management Co-op section in the UTSC *Calendar* .

Description of Proposed Changes:

Co-op Work Term Requirements: change the name of the Co-op Work Term Preparation Course (WTPC) to Advancing Your Career Exploration (AYCE) and correct the order of AYCE course codes.

Rationale:

The department is updating the work term course name to Advancing Your Career Exploration (AYCE) in order to mirror last year's approved changes to the Co-op Work Term course. The order of the courses in the Co-op Work Term has been changed to reflect the actual order in which the courses are offered.

Impact: None.

Consultation:

Management Co-op Consultation: August 21st, 2019
DCC Approval: September 18th, 2019.

Resource Implications: None.

SPECIALIST (CO-OPERATIVE) PROGRAM IN MANAGEMENT AND ACCOUNTING (BACHELOR OF BUSINESS ADMINISTRATION)

Completion Requirements:

Program Requirements

Students must complete the program requirements as described in the Specialist Program in Management and Accounting.

Co-op Work Term Requirements

All Co-op students must take MGTA36H3 prior to the commencement of their first work term. Students are advised to consult regularly with the Academic Director, or the Program Advisor if they have questions regarding course selection and scheduling. It is, however, the students' individual responsibility to ensure that they have completed the correct courses to make them eligible for each work term and that they have correctly completed program and degree requirements for graduation.

Students who apply after the first year and are successful in receiving a June offer to any Management Co-op program will be expected to complete a Co-op **Advancing Your Career Exploration Work Term Preparation Course (AYCE WTPC)** course beginning in the third week of June ~~7~~ and continuing throughout the summer.

To compete for a work term a student must maintain a 2.5 CGPA, and must have completed:

1. For the first work term:

a) 7.0 credits, including: [MGTA05H3 or [MGTA01H3 and MGTA02H3], MGEA02H3 , MGEA06H3 , MGAB01H3 , MGAB02H3 , MGMA01H3 , MGTA36H3 , MATA32H3 and MATA33H3 . [MATA32H3 and MATA33H3] are strongly recommended, however [MATA30H3 / A31H3 and MATA35H3 / A36H3 / A37H3] may also be used to satisfy the calculus requirement.

b) The Management Co-op **Advancing Your Career Exploration Work Term Preparation Course (AYCE WTPC)**: ~~COPB10Y3 / (COPD07Y3)~~ **or** [COPB11H3 and COPB12H3] **or** **COPB10Y3 {COPB13H3 and COPD14H3}** .

2. For the second work term: 9.0 credits.

3. For the third work term: 11.0 credits.

For information on fees and status in Co-op programs, and certification of completion of Co-op programs, see section 6B.5 or the Management Co-op section in the UTSC *Calendar* .

Description of Proposed Changes:

Co-op Work Term Requirements: change the name of the Co-op Work Term Preparation Course (WTPC) to Advancing Your Career Exploration (AYCE) and correct the order of AYCE course codes

Rationale:

The department is updating the work term course name to Advancing Your Career Exploration (AYCE) in order to mirror last year's approved changes to the Co-op Work Term course. The order of the courses in the Co-op Work Term has been changed to reflect the actual order in which the courses are offered.

Impact: None.

Consultation:

Management Co-op Consultation: August 21st, 2019

DCC Approval: September 18th, 2019.

Resource Implications: None.

SPECIALIST (CO-OPERATIVE) PROGRAM IN MANAGEMENT AND FINANCE (BACHELOR OF BUSINESS ADMINISTRATION)

Completion Requirements:**Program Requirements**

Students must complete the program requirements as described in the Specialist Program in Management and Finance.

Co-op Work Term Requirements

All Co-op students must take MGTA36H3 prior to the commencement of their first work term. Students are advised to consult regularly with the Academic Director, or the Program Advisor if they have questions regarding course selection and scheduling. It is, however, the students' individual responsibility to ensure that they have completed the correct courses to make them eligible for each work term and that they have correctly completed program and degree requirements for graduation.

Students who apply after the first year and are successful in receiving a June offer to any Management Co-op program will be expected to complete a Co-op ~~Advancing Your Career Exploration Work Term Preparation Course (AYCE WTPC)~~ **Advancing Your Career Exploration** course beginning in the third week of June and continuing throughout the summer.

To compete for a work term a student must maintain a 2.5 CGPA, and must have completed:

1. For the first work term:

a) 7.0 credits, including: [MGTA05H3 or [MGTA01H3 and MGTA02H3], MGEA02H3 , MGEA06H3 , MGAB01H3 , MGAB02H3 , MGMA01H3 , MGTA36H3 , MATA32H3 and MATA33H3 . [MATA32H3 and MATA33H3] are strongly recommended, however [MATA30H3 / A31H3 and MATA35H3 / A36H3 / A37H3] may also be used to satisfy the calculus requirement.

b) The Management Co-op ~~Advancing Your Career Exploration Work Term Preparation Course (AYCE WTPC): COPB10Y3 / (COPD07Y3)~~ **Advancing Your Career Exploration** or [COPB11H3 and COPB12H3] or **Advancing Your Career Exploration** {COPB13H3 and COPD14H3}.

2. For the second work term: 9.0 credits.

3. For the third work term: 11.0 credits.

For information on fees and status in Co-op programs, and certification of completion of Co-op programs, see section 6B.5 or the Management Co-op section in the UTSC *Calendar* .

Description of Proposed Changes:

Co-op Work Term Requirements: change the name of the Co-op Work Term Preparation Course (WTPC) to Advancing Your Career Exploration (AYCE) and correct the order of AYCE course codes.

Rationale:

The department is updating the work term course name to Advancing Your Career Exploration (AYCE) in order to mirror last year's approved changes to the Co-op Work Term course. The order of the courses in the Co-op Work Term has been changed to reflect the actual order in which the courses are offered.

Impact: None.

Consultation:

Management Co-op Consultation: August 21st, 2019

DCC Approval: September 18th, 2019

Resource Implications: None.

SPECIALIST (CO-OPERATIVE) PROGRAM IN MANAGEMENT AND HUMAN RESOURCES (BACHELOR OF BUSINESS ADMINISTRATION)

Completion Requirements:

Program Requirements

Students must complete the program requirements as described in the Specialist Program in Management and Human Resources.

Co-op Work Term Requirements

All Co-op students must take MGTA36H3 prior to the commencement of their first work term. Students are advised to consult regularly with the Academic Director, or the Program Advisor if they have questions regarding course selection and scheduling. It is, however, the students' individual responsibility to ensure that they have completed the correct courses to make them eligible for each work term and that they have correctly completed program and degree requirements for graduation.

Students who apply after the first year and are successful in receiving a June offer to any Management Co-op program will be expected to complete a Co-op **Advancing Your Career Exploration Work Term Preparation Course (AYCE WTPC)** course beginning in the third week of June, and continuing throughout the summer.

To compete for a work term a student must maintain a 2.5 CGPA, and must have completed:

1. For the first work term:

a) 7.0 credits, including: [MGTA05H3 or [MGTA01H3 and MGTA02H3], MGEA02H3 , MGEA06H3 , MGAB01H3 , MGAB02H3 , MGMA01H3 , MGTA36H3 , MATA32H3 and MATA33H3 . [MATA32H3 and MATA33H3] are strongly recommended, however [MATA30H3 / A31H3 and MATA35H3 / A36H3 / A37H3] may also be used to satisfy the calculus requirement.

b) The Management Co-op **Advancing Your Career Exploration Work Term Preparation Course (AYCE WTPC): COPB10Y3 / (COPD07Y3) or [COPB11H3 and COPB12H3] or COPB10Y3 [COPB13H3 and COPD14H3]**.

2. For the second work term: 9.0 credits.

3. For the third work term: 11.0 credits.

For information on fees and status in Co-op programs, and certification of completion of Co-op programs, see section 6B.5 or the Management Co-op section in the UTSC *Calendar* .

Description of Proposed Changes:

Co-op Work Term Requirements: change the name of the Co-op Work Term Preparation Course (WTPC) to Advancing Your Career Exploration (AYCE) and correct the order of AYCE course codes.

Rationale:

The department is updating the work term course name to Advancing Your Career Exploration (AYCE) in order to mirror last year's approved changes to the Co-op Work Term course. The order of the courses in the Co-op Work Term has been changed to reflect the actual order in which the courses are offered.

Impact: None.

Consultation:

Management Co-op Consultation: August 21st, 2019
DCC Approval: September 18th, 2019.

Resource Implications: None.

SPECIALIST (CO-OPERATIVE) PROGRAM IN MANAGEMENT AND INFORMATION TECHNOLOGY (BACHELOR OF BUSINESS ADMINISTRATION)

Completion Requirements:**Program Requirements**

Students must complete the program requirements as described in the Specialist Program in Management and Information Technology.

Co-op Work Term Requirements

All Co-op students must take MGTA36H3 prior to the commencement of their first work term. Students are advised to consult regularly with the Academic Director, or the Program Advisor if they have questions regarding course selection and scheduling. It is, however, the students' individual responsibility to ensure that they have completed the correct courses to make them eligible for each work term and that they have correctly completed program and degree requirements for graduation.

Students who apply after the first year and are successful in receiving a June offer to any Management Co-op program will be expected to complete the Advancing Your Career Exploration a ~~Co-op Work Term Preparation Course~~ (AYCE ~~WTPC~~) course beginning in the third week of June ; and continuing throughout the summer.

To compete for a work term a student must maintain a 2.5 CGPA, and must have completed:

1. For the first work term:

a) 7.0 credits, including: [MGTA05H3 or [MGTA01H3 and MGTA02H3], MGEA02H3 , MGEA06H3 , MGAB01H3 , MGAB02H3 , MGMA01H3 , MGTA36H3 , MATA32H3 and MATA33H3 . [MATA32H3 and MATA33H3] are strongly recommended, however [MATA30H3 / A31H3 and MATA35H3 / A36H3 / A37H3] may also be used to satisfy the calculus requirement.

b) The Management Co-op Advancing Your Career Exploration course ~~Work Term Preparation Course~~ (AYCE ~~WTPC~~): COPB10Y3 / (~~COPD07Y3~~) ~~or~~ [COPB11H3 and COPB12H3] or COPB10Y3 { COPB13H3 and COPD14H3 } .

2. For the second work term: 9.0 credits.

3. For the third work term: 11.0 credits.

For information on fees and status in Co-op programs, and certification of completion of Co-op programs, see section 6B.5 or the Management Co-op section in the UTSC *Calendar* .

Description of Proposed Changes:

Co-op Work Term Requirements: change the name of the Co-op Work Term Preparation Course (WTPC) to Advancing Your Career Exploration (AYCE) and correct the order of AYCE course codes.

Rationale:

The department is updating the work term course name to Advancing Your Career Exploration (AYCE) in order to mirror last year's approved changes to the Co-op Work Term course. The order of the courses in the Co-op Work Term has been changed to reflect the actual order in which the courses are offered.

Impact: None

Consultation:

Management Co-op Consultation: August 21st, 2019

DCC Approval: September 18th, 2019.

Resource Implications: None

SPECIALIST (CO-OPERATIVE) PROGRAM IN MANAGEMENT AND INTERNATIONAL BUSINESS (BACHELOR OF BUSINESS ADMINISTRATION)

Completion Requirements:

Program Requirements

The Program requires the completion of 14.5 to 15.0 credits as part of a twenty-credit B.B.A. degree.

Note : A single course may only be used once to fulfill one of the following requirements:

1. 8.5 to 9.0 credits in Management as follows:

MGIA01H3 Principles of International Marketing

MGTA05H3 Foundations of Business Management or [MGTA01H3 and MGTA02H3]

MGTA36H3 Management Communications for Co-op

MGAB01H3 Introductory Financial Accounting I

MGIB01H3 Global Marketing

MGAB02H3 Introductory Financial Accounting II

MGIB02H3 International Organizational Behaviour

MGAB03H3 Introductory Management Accounting

MGFB10H3 Principles of Finance

MGIB12H3 International Human Resources

MGIC01H3 International Corporate Strategy

MGIC02H3 International Leadership Skills

MGOC10H3 **Analytics Analysis** for **Decision Making** ~~Decision-Making~~

MGFC10H3 Intermediate Finance

MGOC20H3 Operations Management ~~: A Mathematical Approach~~

MGID40H3 Introduction to International Business Law

MGID79H3 International Capstone Case Analysis

2. 1.0 credit in Calculus from:

[MATA32H3 and MATA33H3] strongly recommended, or

[MATA30H3/A31H3 and MATA35H3/A36H3/A37H3]

3. 3.0 credits in Economics for Management Studies as follows:

MGEA02H3 Introduction to Microeconomics: A Mathematical Approach

MGEA06H3 Introduction to Macroeconomics: A Mathematical Approach

MGEB02H3 Price Theory: A Mathematical Approach

MGEB06H3 Macroeconomic Theory and Policy: A Mathematical Approach

MGEB11H3 Quantitative Methods in Economics I

MGEB12H3 Quantitative Methods in Economics II

4. 2.0 credits (four H-courses) of Languages (LGG) or French (FRE) courses:

At least three courses must be in the same language (either LGG or FRE); the fourth course may follow that same

language or maybe a different language. Please note that your language skill will be assessed by the FRENCH and LANGUAGES areas before being formally placed in a given section.

Co-op Work Term Requirements

All Co-op students must take MGTA36H3 prior to the commencement of their first work term. Students are advised to consult regularly with the Academic Director, or the Program Advisor if they have questions regarding course selection and scheduling. It is, however, the students' individual responsibility to ensure that they have completed the correct courses to make them eligible for each work term and that they have correctly completed program and degree requirements for graduation.

Students who apply after the first year and are successful in receiving a June offer to any Management Co-op program will be expected to complete a Co-op **Advancing Your Career Exploration Work Term Preparation Course (AYCE WTPC)** course beginning in the third week of June, and continuing throughout the summer.

To compete for a work term a student must maintain a 2.5 CGPA, and must have completed:

1. For the first work term:

a) 7.0 credits, including: [MGTA05H3 or [MGTA01H3 and MGTA02H3], MGEA02H3 , MGEA06H3 , MGAB01H3 , MGAB02H3 , MGIA01H3, MGTA36H3 , MATA32H3 and MATA33H3 . [MATA32H3 and MATA33H3] are strongly recommended, however [MATA30H3 / A31H3 and MATA35H3 / A36H3 / A37H3] may also be used to satisfy the calculus requirement.

b) The Management Co-op **Advancing Your Career Exploration Work Term Preparation Course (AYCE WTPC)**: ~~COPB10Y3 / (COPD07Y3)~~ or [COPB13H3 and COPB14H3] or COPB10Y3.

2. For the second work term: 9.0 credits.

3. For the third work term: 11.0 credits.

International Work and Study Term Requirements

Students are required to complete at least one work term outside of Canada. The location of the international placements will vary according to student interest, availability of positions, practicability and safety of an area, as well as established international relationships.

Students are also required to complete one study term outside of Canada, typically in their third year with an approved partner University, and may be required to complete some of the program requirements during this time. Although scholarships may be available, students are expected to budget for the additional costs of studying abroad.

For information on fees and status in Co-op programs, and certification of completion of Co-op programs, see section 6B.5 or the Management Co-op section in the UTSC *Calendar* .

Description of Proposed Changes:

1. Requirement 1: updated course titles for MGOC10H3 and MGOC20H3
2. Co-op Work Term Requirements: change the name of the Co-op Work Term Preparation Course (WTPC) to Advancing Your Career Exploration (AYCE) and correct the order of AYCE course codes.

Rationale:

1. The course titles need to be updated for these courses to ensure consistency and accuracy throughout the Calendar.
2. The department is updating the work term course name to Advancing Your Career Exploration (AYCE) in order to mirror last year's approved changes to the Co-op Work Term course. The order of the courses in the Co-op Work Term has been changed to reflect the actual order in which the courses are offered.

Impact: None.

Consultation:

Management Co-op Consultation: August 21st, 2019

DCC Approval: September 18th, 2019.

Resource Implications: None.

SPECIALIST (CO-OPERATIVE) PROGRAM IN MANAGEMENT AND MARKETING (BACHELOR OF BUSINESS ADMINISTRATION)

Completion Requirements:

Program Requirements

Students must complete the program requirements as described in the Specialist Program in Management and Marketing.

Co-op Work Term Requirements

All Co-op students must take MGTA36H3 prior to the commencement of their first work term. Students are advised to consult regularly with the Academic Director, or the Program Advisor if they have questions regarding course selection and scheduling. It is, however, the students' individual responsibility to ensure that they have completed the correct courses to make them eligible for each work term and that they have correctly completed program and degree requirements for graduation.

Students who apply after the first year and are successful in receiving a June offer to any Management Co-op program will be expected to complete a Co-op **Advancing Your Career Exploration Work Term Preparation Course (AYCE WTPC)** beginning in the third week of June ; and continuing throughout the summer.

To compete for a work term a student must maintain a 2.5 CGPA, and must have completed:

1. For the first work term:

a) 7.0 credits, including: [MGTA05H3 or

[MGTA01H3 and MGTA02H3], MGEA02H3 , MGEA06H3 , MGAB01H3 , MGAB02H3 , MGMA01H3 , MGTA36H3 , MATA32H3 and MATA33H3 . [MATA32H3 and MATA33H3] are strongly recommended, however [MATA30H3 / A31H3 and MATA35H3 / A36H3 / A37H3] may also be used to satisfy the calculus requirement.

b) The Management Co-

op **Advancing Your Career Exploration Work Term Preparation Course (AYCE WTPC):** ~~COPB10Y3 / (COPD07Y3)~~ or [COPB11H3 and COPB12H3] or **COPB10Y3 {COPB13H3 and COPD14H3}** .

2. For the second work term: 9.0 credits.

3. For the third work term: 11.0 credits.

For information on fees and status in Co-op programs, and certification of completion of Co-op programs, see section 6B.5 or the Management Co-op section in the UTSC *Calendar* .

Description of Proposed Changes:

Co-op Work Term Requirements: change the name of the Co-op Work Term Preparation Course (WTPC) to Advancing Your Career Exploration (AYCE) and correct the order of AYCE course codes.

Rationale:

The department is updating the work term course name to Advancing Your Career Exploration (AYCE) in order to mirror last year's approved changes to the Co-op Work Term course. The order of the courses in the Co-op Work Term has been changed to reflect the actual order in which the courses are offered.

Impact: None.

Consultation:

Management Co-op Consultation: August 21st, 2019

DCC Approval: September 18th, 2019.

Resource Implications: None.

SPECIALIST (CO-OPERATIVE) PROGRAM IN STRATEGIC MANAGEMENT (BACHELOR OF BUSINESS ADMINISTRATION)

Completion Requirements:

Program Requirements

Students must complete the program requirements as described in the Specialist Program in Strategic Management.

Co-op Work Term Requirements

All Co-op students must take MGTA36H3 prior to the commencement of their first work term. Students are advised to consult regularly with the Academic Director, or the Program Advisor if they have questions regarding course selection and scheduling. It is, however, the students' individual responsibility to ensure that they have completed the correct courses to make them eligible for each work term and that they have correctly completed program and degree requirements for graduation.

Students who apply after the first year and are successful in receiving a June offer to any Management Co-op program will be expected to complete a Co-op **Advancing Your Career Exploration Work Term Preparation Course (AYCE WTPC)** course beginning in the third week of June, and continuing throughout the summer.

To compete for a work term a student must maintain a 2.5 CGPA, and must have completed:

1. For the first work term:

a) 7.0 credits, including: [MGTA05H3 or [MGTA01H3 and MGTA02H3], MGEA02H3 , MGEA06H3 , MGAB01H3 , MGAB02H3 , MGMA01H3 , MGTA36H3 , MATA32H3 and MATA33H3 . [MATA32H3 and MATA33H3] are strongly recommended, however [MATA30H3 / A31H3 and MATA35H3 / A36H3 / A37H3] may also be used to satisfy the calculus requirement.

b) The Management Co-op **Advancing Your Career Exploration Work Term Preparation Course (AYCE WTPC)**: **COPB10Y3 / (COPD07Y3) or** [COPB11H3 and COPB12H3] or **COPB10Y3 {COPB13H3 and COPD14H3}** .

2. For the second work term: 9.0 credits.

3. For the third work term: 11.0 credits.

For information on fees and status in Co-op programs, and certification of completion of Co-op programs, see section 6B.5 or the Management Co-op section in the UTSC *Calendar* .

Description of Proposed Changes:

Co-op Work Term Requirements: change the name of the Co-op Work Term Preparation Course (WTPC) to Advancing Your Career Exploration (AYCE) and correct the order of AYCE course codes

Rationale:

The department is updating the work term course name to Advancing Your Career Exploration (AYCE) in order to mirror last year's approved changes to the Co-op Work Term course. The order of the courses in the Co-op Work Term has been changed to reflect the actual order in which the courses are offered.

Impact: None.

Consultation:

Management Co-op Consultation: August 21st, 2019
DCC Approval: September 18th, 2019.

Resource Implications: None.

SPECIALIST PROGRAM IN ECONOMICS FOR MANAGEMENT STUDIES (BACHELOR OF BUSINESS ADMINISTRATION)

Completion Requirements:

Program Requirements

The Specialist Program in Economics for Management Studies requires the completion of 17.0 to 17.5 ~~18.0~~ credits as part of a twenty-credit B.B.A. degree.

Note : A single course may only be used once to fulfill one of the following requirements:

1. 8.5 credits in Economics for Management Studies:

MGEA02H3 Introduction to Microeconomics: A Mathematical Approach
MGEA06H3 Introduction to Macroeconomics: A Mathematical Approach
MGEB02H3 Price Theory: A Mathematical Approach
MGEB06H3 Macroeconomic Theory and Policy: A Mathematical Approach
MGEB11H3 Quantitative Methods in Economics I
MGEB12H3 Quantitative Methods in Economics II
MGEC02H3 Topics in Price Theory
MGEC06H3 Topics in Macroeconomics Theory
MGEC11H3 Introduction to Regression Analysis
MGED02H3 Advanced Microeconomic Theory
MGED06H3 Advanced Macroeconomic Theory
MGED11H3 Theory and Practice of Regression Analysis
MGED50H3 Workshop in Economic Research,
and
2.0 credits in Economics for Management Studies courses including at least 1.0 credit at the C-level [excluding MGEC91H3, MGEC92H3, and MGEC93H3].

2. (1.0 credit):

[MATA32H3 and MATA33H3] strongly recommended, or
[MATA30H3/A31H3 and MATA35H3/A36H3/A37H3].

3. (7.0 to 7.5 ~~8.0~~ credits, depending on the combination of courses completed):

MGMA01H3 Principles of Marketing
MGTA05H3 Foundations of Business Management or [MGTA01H3 and MGTA02H3]
[MGTA35H3 Management Communications for non Co-op or MGTA36H3 Management Communications for Co-op]
MGAB01H3 Introductory Financial Accounting I
MGAB02H3 Introductory Financial Accounting II
MGAB03H3 Introductory Management Accounting
MGFB10H3 Principles of Finance
MGHB02H3 Managing People and Groups in Organizations
MGHB12H3 Human Resource Management
MGMB01H3 Marketing Management
MGFC10H3 Intermediate Finance
MGHC02H3 Management Skills
MGOC10H3 **Analytics Analysis** for Decision Making
MGOC20H3 Operations Management : ~~A Mathematical Approach~~

4. At least 0.5 credit of courses emphasizing strategic management, chosen from:

MGSC01H3 Corporate Strategy
MGSC03H3 Public Management
MGSC05H3 The Changing World of Business-Government Relations
MGSC12H3 Narrative and Management
MGSC14H3 Management Ethics
MGSC20H3 Consulting and Contracting: New Ways of Work
MGSB22H3 Entrepreneurship

MGSD24H3 New Venture Creation and Planning
MGSC30H3 The Legal Environment of Business I

Note: In selecting options and electives, students should refer to the guidelines for program breadth and depth found in section 6A.2 (Degree Requirements) of this *Calendar*.

Description of Proposed Changes: 1. Reduced total program credit count by 0.5 credit
2. Requirement 3: reduced credit count by 0.5 credit. Updated course titles for MGOC10H3 and MGOC20H3

Rationale: 1. Acknowledges the adjustment in the total credit count that resulted from removing the retired course codes from program requirement 3.
2. The reduction in 0.5 credit acknowledges the adjustment that resulted from removing retired course codes. The course titles need to be updated for these courses to ensure consistency and accuracy throughout the Calendar.

Impact: None.

Consultation: DCC Approval: September 18, 2019.

Resource Implications: None.

SPECIALIST PROGRAM IN MANAGEMENT (BACHELOR OF BUSINESS ADMINISTRATION)

Completion Requirements:

Program Requirements

This program requires the completion of 13.5 to 14.05 credits as part of a twenty-credit B.B.A. degree.

Note: A single course may only be used once to fulfill one of the following requirements:

1. (7.0 to 7.5 8.0 credits, depending on the combination of courses completed):

MGMA01H3 Principles of Marketing
MGTA05H3 Foundations of Business Management or [MGTA01H3 and MGTA02H3]
[MGTA35H3 Management Communications for non Co-op or MGTA36H3 Management Communications for Co-op]
MGAB01H3 Introductory Financial Accounting I
MGAB02H3 Introductory Financial Accounting II
MGAB03H3 Introductory Management Accounting
MGFB10H3 Principles of Finance
MGHB02H3 Managing People and Groups in Organizations
MGHB12H3 Human Resource Management
MGMB01H3 Marketing Management
MGFC10H3 Intermediate Finance
MGHC02H3 Management Skills
MGOC10H3 **Analytics Analysis** for Decision Making
MGOC20H3 Operations Management ÷ **A Mathematical Approach**

2. (1.0 credit):

[MATA32H3 and MATA33H3] strongly recommended, or
[MATA30H3/A31H3 and MATA35H3/A36H3/A37H3]

3. At least 0.5 credit of courses emphasizing strategic management, chosen from:

MGSC01H3 Corporate Strategy
MGSC03H3 Public Management
MGSC05H3 The Changing World of Business-Government Relations
MGSC12H3 Narrative and Management

MGSC14H3 Management Ethics
MGSC20H3 Consulting and Contracting: New Ways of Work
MGSB22H3 Entrepreneurship
MGSD24H3 New Venture Creation and Planning
MGSC30H3 The Legal Environment of Business I

4. (4.0 credits):

MGEA02H3 Introduction to Microeconomics: A Mathematical Approach
MGEA06H3 Introduction to Macroeconomics: A Mathematical Approach
MGEB02H3 Price Theory: A Mathematical Approach
MGEB06H3 Macroeconomic Theory and Policy: A Mathematical Approach
MGEB11H3 Quantitative Methods in Economics I
MGEB12H3 Quantitative Methods in Economics II

and

1.0 credit at the C-level in Economics for Management Studies courses [excluding MGEC91H3, MGEC92H3, and MGEC93H3]

5. 1.0 credit of D-level in Management or Economic courses.

Note: In selecting options and electives, students should refer to the guidelines for program breadth and depth found in section [6A.2 \(Degree Requirements\)](#) of this *Calendar*.

Description of Proposed Changes: 1. Reduced total program credit count by 0.5 credit
2. Requirement 1: reduced credit by 0.5 credit. Updated course titles for MGOC10H3 and MGOC20H3

Rationale: 1. Acknowledges the adjustment in the total credit count that resulted from removing the retired course codes from program requirement 1.
2. The reduction in 0.5 credit acknowledges the adjustment that resulted from removing the retired course codes. The course titles need to be updated for these courses to ensure consistency and accuracy throughout the Calendar.

Impact: None.

Consultation: DCC Approval: September 18, 2019.

Resource Implications: None.

SPECIALIST PROGRAM IN MANAGEMENT AND ACCOUNTING (BACHELOR OF BUSINESS ADMINISTRATION)

Completion Requirements:

Program Requirements

The Program requires the completion of 16.5 to 17.0~~5~~ credits as part of a twenty-credit B.B.A. degree.

Note : A single course may only be used once to fulfill one of the following requirements:

1. (7.0 to 7.5 ~~8.0~~ credits, depending on the combination of courses completed):

MGMA01H3 Principles of Marketing
MGTA05H3 Foundations of Business Management or [MGTA01H3 and MGTA02H3]
[MGTA35H3 Management Communications for non Co-op or MGTA36H3 Management Communications for Co-op]
MGAB01H3 Introductory Financial Accounting I
MGAB02H3 Introductory Financial Accounting II
MGAB03H3 Introductory Management Accounting
MGFB10H3 Principles of Finance
MGHB02H3 Managing People and Groups in Organizations
MGHB12H3 Human Resource Management
MGMB01H3 Marketing Management

MGFC10H3 Intermediate Finance
MGHC02H3 Management Skills
MGOC10H3 **Analytics Analysis** for Decision Making
MGOC20H3 Operations Management : ~~A Mathematical Approach~~

2. (1.0 credit):

[MATA32H3 and MATA33H3] strongly recommended, or
[MATA30H3/A31H3 and MATA35H3/A36H3/A37H3]

3. (4.0 credits):

MGEA02H3 Introduction to Microeconomics: A Mathematical Approach
MGEA06H3 Introduction to Macroeconomics: A Mathematical Approach
MGEB02H3 Price Theory: A Mathematical Approach
MGEB06H3 Macroeconomic Theory and Policy: A Mathematical Approach
MGEB11H3 Quantitative Methods in Economics I
MGEB12H3 Quantitative Methods in Economics II

and

1.0 credit at the C-level in Economics for Management Studies courses [excluding MGEC91H3, MGEC92H3, and MGEC93H3]

4. (4.0 credits):

MGAC01H3 Intermediate Financial Accounting I
MGAC02H3 Intermediate Financial Accounting II
MGAC03H3 Intermediate Management Accounting
MGSC30H3 The Legal Environment of Business I
MGAC50H3 Canadian Income Taxation I
MGAC70H3 Management Information Systems
MGAC10H3 Auditing
MGAD70H3 Advanced Accounting Case Analysis: A Capstone Course

5. At least one D-level course (0.5 credit) from:

MGAD20H3 Advanced Auditing
MGAD40H3 Management Control Systems
MGAD45H3 Corporate Governance and Strategy: CPA Perspective
MGAD50H3 Advanced Financial Accounting
MGAD65H3 Canadian Income Taxation II

Notes:

1. In selecting options and electives, students should refer to the guidelines for program breadth and depth found in section [6A.2 \(Degree Requirements\)](#) of this *Calendar*.

2. The Chartered Professional Accountancy (CPA) requirements:

Students interested in the CPA designation must also complete: MGAD40H3/(MGTD54H3) Management Control Systems, MGAD50H3/(MGTD50H3) Advanced Financial Accounting, MGAD65H3/(MGAC60H3) Canadian Income Taxation II, MGAD20H3/(MGTD61H3) Advanced Auditing and MGAD45H3/(MGSC40H3) Corporate Governance and Strategy: CPA Perspective.

Students are strongly advised to refer to the CPA Ontario website. This website will have the designation's specified minimum grade and the updated program requirements. It is imperative that students check the following [website](#) regularly for current information.

Description of Proposed Changes: 1. Reduced total program credit count by 0.5 credit
2. Requirement 1: reduced credit count by 0.5 credit. Updated course titles for MGOC10H3 and MGOC20H3

Rationale: 1. Acknowledges the adjustment in the total credit count that resulted from removing the retired course codes from program requirement 1.
2. The reduction in 0.5 credit acknowledges the adjustment that resulted from removing the retired course codes. The course titles need to be updated for these courses to ensure consistency and accuracy throughout the Calendar.

Impact: None.

Consultation: DCC Approval: September 18, 2019.

Resource Implications: None.

SPECIALIST PROGRAM IN MANAGEMENT AND FINANCE (BACHELOR OF BUSINESS ADMINISTRATION)

Completion Requirements:

Program Requirements

The Program requires the completion of 15.5 to 16.0~~5~~ credits as part of a twenty-credit B.B.A. degree.

Note : A single course may only be used once to fulfill one of the following requirements:

1. (7.0 to 7.5 ~~8.0~~ credits, depending on the combination of courses completed):

MGMA01H3 Principles of Marketing
MGTA05H3 Foundations of Business Management or [MGTA01H3 and MGTA02H3]
[MGTA35H3 Management Communications for non Co-op or MGTA36H3 Management Communications for Co-op]
MGAB01H3 Introductory Financial Accounting I
MGAB02H3 Introductory Financial Accounting II
MGAB03H3 Introductory Management Accounting
MGFB10H3 Principles of Finance
MGHB02H3 Managing People and Groups in Organizations
MGHB12H3 Human Resource Management
MGMB01H3 Marketing Management
MGFC10H3 Intermediate Finance
MGHC02H3 Management Skills
MGOC10H3 **Analyt**ics **Anal**ysis for Decision Making
MGOC20H3 Operations Management ÷ **A Mathematical Approach**

2. (1.0 credit):

[MATA32H3 and MATA33H3] strongly recommended, or
[MATA30H3/A31H3 and MATA35H3/A36H/A37H3]

3. At least 0.5 credit of courses emphasizing strategic management, chosen from:

MGSC01H3 Corporate Strategy
MGSC03H3 Public Management
MGSC05H3 The Changing World of Business-Government Relations
MGSC12H3 Narrative and Management
MGSC14H3 Management Ethics
MGSC20H3 Consulting and Contracting: New Ways of Work
MGSB22H3 Entrepreneurship
MGSD24H3 New Venture Creation and Planning
MGSC30H3 The Legal Environment of Business I

4. (4.0 credits):

MGEA02H3 Introduction to Microeconomics: A Mathematical Approach
MGEA06H3 Introduction to Macroeconomics: A Mathematical Approach
MGEB02H3 Price Theory: A Mathematical Approach
MGEB06H3 Macroeconomic Theory and Policy: A Mathematical Approach
MGEB11H3 Quantitative Methods in Economics I
MGEB12H3 Quantitative Methods in Economics II
and
1.0 credit at the C-level in Economics for Management Studies courses [excluding MGEC91H3, MGEC92H3, and MGEC93H3]

5. (1.0 credit):

MGFC30H3 Introduction to Derivative Markets

MGFD10H3 Investments

6. At least 2.0 full credits from:

MGEC71H3 Money and Banking

MGFC20H3 Personal Financial Management

MGFC50H3 International Financial Management

MGFC60H3 Financial Statement Analysis & Security Valuation

MGFD15H3 Special Topics in Finance: Private Equity

MGFD30H3 Risk Management

MGFD40H3 Investor Psychology & Behavioural Finance

MGFD50H3 Mergers & Acquisitions: Theory & Practice

MGFD60H3 Financial Modelling & Trading Strategies

MGFD70H3 Advanced Financial Management

Note: In selecting options and electives, students should refer to the guidelines for program breadth and depth found in section 6A.2 (Degree Requirements) of this *Calendar*.

Description of Proposed Changes: 1. Reduced total program credit count by 0.5 credit

2. Requirement 1: reduced credit count by 0.5 credit. Updated course titles for MGOC10H3 and MGOC20H3

Rationale: 1. Acknowledges the adjustment in the total credit count that resulted from removing the retired course codes from program requirement 1.

2. The reduction in 0.5 credit acknowledges the adjustment that resulted from removing retired course codes. The course titles need to be updated for these courses to ensure consistency and accuracy throughout the Calendar.

Impact: None.

Consultation: DCC Approval: September 18, 2019.

Resource Implications: None.

SPECIALIST PROGRAM IN MANAGEMENT AND HUMAN RESOURCES (BACHELOR OF BUSINESS ADMINISTRATION)

Completion Requirements:

Program Requirements

The Program requires the completion of 15.5 to 16.0~~5~~ credits as part of a twenty-credit B.B.A.degree.

Note : A single course may only be used once to fulfill one of the following requirements:

1. (7.0 to 7.5 ~~8.0~~ credits, depending on the combination of courses completed):

MGMA01H3 Principles of Marketing

MGTA05H3 Foundations of Business Management or [MGTA01H3 and MGTA02H3]

[MGTA35H3 Management Communications for non Co-op or MGTA36H3 Management Communications for Co-op]

MGAB01H3 Introductory Financial Accounting I

MGAB02H3 Introductory Financial Accounting II

MGAB03H3 Introductory Management Accounting

MGFB10H3 Principles of Finance

MGHB02H3 Managing People and Groups in Organizations

MGHB12H3 Human Resource Management

MGMB01H3 Marketing Management

MGFC10H3 Intermediate Finance

MGHC02H3 Management Skills

MGOC10H3 **Analytics Analysis** for Decision Making

MGOC20H3 Operations Management ÷ **A Mathematical Approach**

2. (1.0 credit):

[MATA32H3 and MATA33H3] strongly recommended, or
[MATA30H3/A31H3 and MATA35H3/A36H/A37H3]

3. At least 0.5 credit of courses emphasizing strategic management, chosen from:

MGSC01H3 Corporate Strategy
MGSC03H3 Public Management
MGSC05H3 The Changing World of Business-Government Relations
MGSC12H3 Narrative and Management
MGSC14H3 Management Ethics
MGSC20H3 Consulting and Contracting: New Ways of Work
MGSB22H3 Entrepreneurship
MGSD24H3 New Venture Creation and Planning
MGSC30H3 The Legal Environment of Business I

4. (4.0 credits):

MGEA02H3 Introduction to Microeconomics: A Mathematical Approach
MGEA06H3 Introduction to Macroeconomics: A Mathematical Approach
MGEB02H3 Price Theory: A Mathematical Approach
MGEB06H3 Macroeconomic Theory and Policy: A Mathematical Approach
MGEB11H3 Quantitative Methods in Economics I
MGEB12H3 Quantitative Methods in Economics II

and

1.0 credit at the C-level in Economics for Management Studies courses [excluding MGEC91H3, MGEC92H3, and MGEC93H3]

5. (3.0 credits):

MGHC53H3 Introduction to Industrial Relations
MGHD24H3 Occupational Health and Safety Management
MGHD25H3 Human Resources Recruitment & Selection
MGHD26H3 Training and Development
MGHD27H3 Human Resources Planning and Strategy
MGHD28H3 Compensation

Note: In selecting options and electives, students should refer to the guidelines for program breadth and depth found in section 6A.2 (Degree Requirements) of this *Calendar*.

Description of Proposed Changes: 1. Reduced total program credit count by 0.5 credit
2. Requirement 1: reduced credit count by 0.5 credit. Updated course titles for MGOC10H3 and MGOC20H3

Rationale: 1. Acknowledges the adjustment in the total credit count that resulted from removing the retired course codes from program requirement 1.
2. The reduction in 0.5 credit acknowledges the adjustment that resulted from removing retired course codes. The course titles need to be updated for these courses to ensure consistency and accuracy throughout the Calendar.

Impact: None.

Consultation: DCC Approval: September 18, 2019.

Resource Implications: None.

SPECIALIST PROGRAM IN MANAGEMENT AND INFORMATION TECHNOLOGY (BACHELOR OF BUSINESS ADMINISTRATION)

Completion Requirements:

Program Requirements

The Program requires the completion of 15.5 to 16.05 credits as part of a twenty-credit B.B.A. degree.

Notes:

1. Students who have taken STAB52H3 and STAB57H3 and then transfer to any other BBA program must also take MGEB12H3 to fulfill the program requirements.

2. A single course may only be used once to fulfill one of the following requirements:

1. (7.0 to 7.5 8.0 credits, depending on the combination of courses completed):

MGMA01H3 Principles of Marketing

MGTA05H3 Foundations of Business Management or [MGTA01H3 and MGTA02H3]

[MGTA35H3 Management Communications for non Co-op or MGTA36H3 Management Communications for Co-op]

MGAB01H3 Introductory Financial Accounting I

MGAB02H3 Introductory Financial Accounting II

MGAB03H3 Introductory Management Accounting

MGFB10H3 Principles of Finance

MGHB02H3 Managing People and Groups in Organizations

MGHB12H3 Human Resource Management

MGMB01H3 Marketing Management

MGFC10H3 Intermediate Finance

MGHC02H3 Management Skills

MGOC10H3 **Analytics Analysis** for Decision Making

MGOC20H3 Operations Management : ~~A Mathematical Approach~~

2. (1.0 credit):

[MATA32H3 and MATA33H3], strongly recommended or

[MATA30H3/A31H3 and MATA35H3/A36H/A37H3]

3. (3.0 credits):

CSCA08H3 Introduction to Computer Science I

CSCA48H3 Introduction to Computer Science II

CSCB07H3 Software Design

CSCB09H3 Software Tools and Systems Software

CSCB20H3 Introduction to Databases and Web Applications

CSCC01H3 Introduction to Software Engineering

4. (3.5 credits):

MGEA02H3 Introduction to Microeconomics: A Mathematical Approach

MGEA06H3 Introduction to Macroeconomics: A Mathematical Approach

MGEB02H3 Price Theory: A Mathematical Approach

MGEB06H3 Macroeconomic Theory and Policy: A Mathematical Approach

[[MGEB11H3 Quantitative Methods in Economics I and MGEB12H3 Quantitative Methods in Economics II] or

[STAB52H3 Statistics I and STAB57H3 Statistics II]]

and

0.5 credit at the C-level in Economics course selected from the following list:

MGEC40H3 Economics of Organization and Management

MGEC41H3 Industrial Organization

MGEC51H3 Labour Economics I

MGEC58H3 Economics of Human Resource Management

MGEC61H3 International Economics: Finance

MGEC71H3 Money and Banking

5. (0.5 credit):

MGSD15H3 Managing in the Information Economy

6. 0.5 credit at the D-level in Management, Economics or CSC courses.

Note: In selecting options and electives, students should refer to the guidelines for program breadth and depth found in section 6A.2 (Degree Requirements) of this *Calendar*.

Description of Proposed Changes: 1. Reduced total program credit count by 0.5 credit
2. Requirement 1: reduced credit count by 0.5 credit. Updated course titles for MGOC10H3 and MGOC20H3

Rationale: 1. Acknowledges the adjustment in the total credit count that resulted from removing the retired course codes from program requirement 1.
2. The reduction in 0.5 credit acknowledges the adjustment that resulted from removing retired course codes. The course titles need to be updated for these courses to ensure consistency and accuracy throughout the Calendar.

Impact: None.

Consultation: DCC Approval: September 18, 2019.

Resource Implications: None.

SPECIALIST PROGRAM IN MANAGEMENT AND MARKETING (BACHELOR OF BUSINESS ADMINISTRATION)

Completion Requirements:

Program Requirements

The Program requires the completion of 15.5 to 16.05 credits as part of a twenty-credit B.B.A. degree.

Note: A single course may only be used once to fulfill one of the following requirements:

1. (7.0 to 7.5 8.0 credits, depending on the combination of courses completed):

MGMA01H3 Principles of Marketing
MGTA05H3 Foundations of Business Management or [MGTA01H3 and MGTA02H3]
[MGTA35H3 Management Communications for non Co-op or MGTA36H3 Management Communications for Co-op]
MGAB01H3 Introductory Financial Accounting I
MGAB02H3 Introductory Financial Accounting II
MGAB03H3 Introductory Management Accounting
MGFB10H3 Principles of Finance
MGHB02H3 Managing People and Groups in Organizations
MGHB12H3 Human Resource Management
MGMB01H3 Marketing Management
MGFC10H3 Intermediate Finance
MGHC02H3 Management Skills
MGOC10H3 **Analytics Analysis** for Decision Making
MGOC20H3 Operations Management : **A Mathematical Approach**

2. (1.0 credit):

[MATA32H3 and MATA33H3] strongly recommended, or
[MATA30H3/A31H3 and MATA35H3/A36H3/A37H3]

3. At least 0.5 credit of courses emphasizing strategic management, chosen from:

MGSC01H3 Corporate Strategy
MGSC03H3 Public Management
MGSC05H3 The Changing World of Business-Government Relations
MGSC12H3 Narrative and Management
MGSC14H3 Management Ethics
MGSC20H3 Consulting and Contracting: New Ways of Work
MGSB22H3 Entrepreneurship
MGSD24H3 New Venture Creation and Planning
MGSC30H3 The Legal Environment of Business I

4. (4.0 credits):

MGEA02H3 Introduction to Microeconomics: A Mathematical Approach
MGEA06H3 Introduction to Macroeconomics: A Mathematical Approach
MGEB02H3 Price Theory: A Mathematical Approach
MGEB06H3 Macroeconomic Theory and Policy: A Mathematical Approach
MGEB11H3 Quantitative Methods in Economics I
MGEB12H3 Quantitative Methods in Economics II

and

1.0 credit at the C-level in Economics for Management Studies courses [excluding MGEC91H3, MGEC92H3, and MGEC93H3].

5. 6 of the following courses (3.0 credits):

MGMC01H3 Market Research
MGMC02H3 Consumer Behaviour
MGMC11H3 Product Management and Branding
MGMC12H3 Advertising: From Theory to Practice
MGMC13H3 Pricing Strategy
MGMC14H3 Sales and Distribution Management
MGMD01H3 Applied Marketing Models
MGMD02H3 Judgement and Decision Making
MGMD10H3 Seminar in Consumer Psychology I
MGMD11H3 Seminar in Consumer Psychology II
MGMD20H3 Special Topics in Marketing I
MGMD21H3 Special Topics in Marketing II

Note: In selecting options and electives, students should refer to the guidelines for program breadth and depth found in section 6A.2 (Degree Requirements) of this *Calendar* .

Description of Proposed Changes: 1. Reduced total program credit count by 0.5 credit
2. Requirement 1: reduced credit count by 0.5 credit. Updated course titles for MGOC10H3 and MGOC20H3

Rationale: 1. Acknowledges the adjustment in the total credit count that resulted from removing the retired course codes from program requirement 1.
2. The reduction in 0.5 credit acknowledges the adjustment that resulted from removing retired course codes. The course titles need to be updated for these courses to ensure consistency and accuracy throughout the Calendar.

Impact: None.

Consultation: DCC Approval: September 18, 2019.

Resource Implications: None.

SPECIALIST PROGRAM IN STRATEGIC MANAGEMENT (BACHELOR OF BUSINESS ADMINISTRATION)

Completion Requirements:

Program Requirements

To complete the program, a student must meet the course requirements described below. The program requirements comprise a core of 12.5 to 13.0~~5~~ credits common to both streams, and additional requirements which depend on the stream for a total of 15.0 to 15.5 ~~+6.0~~ credits for the Management Strategy stream and 16.0 to 16.5 ~~+7.0~~ credits for the Entrepreneurship stream.

Note : A single course may only be used once to fulfill one of the following program requirements.

Core (12.5 to 13.0~~5~~ credits):

1. (7.5 to 8.0 5 credits, depending on the combination of courses completed):

MGMA01H3 Principles of Marketing

MGTA05H3 Foundations of Business Management or [MGTA01H3 and MGTA02H3]

[MGTA35H3 Management Communications for non Co-op or MGTA36H3 Management Communications for Co-op]

MGAB01H3 Introductory Financial Accounting I

MGAB02H3 Introductory Financial Accounting II

MGAB03H3 Introductory Management Accounting

MGFB10H3 Principles of Finance

MGHB02H3 Managing People and Groups in Organizations

MGHB12H3 Human Resource Management

MGMB01H3 Marketing Management

MGFC10H3 Intermediate Finance

MGHC02H3 Management Skills

MGOC10H3 **Analytics Analysis** for Decision Making

MGOC20H3 Operations Management : **A Mathematical Approach**

and

0.5 credit at the D-level in either Management or Economics for Management Studies courses

2. (1.0 credit):

[MATA32H3 and MATA33H3] strongly recommended, or

[MATA30H3/A31H3 and MATA35H3/A36H3/A37H3]

3. (4.0 credits):

MGEA02H3 Introduction to Microeconomics: A Mathematical Approach

MGEA06H3 Introduction to Macroeconomics: A Mathematical Approach

MGEB02H3 Price Theory: A Mathematical Approach

MGEB06H3 Macroeconomic Theory and Policy: A Mathematical Approach

MGEB11H3 Quantitative Methods in Economics I

MGEB12H3 Quantitative Methods in Economics II

and

1.0 credit at the C-level in Economics for Management Studies courses [excluding MGEC91H3, MGEC92H3, and MGEC93H3]

Management Strategy Stream (2.5 credits):

4. At least 0.5 credit of courses emphasizing strategic management, chosen from:

MGSB22H3 Entrepreneurship

MGSC12H3 Narrative and Management

MGSC14H3 Management Ethics

MGSC20H3 Consulting and Contracting: New Ways of Work

MGSC30H3 The Legal Environment of Business I

MGSD24H3 New Venture Creation and Planning

5. 1.0 credit from:

MGSC01H3 Corporate Strategy

[MGSC03H3 Public Management or MGSC05H3 The Changing World of Business-Government Relations]

6. 0.5 credit from:

MGEB32H3 Economics Aspects of Public Policy

MGEC31H3 Economics of the Public Sector: Taxation

MGEC32H3 Economics of the Public Sector: Expenditures

MGED43H3 Organization Strategies

MGMC30H3 Event and Sponsorship Management

MGSB22H3 Entrepreneurship

MGSC01H3 Corporate Strategy

MGSC03H3 Public Management

MGSC05H3 The Changing World of Business-Government Relations
 MGSC12H3 Narrative and Management
 MGSC14H3 Management Ethics
 MGSC20H3 Consulting and Contracting: New Ways of Work
 MGSC30H3 The Legal Environment of Business I
 MGSD32H3 The Legal Environment of Business II
 MGSD24H3 New Venture Creation and Planning
 MGTC55H3 Planning & Budgeting for Public Institutions
 MGTC56H3 Educational Finance & Economics
 MGAD40H3 Management Control Systems
 (MGSD10H3) Knowledge Management
 MGSD15H3 Managing in the Information Economy
 MGSD30H3 Intellectual Property Law
 PPGC66H3 Public Policy Making

7. (0.5 credit):

MGSD01H3 Senior Seminar in Strategic Management

Entrepreneurship Stream (3.5 credits):

4. (3.5 credits):

MGFC20H3 Personal Financial Management
 MGHC52H3 Business Negotiation
 MGSB22H3 Entrepreneurship
 MGSC20H3 Consulting and Contracting: New Ways of Work
 MGSC30H3 The Legal Environment of Business I
 MGSC35H3 Innovation
 MGSD24H3 New Venture Creation and Planning

Note: In selecting options and electives, students should refer to the guidelines for program breadth and depth found in section 6A.2 (Degree Requirements) of this *Calendar*.

Description of Proposed Changes: 1. Reduced total core program credit count by 0.5 credit
 2. Requirement 1: reduced credit count by 0.5 credit. Updated course titles for MGOC10H3 and MGOC20H3

Rationale: 1. Acknowledges the adjustment in the total credit count that resulted from removing the retired course codes from program requirement 1.
 2. The reduction in 0.5 credit acknowledges the adjustment that resulted from removing retired course codes. The course titles need to be updated for these courses to ensure consistency and accuracy throughout the Calendar.

Impact: None.

Consultation: DCC Approval: September 18, 2019.

Resource Implications: None.

24 Course Modifications:

MGAB01H3: Introductory Financial Accounting I

Exclusions: VPAB13H3, MGT120H5 ; ~~MGT201H~~ ; ~~MGT220H~~ , RSM219H1 ; ~~RSM220H~~

Rationale: The course exclusions have been updated to remove all courses that no longer have a significant content overlap or have been deleted from all three campuses.

Consultation: DCC Approval: September 18th, 2019.

Resources: None.

MGAB02H3: Introductory Financial Accounting II

Exclusions: VPAB13H3 ; ~~MGT120H~~ ; ~~MGT201H~~ , MGT220H5 ; ~~RSM219H~~ , RSM220H1

Rationale: The course exclusions have been updated to remove all courses that no longer have a significant content overlap or have been deleted from all three campuses.

Consultation: DCC Approval: September 18th, 2019.

Resources: None.

MGAD40H3: Management Control Systems

Enrolment Limits: ~~60~~ 40

Rationale: The course enrolment limit has been reduced from 60 to 40 to promote more student engagement and involvement. The course has already been approving a max. 40 student limit, therefore this course change is in-line with current practice.

Consultation: DCC Approval: September 18, 2019.

Resources: None.

MGAD50H3: Advanced Financial Accounting

Enrolment Limits: ~~60~~ 40

Rationale: The course enrolment limit has been reduced from 60 to 40 to promote more student engagement and involvement. The course has already been approving a max. 40 student limit, therefore this course change is in-line with current practice.

Consultation: DCC Approval: September 18, 2019.

Resources: None.

MGAD70H3: Advanced Accounting Case Analysis: A Capstone Course

Corequisites: MGAC50H3 and MGAD20H3 and MGAD65H3

Rationale: The course corequisites have added MGAD20H3 and MGAD65H3 to allow students to have all the integrated knowledge for this course adding more value to their learning experience.

Consultation: DCC Approval: September 18, 2019.

Resources: None.

MGEB01H3: Price Theory

Prerequisites: [MGEA01H3 or MGEA02H3 and MGEA06H3]
or [~~MGEA01H3~~ and [MGEA05H3 or MGEA06H3]]

Rationale: The prerequisites for the course have been revised to provide clarity and better prepare students for MGEB01H3.

Consultation: DCC Approval: May 16, 2019.

Resources: None.

MGEB05H3: Macroeconomic Theory and Policy

Prerequisites: [MGEA01H3 or MGEA02H3 and MGEA06H3]
or [MGEA01H3 and [MGEA05H3 or MGEA06H3]

Rationale: The course prerequisites have been revised to provide more clarity and to better prepare students for MGEB05H3

Consultation: DCC Approval: May 16, 2019.

Resources: None.

MGEB31H3: Public Decision Making

Prerequisites: [MGEA01H3 or MGEA02H3 and MGEA06H3]
or [MGEA01H3 and [MGEA05H3 or MGEA06H3]

Rationale: The course prerequisites have been revised to provide more clarity and to better prepare students for MGEB31H3

Consultation: DCC Approval: May 16, 2019.

Resources: None.

MGEB32H3: Economic Aspects of Public Policy

Prerequisites: [MGEA01H3 or MGEA02H3 and MGEA06H3]
or [MGEA01H3 and [MGEA05H3 or MGEA06H3]

Rationale: The course prerequisites have been revised to provide more clarity and to better prepare students for MGEB32H3

Consultation: DCC Approval: May 16, 2019.

Resources: None.

MGEB60H3: Comparative Economic Systems

Prerequisites: [MGEA02H3 and MGEA06H3] or MGEA02H3] and[MGEA01H3 or and MGEA05H3]

Enrolment Limits: 60

Rationale:

1. The course prerequisites have been revised to provide more clarity and to better prepare students for MGEB60H3.
2. The course enrolment limit has been added to accurately reflect the intended class size.

Consultation: DCC Approval: May 16, 2019.

Resources: None.

MGEC38H3: The Economics of Canadian Public Policy

Exclusions: ~~ECO336Y~~ ECO336H1, ECO337H1

Rationale: The course exclusions have been updated to remove all courses that no longer have a significant content overlap to this course or have been deleted from all three campuses.

Consultation: DCC Approval: September 18, 2019.

Resources: None.

MGEC54H3: Economics of Training and Education

Exclusions: Previous: ECO338H1, ECO412Y5

Rationale: The course exclusions have been updated to remove all courses that no longer have a significant content overlap with this course or have been deleted from all three campuses.

Consultation: DCC Approval: September 18th, 2019.

Resources: None.

MGEC82H3: International Aspects of Development Policy

Exclusions: ECO324H1 , ECO362H5

Rationale: The course exclusions have been updated to add ECO324H1 as there is a significant overlap in content with MGEC82H3.

Consultation: DCC Approval: September 18th, 2019.

Resources: None.

MGEC91H3: Economics and Government

Exclusions: MGEC31H3, MGEC32H3 , ECO336Y5, ECO336H1, ECO337H1

Enrolment Limits: 60

Rationale:

1. The course exclusions have been updated to add ECO336Y5 as there is a significant overlap in content with MGEC91H3.
2. The course enrolment limit has been added to accurately reflect the current enrolments in this course.

Consultation: DCC Approval: September 18, 2019.

Resources: None.

MGEC92H3: Economics of Markets and Pricing

Exclusions: MGEC02H3, MGEC41H3, ECO200Y1, ECO204Y1, ECO206Y1, ECO310H1 , ECO310Y5

Enrolment Limits: 60

Rationale:

1. The course exclusions have been updated to add ECO310Y5 as there is a significant overlap in content with MGEC92H3.
2. The course enrolment limit has been added to accurately reflect the current enrolments in this course.

Consultation: DCC Approval: September 18, 2019.

Resources: None.

MGEC93H3: International Economics

Exclusions: MGEC62H3 , ECO230Y1, ECO364H1, ECO365H1

Enrolment Limits: 60

Rationale:

1. The course exclusions have been updated to add ECO230Y1 as there is a significant overlap in content with MGEC93H3.
2. The course enrolment limit has been added to accurately reflect the current enrolments in this course.

Consultation: DCC Approval: September 18, 2019.

Resources: None.

MGED11H3: Theory and Practice of Regression Analysis

Exclusions: ECO475H1 ; ~~STA302H~~

Rationale: The exclusions for the course has removed STA302H as it is no longer relevant to MGED11H3

Consultation: DCC Approval: September 18, 2019.

Resources: None.

MGFB10H3: Principles of Finance

Exclusions: MGT338H5, RSM332H1 , MGM230H5 , RSM230H1

Rationale: The course exclusions have added MGM230H5 and RSM230H1 since there is a significant content overlap with MGFB10H3

Consultation: DCC Approval: September 18th, 2019.

Resources:None.

MGFC10H3: Intermediate Finance

Exclusions: MGT339H5, RSM333H1 , MGM332H5

Rationale: The course exclusion has been revised to include MGM332H5 since there is a significant content overlap with MGFC10H3

Consultation: DCC Approval: September 18th, 2019.

Resources:None.

MGFD30H3: Risk Management

Exclusions: ~~ECO460H1~~ ; ECO461H1, RSM432H1

Rationale: The course exclusions have been revised to remove ECO460H1 since there is no content overlap with MGFD30H3

Consultation: DCC Approval: September 18th, 2019.

Resources: None.

MGFD60H3: Financial Modeling and Trading Strategies

Exclusions: MGM441H5 ~~MGT435H~~ , RSM434H1

Rationale: The course exclusions have been revised to removed MGT435H and include MGM441H5 to ensure there is a course content overlap with this course

Consultation: DCC Approval: September 18th, 2019.

Resources: None.

MGFD70H3: Advanced Financial Management

Exclusions: MGM431H5 , MGM433H5 , RSM433H1

Rationale: The course exclusions have been revised to include MGT431H5 and MGT433H5 since there is a content overlap with MGFD70H3

Consultation: DCC Approval: September 18th, 2019.

Resources: None.

MGIA01H3: Principles of International Marketing

Prerequisites: ~~MGTA01H3 and MGTA02H3~~ Enrolment in the MIB program

Corequisites: ~~MGTA05H3~~

Rationale: The course prerequisites and corequisites have been revised to provide students with more clarity and enrolment flexibility.

Consultation: DCC Approval: September 18, 2019.

Resources: None.

MGOC10H3: Analysis for Decision-Making

Title: Analytics ~~Analysis~~ for Decision Making ~~Decision-Making~~

Description:

The course develops understanding and practical skills of applying quantitative analysis for making better management decisions. Studied analytics ~~Studies~~ methodologies include linear ~~and integer~~ programming; multi-criteria optimization; network and waiting-line ~~waiting line~~ models; decision analysis. Methodologies are practiced in a broad range of typical business problems drawn from different areas of management , using spreadsheet modelling tools.

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

Consultation: DCC Approval: September 18, 2019.

Resources: None.



2020-21 Curriculum Cycle

Undergraduate Minor Curriculum Modifications for Information Report: Management and Computer and Mathematical Sciences

February 10, 2020

2 Minor Program Modification:

DOUBLE DEGREE: BBA, SPECIALIST PROGRAM IN MANAGEMENT AND FINANCE / HONOURS BSc, SPECIALIST PROGRAM IN STATISTICS, QUANTITATIVE FINANCE STREAM

Description:

Academic Directors:

S. Ahmed E-mail: mgtss@utsc.utoronto.ca (BBA)

S. Damouras Email: sdamouras@utsc.utoronto.ca (BSc)

The Double Degree program combines the Specialist Program in Management and Finance and the Specialist Program in Statistics, Quantitative Finance stream. Students completing the Double Degree program will qualify to graduate with two-degree designations – the Bachelor of Business Administration (BAA) and the Honours Bachelor of Science (BSc), assuming all other degree criteria are met.

Enrolment Requirements

Enrolment in the Double Degree program is limited.

1. Students applying directly from high school are admitted on the basis of academic performance. They must have completed Grade 12 English, Grade 12 Advanced Functions, and Grade 12 Calculus & Vectors. Applicants must also submit a Supplementary Application Form.

Course Guidelines for Students Admitted to the Double Degree Program Directly from High School

Students must complete the following courses in their first year of study: MGTA05H3, MGEA02H3, MGEA06H3, MGAB01H3, MGAB02H3, MGMA01H3 and MGTA35H3.

2. Students already pursuing a BBA program and degree may apply to enter this Double Degree program. The application can be made before the end of the Winter semester and/or before the end of the Summer semester. Application for admission will be considered only for the round during which the student has made the Subject POST request. Students considering switching to the Double Degree program should consult with the program supervisors as soon as possible.

The minimum Cumulative Grade Point Average (CGPA) for Program admission is calculated for each application period, and is based on University of Toronto courses only. Decisions are made when all grades have been received.

Students must have completed at least 4.5 credits (none of which can be designated as CR/NCR), including: MGTA05H3, MGEA02H3, MGEA06H3, MGAB01H3, MGAB02H3, MGTA35H3, MATA22H3, MATA30H3, and MATA36H3. Students who have taken the sequence [MATA32H3 and MATA33H3] instead of [MATA30H3 and MATA36H3] can still apply to the Double Degree program if they are taking or plan to take MATA36H3 at the time of application and could

receive admission conditional on their grade in MATA36H3 being above a threshold to be specified each year. Note that MATA36H3 will be treated as an Extra (EXT) course in this case.

Students may apply until they have completed up to 10.0 credits. Students who have completed more than 10.0 credits will not be admitted to the Double Degree program. For those who apply with more than 4.5 credits, their CGPA at the time of application will be calculated with more weight assigned to the required courses listed under the 4.5 credits.

CGPA Requirement to Remain in the Double Degree (Specialist Programs)

In order to remain in the Double Degree, students must maintain a CGPA of 2.0 or higher after having attempted at least 4.0 credits. Students whose CGPA falls below 2.1 (but not below 2.0) will have the opportunity to move to either the non Co-op BBA Specialist Program in Management and Finance, or the non Co-op BSc Specialist Program in Statistics, Quantitative Finance stream. If they choose to stay in the Double Degree program and their CGPA falls below 2.0, they will be removed from the Double Degree program. Students removed from the program for this reason may request reinstatement if they complete at least 2.0 credits (none of which can be designated as CR/NCR) in the following session and raise their CGPA to at least 2.0. This opportunity will be provided only once.

Completion Requirements:

Program Requirements

The Double Degree program requires the completion of 25.0 credits. 22.0 credits are core program requirements as listed below, and 3.0 further credits are required to complete degree requirements.

1. Communications requirement (0.5 credit)

MGTA35H3 Management Communications

2. Management requirements (5.5 credits)

MGAB01H3 Introductory Financial Accounting I

MGAB02H3 Introductory Financial Accounting II

MGAB03H3 Introductory Management Accounting

MGHB02H3 Managing People and Groups in Organizations

MGHB12H3 Human Resource Management

MGHC02H3 Management Skills

MGMA01H3 Principles of Marketing

MGMB01H3 Marketing Management

MGOC10H3 **Analysis Analytics** for Decision-Making

MGOC20H3 Operations Management: ~~A Mathematical Approach~~

MGTA05H3 Foundations of Business Management or [(MGTA01H3) and (MGTA02H3)]

3. Science requirements (9.0 credits)

CSCA08H3 Introduction to Computer Science I

CSCA48H3 Introduction to Computer Science II

CSCC37H3 Introduction to Numerical Algorithms for Computational Mathematics

MATA22H3 Linear Algebra I for Mathematical Sciences

MATA30H3 Calculus I for Physical Sciences

MATA36H3 Calculus II for Physical Sciences

MATB24H3 Linear Algebra II

MATB41H3 Techniques of the Calculus of Several Variables I

MATB42H3 Techniques of the Calculus of Several Variables II

MATB44H3 Differential Equations I

MATB61H3 Linear Programming and Optimization

MATC46H3 Differential Equations II

STAB52H3 An Introduction to Probability

STAB57H3 An Introduction to Statistics

STAC62H3 Stochastic Processes

STAC67H3 Regression Analysis

STAD37H3 Multivariate Analysis

STAD57H3 Time Series Analysis

4. Economics requirements (2.0 credits)

MGEA02H3 Introduction to Microeconomics: A Mathematical Approach

MGEA06H3 Introduction to Macroeconomics: A Mathematical Approach

MGEB02H3 Price Theory: A Mathematical Approach

MGEB06H3 Macroeconomic Theory and Policy: A Mathematical Approach

5. Finance requirements (3.0 credits)

MGFB10H3 Principles of Finance

MGFC10H3 Intermediate Finance

[MGFC30H3 Introduction to Derivatives Markets or STAB41H3 Financial Derivatives]

MGFD10H3 Investments

STAC70H3 Statistics and Finance I

STAD70H3 Statistics and Finance II

6. At least four courses (2.0 credits) from:

MGEC71H3 Money and Banking

MGFC20H3 Personal Financial Management

MGFC50H3 International Financial Management

MGFC60H3 Financial Statement Analysis & Security Valuation

MGFD15H3 Special Topics in Finance: Private Equity

MGFD30H3 Risk Management

MGFD40H3 Investor Psychology and Behavioural Finance

MGFD50H3 Mergers and Acquisitions: Theory and Practice

MGFD60H3 Financial Modeling and Trading Strategies

MGFD70H3 Advanced Financial Management

NOTE: In selecting options and electives, students should refer to the guidelines for program breadth and depth found in section 6A.2 (Degree Requirements) of the *Calendar*.

Description of Proposed Changes:

Requirement 2: MGOC10H3 and MGOC20H3 have had course title changes

Rationale:

These course title changes are made to ensure consistency and accuracy throughout the Calendar

Impact: None

Consultation:

- Consultation occurred within the Operations area on September 10, 2019
- DCC Approval: September 18th, 2019

Resource Implications: None.

DOUBLE DEGREE: BBA, SPECIALIST (CO-OPERATIVE) PROGRAM IN MANAGEMENT AND FINANCE / HONOURS BSc, SPECIALIST (CO-OPERATIVE) PROGRAM IN STATISTICS, QUANTITATIVE FINANCE STREAM

Description:

Academic Directors:

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The Double Degree program combines the Specialist (Co-operative) Program in Management and Finance and the Specialist (Co-operative) Program in Statistics, Quantitative Finance stream. Students completing the Double Degree program will qualify to graduate with two degree designations – the Bachelor of Business Administration (BAA) and the Honours Bachelor of Science (BSc), assuming all other degree criteria are met.

The Double Degree program is a Work Integrated Learning (WIL) program that combines academic studies with paid work terms in public and private enterprises. Depending on their needs and abilities, students work in areas such as finance, insurance, data analytics, accounting, consulting, business intelligence, marketing, policy, strategic planning and entrepreneurship. The Double Degree program will equip students with a comprehensive understanding of financial markets, and develop the business and quantitative skills required to function in them.

The Double Degree program operates on a trimester schedule, featuring three terms (Fall, Winter and Summer) in each Calendar year. Students work or study in all three terms for five years, or until graduation requirements are met. It requires 11 four-month terms of study and 3 four-month work terms.

Enrolment Requirements

Enrolment in the Double Degree program is limited.

1. Students applying directly from high school are admitted on the basis of academic performance. They must have completed Grade 12 English, Grade 12 Advanced Functions, and Grade 12 Calculus & Vectors. Applicants must also submit a Supplementary Application Form.

Course Guidelines for Students Admitted to B.B.A. Co-op Programs Directly from High school students must complete the following courses in their first year of study: MGTA05H3, MGEA02H3, MGEA06H3, MATA22H3, MATA30H3, MATA36H3, MGAB01H3, MGAB02H3, MGMA01H3 and MGTA36H3.

2. Students already pursuing a BBA program and degree may apply to enter this Double Degree program. The application can be made before the end of the Winter semester and/or before the end of the Summer semester. Application for admission will be considered only for the round during which the student has made the Subject POST request. Students considering switching to the Double Degree program should consult with the program supervisors as soon as possible.

The minimum Cumulative Grade Point Average (CGPA) for Program admission is calculated for each application period, and is based on University of Toronto courses only. Decisions are made when all grades have been received.

Students must have completed at least 4.5 credits (none of which can be designated as CR/NCR), including: MGTA05H3, MGEA02H3, MGEA06H3, MGAB01H3, MGAB02H3, MGTA35H3 or MGTA36H3, MATA22H3, MATA30H3, and MATA36H3. Students who have taken the sequence [MATA32H3 and MATA33H3] instead of [MATA30H3 and MATA36H3] can still apply to the Double Degree Program if they are taking or plan to take MATA36H3 at the time of application and could receive admission conditional on their grade in MATA36H3 being above a threshold to be specified each year. Note that MATA36H3 will be treated as an Extra (EXT) course in this case.

Students may apply until they have completed up to 10.0 credits. Students who have completed more than 10.0 credits will not be able to apply to the Double Degree Program. For those who apply with more than 4.5 credits, their CGPA at the time of application will be calculated with more weight assigned to the required courses listed under the 4.5 credits.

Applicants must submit a resume and covering letter to the Management Co-op Office during the limited Subject POST request period outlined on the Office of the Registrar's website. For information on what to include in your resume and covering letter, visit the Management Co-op website. An interview may also be required.

CGPA Requirement to Remain in the Double Degree Co-op Program

Students must maintain a CGPA of 2.5 or higher. Students whose CGPA falls below 2.5 will be placed on probation. Students on probation will be reinstated to the Double Degree program if they complete at least 2.0 credits (none of which can be designated as CR/NCR) in the following session and raise their CGPA to at least 2.5. Students who cannot get out of probation in two consecutive sessions, or whose CGPA falls below 2.3, will be removed from the Double Degree Co-op Program. Students removed from the Double Degree (Specialist Co-op Programs) can pursue the Double Degree (Specialist Programs), or one of its non Co-op constituent programs (i.e., the BBA Specialist Program in Management and Finance, or the BSc Specialist Program in Statistics, Quantitative Finance stream).

Completion Requirements:

Program Requirements

The Double Degree program requires the completion of 25.0 credits. 22.0 credits are core program requirements as listed below, and 3.0 further credits are required to complete degree requirements.

1. Communications requirement (0.5 credit)

MGTA36H3 Management Communications for Co-op

2. Management requirements (5.5 credits)

MGAB01H3 Introductory Financial Accounting I

MGAB02H3 Introductory Financial Accounting II

MGAB03H3 Introductory Management Accounting

[MGHB02H3 Managing People and Groups in Organizations

MGHB12H3 Human Resource Management

MGHC02H3 Management Skills

MGMA01H3 Principles of Marketing

MGMB01H3 Marketing Management

MGOC10H3 **Analysis** **Analytics** for Decision-Making

MGOC20H3 Operations Management: ~~A Mathematical Approach~~

MGTA05H3 Foundations of Business Management or [(MGTA01H3) and (MGTA02H3)]

3. Science requirements (9.0 credits)

CSCA08H3 Introduction to Computer Science I

CSCA48H3 Introduction to Computer Science II

CSCC37H3 Introduction to Numerical Algorithms for Computational Mathematics

MATA22H3 Linear Algebra I for Mathematical Sciences

MATA30H3 Calculus I for Physical Sciences

MATA36H3 Calculus II for Physical Sciences

MATB24H3 Linear Algebra II

MATB41H3 Techniques of the Calculus of Several Variables I

MATB42H3 Techniques of the Calculus of Several Variables II

MATB44H3 Differential Equations I

MATB61H3 Linear Programming and Optimization

MATC46H3 Differential Equations II

STAB52H3 An Introduction to Probability

STAB57H3 An Introduction to Statistics

STAC62H3 Stochastic Processes

STAC67H3 Regression Analysis

STAD37H3 Multivariate Analysis

STAD57H3 Time Series Analysis

4. Economics requirements (2.0 credits)

MGEA02H3 Introduction to Microeconomics: A Mathematical Approach

MGEA06H3 Introduction to Macroeconomics: A Mathematical Approach

MGEB02H3 Price Theory: A Mathematical Approach

MGEB06H3 Macroeconomic Theory and Policy: A Mathematical Approach

5. Finance requirements (3.0 credits)

MGFB10H3 Principles of Finance

MGFC10H3 Intermediate Finance

[MGFC30H3 Introduction to Derivatives Markets or STAB41H3 Financial Derivatives]

MGFD10H3 Investments

STAC70H3 Statistics and Finance I

STAD70H3 Statistics and Finance II

6. At least four courses (2.0 credits) from:

MGEC71H3 Money and Banking

MGFC20H3 Personal Financial Management

MGFC50H3 International Financial Management
MGFC60H3 Financial Statement Analysis & Security Valuation
MGFD15H3 Special Topics in Finance: Private Equity
MGFD30H3 Risk Management
MGFD40H3 Investor Psychology and Behavioural Finance
MGFD50H3 Mergers and Acquisitions: Theory and Practice
MGFD60H3 Financial Modeling and Trading Strategies
MGFD70H3 Advanced Financial Management

NOTE: In selecting options and electives, students should refer to the guidelines for program breadth and depth found in section 6A.2 (Degree Requirements) of the Calendar.

Co-op Work Term Requirements

All Co-op students must take MGTA36H3 prior to the commencement of their first work term. Students are advised to consult regularly with the Academic Director, or the Program Advisor if they have questions regarding course selection and scheduling. It is, however, the students' individual responsibility to ensure that they have completed the correct courses to make them eligible for each work term and that they have correctly completed program and degree requirements for graduation.

Students who apply after the first year and are successful in receiving a June offer to any Management Co-op program will be expected to complete a Co-op ~~Work Term Preparation Course (WTPC)~~ Advancing Your Career Exploration (AYCE) course beginning in the third week of June, and continuing throughout the summer.

To compete for a work term a student must maintain a 2.5 CGPA, and must have completed:

1. For the first work term:

- a) 7.0 credits, including: [MGTA05H3 or MGTA01H3 and MGTA02H3], MGEA02H3, MGEA06H3, MGAB01H3, MGAB02H3, MGMA01H3, MGTA36H3, MATA32H3 and MATA33H3. [MATA32H3 and MATA33H3] are strongly recommended, however [MATA30H3/A31H3 and MATA35H3/A36H3/A37H3] may also be used to satisfy the calculus requirement.
- b) The Management Co-op ~~Work Term Preparation Course (WTPC)~~ Advancing Your Career Exploration (AYCE): [COPB11H3 and COPB12H3] or COPB10Y3/(COPD07Y3) or ~~[COPB11H3 and COPB12H3] or [COPB13H3 and COPD14H3]~~.

2. For the second work term: 9.0 credits

3. For the third work term: 11.0 credits.

For information on fees and status in Co-op programs, and certification of completion of Co-op programs, see section 6B.5 or the Management Co-op section in the UTSC *Calendar*.

Description of Proposed Changes:

1. Requirement 2: MGOC10H3 and MGOC20H3 have had course title changes
2. Co-op Work Term Requirements (b): changed the name of the Co-op Work Term Preparation Course (WTPC) to Advancing Your Career Exploration (AYCE) and updated the list of courses.

Rationale:

1. These course title changes are made to ensure consistency and accuracy throughout the Calendar.
2. Updating the course names to Advancing Your Career Exploration (AYCE) in order to mirror the previously approved changes. Changed course order to reflect the correct order in which these courses are offered.

Impact: None

Consultation:

- Consultation occurred within the Operations area on September 10, 2019
- DCC Approval: September 18th, 2019

Resource Implications: None.