



FOR INFORMATION

PUBLIC

OPEN SESSION

TO: UTSC Academic Affairs Committee

SPONSOR: Prof. William A. Gough, Vice-Principal Academic and Dean
CONTACT INFO: 416-208-7027, vpdean.utsc@utoronto.ca

PRESENTER: Prof. Katherine Larson: Vice-Dean Teaching, Learning & Undergraduate Programs
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DATE: April 20, 2021 for April 27, 2021

AGENDA ITEM: 12

ITEM IDENTIFICATION:

Minor Modifications: Undergraduate Curriculum Changes – Humanities, Management, Sciences, and Social Sciences, UTSC

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] (April 27, 2021)**

PREVIOUS ACTION TAKEN:

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

HIGHLIGHTS:

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

Undergraduate Minor Modifications – for Information

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

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

- The Department of Arts, Culture, and Media (Report: Minor Modifications for Information)
 - 3 program changes
 - 52 course changes
 - 4 course deletions
- The Department of Computer and Mathematical Sciences (Report: Minor Modifications for Information)
 - 1 program change
 - 13 course changes
- The Department of Health and Society (Report: Minor Modifications for Information)
 - 3 program changes
 - 2 course changes
- The Department of Management (Report: Minor Modifications for Information)
 - 7 program changes
 - 4 course changes
 - 8 course deletions
- The Department of Physical and Environmental Sciences (Report: Minor Modifications for Information)
 - 7 program changes
 - 10 course changes
 - 1 course deletion
- The Department of Sociology (Report: Minor Modifications for Information)
 - 5 program changes
 - 8 course changes
 - 2 course deletions

FINANCIAL IMPLICATIONS:

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

RECOMMENDATION:

This item is presented for information only.

DOCUMENTATION PROVIDED:

1. 2021-22 Curriculum Cycle: Undergraduate Minor Curriculum Modifications for Information Report: Minor Modifications for Information dated March 29, 2021.



2021-22 Curriculum Cycle

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

March 29, 2021

Arts, Culture & Media (UTSC), Department of

3 Minor Program Modifications:

MAJOR (JOINT) PROGRAM IN NEW MEDIA STUDIES (ARTS)

Description:

Program Manager ~~Undergraduate Advisor~~:Email: manaal.hussain@utoronto.ca ~~nme-undergrad-advisor@utsc.utoronto.ca~~

Enrolment Requirements:

Enrolment Requirements

Enrolment in the program is limited and admission is by competitive application. Please refer to the UTSC Registrar's Office for enrolment timelines, due by May 1 each year. Students must have completed MDSA01H3 and MDSA02H3, and have a minimum cumulative GPA of 2.0 to apply. Students must request admission to the program through ACORN, and submit to the program director a Supplementary Application Form to the Department that includes an unofficial copy of their academic record, a personal statement of interest, and links(if any)to work published online. Students are strongly advised to meet with the Program Manager ~~program director~~ during their first year, and before preparing an application for admission. Students may be required to attend an interview with the Program Manager ~~program director~~ before an admission decision is made. All applicants will be notified through ACORN in early June.

Description of Proposed Changes:

Changed the email address to Program Manager
Removed the enrollment date as May 1st.

Rationale:

The enrollment date is determined by the Registrar's Office each year, and May 1st is misleading. I believe the date was May 1st when the program was initially proposed. We would rather have students follow the UTSC Limited program timelines.

Impact:

Removes information that may be confusing to students.

Consultation:

Approved by the Chair of the Department of Arts, Culture, and Media: March 23, 2021.

Resource Implications:

None.

MAJOR PROGRAM IN ARTS AND MEDIA MANAGEMENT (ARTS)

Description:

The Major program offers students an opportunity to acquire a strong foundation in, and understanding of, the theories and practices associated with the management of creative arts and media enterprises. The program exposes students to the scholarship and skills of this multidisciplinary field through a broad range of courses that bring together creative endeavours and business. While the program can be paired with any other Major at UTSC, it is especially intended to be combined with other programs in the Department of Arts, Culture and Media, including: Art History and Visual Culture; Culture; Studio Art; Art, Music and Culture; Culture; Theatre and Performance; Performance Studies; Media Studies; Studies; New Media Studies; Studies; or Media, Journalism and Digital Cultures.

This Major is for students seeking opportunities and understanding about the always-evolving arts and media environment, where traditional leadership roles are both crucial and constantly challenged, and where community engagement, creative practice, entrepreneurship and leadership are not limited to the private sector but also reach deeply into the non-profit and public sectors.

Completion Requirements:

Program Requirements

This program requires students to complete a total of 8.0 credits as follows:

1. 2.0 credits:

VPAA10H3 Introduction to Arts and Media Management

VPAA12H3 ~~Developing Audiences, Resources, Audience and Community Resource Development~~

ACMB01H3 Critical Reading, Thinking and Writing for ACM Programs

ACMB10H3 Equity and Diversity in the Arts

2. 3.0 credits:

VPAB13H3 Financial Management for Arts Managers

VPAB16H3 Managing and Leading in Cultural Organizations

VPAC13H3 Planning and Project Management in the Arts and Cultural Sector

VPAC16H3 ~~Contracts Legal and Copyrights Human Resource Issues in Arts Management~~

VPAC17H3 Marketing in the Arts and Media

VPAC18H3 Raising Funds in Arts and Media

3. 0.5 credit:

VPAD12H3 Senior Seminar in Arts and Media Management

4. 2.5 additional credits in Arts Management (VPA courses).

Students may substitute up to 1.0 credit in any courses from the Department of Arts, Culture and Media at the B-, C-, or D-level, for which they hold the pre-requisites; students are encouraged to select Media Studies or Journalism courses.

Description of Proposed Changes:

In Components 1 and 2 of the Program Requirements, course titles for VPAA12H3 and VPAC16H4 have been changed.

Rationale:

Course change proposals were submitted for VPAA12H3 and VPAC16H4. The Program has been updated to reflect these changes.

Impact:

None.

Consultation:

DCC Approval October 5, 2020

Resource Implications:

None.

MAJOR PROGRAM IN THEATRE AND PERFORMANCE (ARTS)

Completion Requirements:

Program Requirements

Students must complete 8.0 credits, of which 2.0 credits must be at the C- or D-level.

1. Foundational Courses (1.0 credit):

THRA10H3 Introduction to Theatre

THRA11H3 Introduction to Performance

2. ACMB01H3 Critical Reading, Thinking and Writing for ACM Programs (0.5 credit)

3. Areas of Focus Courses (4.0 credits):

1.0 credit from each of the four Areas of Focus listed below:

- Theatre & Society (1.0 credit)

- Theatre in Communities (1.0 credit)

- Performance (1.0 credit)

- Production (1.0 credit)

*For the specific courses that fall into each of these areas see the [Areas of Focus](#) table.

4. THRD60H3 Advanced Seminar in Theatre and Performance (0.5 credit)

5. 2.0 additional credits in Theatre and Performance (THR) courses:

In fulfilling this component of the course requirements, students may substitute 1.0 credit from another discipline with the Program Director's written permission. The following courses are particularly recommended:

ENGB14H3 Twentieth-Century Drama

ENGB32H3 Shakespeare in Context I

ENGB33H3 Shakespeare in Context II

ENGC04H3 Creative Writing: Screenwriting

ENGC07H3 Canadian Drama

ENGC26H3 Drama: Tragedy

ENGC27H3 Drama: Comedy

ENGC89H3 Creative Writing and Performance

GASB15H3 The Arts of South Asia

HLTB50H3 Introduction to Health Humanities

HLTD51H3 Aging and the Arts

MDSB63H3 Sound and Visual Media

MDSC65H3 Games and Play

~~VPAB15H3 Arts Education and Outreach~~

MUZB01H3/(VPMB01H3) Introduction to Community Music

MUZB02H3/(VPMB02H3) Music Facilitation and Learning

MUZC02H3/(VPMC02H3) Music, Health and Wellness

VPSB77H3 Performance Art

VPSC71H3 Performing with Cameras

Description of Proposed Changes:

In component 5 of the Program Requirements:

1. VPAB15H3 is being removed as an optional course.

2. Course codes for optional VPM courses have been changed to MUZ.

Rationale:

1. VPAB15H3 has been retired.

2. All VPM courses are being re-coded as MUZ courses.

Impact:

None.

Consultation:

DCC Approval: October 5, 2020

Resource Implications:

None.

52 Course Modifications:

MDSC85H3: Movies, Music and Meaning

Description:

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

Same as [MUZC20H3/\(VPMC85H3\)](#)

Prerequisites:

ACMB01H3 and [[2.0 credits at the B-level in MDS courses] or [2.0 credits at the B-level in [MUZ/\(VPM\)](#) courses]]

Exclusions:

[MUZC20H3/\(VPMC85H3\)](#)

Rationale:

The course description and exclusions have been revised to change the VPM course code to MUZ

Consultation:

DCC Approval: April 14, 2020

Resources:

None.

MUZA73H3: Concert Band Ia

New Course Code:

MUZA60H3

Description:

The practical study of instrumental ensemble performance. ~~Audition/interview required. Students may participate in more than one ensemble concurrently with a limit of 3.0 credits in the Concert Band setting total.~~ Students are normally expected to complete both Fall and Winter sessions ~~(a and b)~~ in the same ensemble. ~~Placement interview required. Concert Band attempts to accommodate everyone but is not a course to learn an instrument for the first time.~~

Exclusions:

~~(VPMA73H3 VPMA92H3)~~

Rationale:

1. The course designator has changed from VPM to MUZ to provide students with more clarity and accuracy of the discipline. This revision impacts the course code and exclusion.
2. The course description has been revised to better reflect the content of this course.

Consultation:

DCC Approval: May 8, 2020

RO Approval: October 13, 2020

Resources:

None.

MUZA74H3: Concert Band Ib

New Course Code:

MUZA61H3

Description:

~~A continuation of VPMA73H3.~~ The practical study of instrumental ensemble performance. ~~Audition/interview required.~~ ~~Students may participate in more than one ensemble concurrently with a limit of 3.0 credits~~ in the Concert Band setting ~~total~~. Students are normally expected to complete both Fall and Winter sessions (~~a and b~~) in the same ensemble. Placement interview required. Concert Band attempts to accommodate everyone but is not a course to learn an instrument for the first time.

Prerequisites:

MUZA60H3/(VPMA73H3)

Exclusions:

(VPMA74H3 ~~VPMA92H3~~)

Rationale:

1. The course designator has changed from VPM to MUZ to provide students with more clarity and accuracy of the discipline. This revision impacts the course code and exclusion.
2. The course description has been revised to better reflect the content of this course.

Consultation:

DCC Approval: May 8, 2020

RO Approval: October 13, 2020

Resources:

None.

MUZA70H3: Concert Choir Ia

New Course Code:

MUZA62H3

Description:

The practical study of vocal ensemble performance. ~~Audition/Interview required.~~ ~~Students may participate in more than one ensemble concurrently with a limit of 3.0 credits~~ in the Concert Choir setting ~~total~~. Students are normally expected to complete both Fall and Winter sessions (~~a and b~~) in the same ensemble. Placement Interview required. Concert Choir attempts to accommodate everyone.

Exclusions:**Previous:**

New: (VPMA70H3)

Rationale:

1. The course designator has changed from VPM to MUZ to provide students with more clarity and accuracy of the discipline. This revision impacts the course code and exclusion.
2. The course description has been revised to better reflect the content of this course.

Consultation:

DCC Approval: May 8, 2020

RO Approval: November 2, 2020

Resources:

None.

MUZA71H3: Concert Choir Ib

New Course Code:

MUZA63H3

Description:

~~A continuation of VPMA70H3~~ The practical study of vocal ensemble performance. ~~Audition/Interview required. Students may participate in more than one ensemble concurrently with a limit of 3.0 credits in the Concert Choir setting total.~~ Students are normally expected to complete both Fall and Winter sessions (~~a and b~~) in the same ensemble. ~~Place interview required. Concert Choir attempts to accommodate everyone.~~

Prerequisites:

MUZA62H3/(VPMA70H3)

Exclusions:**Previous:**

New: (VPMA71H3)

Credit/No Credit Option:

Previous: Yes

New: No

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. The course description has been revised to better reflect the entrance requirements to the course.

Consultation:

DCC Approval: May 8, 2020

RO Approval: November 2, 2020

Resources:

None.

MUZA66H3: String Orchestra Ia

New Course Code:

MUZA64H3

Description:

The practical study of instrumental ensemble performance in the String Orchestra setting. ~~Audition/interview required.~~ Students are normally expected to complete both Fall and Winter sessions (~~a and b~~) in the same ensemble. ~~Placement interview required. String Orchestra attempts to accommodate everyone, but is not a course to learn an instrument for the first time.~~

Exclusions:

Previous: VPMA73H3-LEC02

New: (VPMA66H3)

Note:

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

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. The course description has been revised to better reflect the entrance requirements to the course.

Consultation:

DCC Approval: May 8, 2020
RO Approval: November 2, 2020

Resources:

None.

MUZA67H3: String Orchestra 1b

New Course Code:

MUZA65H3

Description:

The practical study of instrumental ensemble performance in the String Orchestra setting. ~~Audition/interview required.~~ Students are normally expected to complete both Fall and Winter sessions ~~(a and b)~~ in the same ensemble. ~~Placement interview required.~~ String Orchestra attempts to accommodate everyone, but is not a course to learn an instrument for the first time.

Prerequisites:

MUZA64H3/(VPMA66H3)

Exclusions:

Previous: VPMA74H3-LEC02

New: (VPMA67H3)

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. The course description has been revised to better reflect the entrance requirements to the course.

Consultation:

DCC Approval: May 8, 2020
RO Approval: November 2, 2020

Resources:

None.

MUZA68H3: Small Ensemble Ia

New Course Code:

MUZA66H3

Title:

Small Ensembles ~~Ensemble~~ Ia

Abbreviated Title:

Small Ensembles ~~Ensemble~~ Ia

Description:

The practical study of small ensemble performance, including public presentations and group recitals. ~~Audition/interview required. Students may participate in more than one ensemble concurrently with a limit of 3.0 credits in total.~~ Students are normally expected to complete both Fall and Winter sessions ~~(a and b)~~ in the same ensemble. ~~Placement interview required.~~ Small Ensembles attempts to accommodate everyone, but is not a course to learn an instrument for the first time.

Exclusions:

Previous:

New: (VPMA68H3)

Note:

1. Priority will be given to students enrolled in the Major and Minor programs in Music and Culture. Additional students will be admitted as space permits. 2. Students interested in popular, rock, jazz, or other contemporary styles should register for LEC 01. Students interested in classical, folk, "world, " or other acoustic-based styles should register for LEC 02.

~~permits-~~

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.

2. The course description has been revised to better reflect the entrance requirements to the course and to provide students with important information.

Consultation:

DCC Approval: May 8, 2020

RO Approval: November 2, 2020

Resources:

None.

MUZA69H3: Small Ensemble Ib

New Course Code:

MUZA67H3

Title:

Small Ensembles Ensemble Ib

Abbreviated Title:

Small Ensembles Ensemble Ib

Description:

The practical study of small ensemble performance, including public presentations and group recitals. Students are normally expected to complete both Fall and Winter sessions (~~a and b~~) in the same ensemble. Placement ~~Audition~~ interview required. Small Ensembles attempts to accommodate everyone, but is not a course to learn an instrument for the first time.

Prerequisites:

MUZA66H3/(VPMA68H3)

Exclusions:

Previous:

New: (VPMA69H3)

Note:

1. Priority will be given to students enrolled in the Major and Minor programs in Music and Culture. Additional students will be admitted as space permits. 2. Students interested in popular, rock, jazz, or other contemporary styles should register for LEC 01. Students interested in classical, folk, "world, " or other acoustic-based styles should register for LEC 02.

~~permits-~~

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.

2. The course description has been revised to better reflect the entrance requirements to the course and to provide students with important information.

Consultation:

DCC Approval: May 8, 2020

RO Approval: November 2, 2020

Resources:

None.

MUZA95H3: Elementary Musicianship I

New Course Code:

MUZA80H3

Title:

Foundations in ~~Elementary~~ Musicianship I

Abbreviated Title:

Foundations in ~~Elementary~~ Musicianship I

Description:

A practical introduction to musicianship ~~and music rudiments~~ through ~~music-making~~ ~~the development of basic vocal or instrumental techniques~~ and ~~creation~~, with an emphasis on aural skills, ~~rhythmic fluency, notation, and basic vocal and instrumental techniques~~. This course is open to students with no musical training and background.

Exclusions:**Previous:**

New: (VPMA95H3)

Enrolment Limits:**Previous:**

New: 20

Note:**Previous:**

New: Priority will be given to first and second-year students in Major and Minor Music and Culture programs. Additional students will be admitted as space permits.

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. The course description has been revised to better reflect the course content.
3. Enrolment limit has been added to ensure consistent student enrolment
4. Non-curricular note has been updated to provide students with important priority enrolment information.

Consultation:

DCC Approval: April 14, 2020

RO Approval; November 2, 2020

Resources:

None.

MUZA93H3: Listening to Music

New Course Code:

MUZA99H3

Description:

An introduction to ~~Western~~ music through active listening and the consideration of practical, cultural, historical and social contexts that shape our aural appreciation of music. No previous musical experience is necessary.

Exclusions:**Previous:**

New: (VPMA93H3)

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. The course description has been revised to better reflect the course content.

Consultation:

DCC Approval: April 14, 2020

RO Approval: November 2, 2020

Resources:

None.

MUZH01H3: Introduction to Community Music**Prerequisites:**

MUZA80H3/(VPMA95H3)

Exclusions:**Previous:**

New: (VPMB01H3)

Rationale:

The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.

Consultation:

DCC Approval: April 14, 2020

RO Approval: April 13, 2020

Resources:

None.

MUZH02H3: Music Facilitation and Learning**Prerequisites:****Previous:** VPMB01H3**New:** MUZA80H3 / (VPMA95H3)**Exclusions:****Previous:****New:** (VPMB02H3)**Recommended Preparation:****Previous:** Prior musical experience is recommended**New:****Learning Outcomes:**

Upon successful completion of this course, students will be able to:- identify and describe differences in approach and method between teaching and **facilitation**. - ~~facilitation~~- effectively lead a group of people through basic musical engagements using repertoire(singing, strumming), both with and without notational **aids** - ~~aids~~- effectively lead a group of people through group drumming and improvisational **experiences** - ~~experiences~~- effectively lead a group of people through songwriting and beat making **experiences** - ~~experiences~~- plan a sequential and developmental program of experiences designed to scaffold involvement in relation to a project goal (e.g., a community opera that responds to a topical social issue)

Methods of Assessment:

1. Written assignments (4): These are intended to have students respond to readings and articulate salient issues in **facilitation** 2 ~~facilitation~~ 2. Music leading (6): These in-class activities are intended to give students hands-on experience in music facilitation. Each activity will involve the submission of a written “plan for engagement” that articulates the sequence of activities and possible strategies for attaining a stipulated goal. 3. Community observation reports (3): These are intended to have students witness and describe three diverse styles of music facilitation (e.g., samba, fiddling, gamelan, etc.), taking note of the techniques, methods, and approaches used by the music **leader**. 4 ~~leader~~ 4. Curriculum & Instruction Project: This culminating project is intended for students to demonstrate their grasp of the course content. Students will be asked to design a 12-week music engagement in a hypothetical (but realistic) setting (e.g., community centre, seniors’ centre).

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. The course prerequisites have been revised to ensure students can move through the program efficiently.
3. Recommended preparation can be removed as necessary content will be covered in the prerequisite.
4. The learning outcomes and methods of assessment have not been changed

Consultation:

DCC Approval: May 8, 2020
RO Approval: November 2, 2020

Resources:

None.

MUZH82H3: Music in the Contemporary World**New Course Code:**

MUZH20H3

Exclusions:**Previous:**

New: (VPMB82H3)

Rationale:

The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.

Consultation:

DCC Approval: April 14, 2020
RO Approval: November 2, 2020

Resources:

None.

MUZH91H3: Music and Technology**New Course Code:**

MUZH40H3

Exclusions:**Previous:**

New: (VPMB91H3)

Rationale:

The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.

Consultation:

DCC Approval: April 14, 2020
RO Approval: November 2, 2020

Resources:

None.

MUZH73H3: Concert Band IIa**New Course Code:**

MUZH60H3

Description:

~~A continuation of VPMA74H3.~~ The practical study of instrumental ensemble performance. ~~Audition/interview required.~~ ~~Students may participate in more than one ensemble concurrently with a limit of 3.0 credits in the Concert Band setting total.~~ Students are normally expected to complete both Fall and Winter sessions (~~a and b~~) in the same ensemble. Placement interview required. Concert Band attempts to accommodate everyone but is not a course to learn an instrument for the first time.

Prerequisites:

MUZA61H3/~~VPMA74H3~~ or (VPMA74H3 ~~VPMA92H3~~)

Exclusions:

(VPMB73H3 ~~VPMB92H3~~)

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. The course description has been updated to better reflect the content and topics covered in this course.

Consultation:

DCC Approval: May 8, 2020

RO Approval: November 2, 2020

Resources:

None.

MUZB74H3: Concert Band IIb

New Course Code:

MUZB61H3

Description:

~~A continuation of VPMB73H3.~~ The practical study of instrumental ensemble performance. ~~Audition/interview required.~~ ~~Students may participate in more than one ensemble concurrently with a limit of 3.0 credits in the Concert Band setting total.~~ Students are normally expected to complete both Fall and Winter sessions (~~a and b~~) in the same ensemble. Placement interview required. Concert Band attempts to accommodate everyone but is not a course to learn an instrument for the first time.

Prerequisites:

MUZB60H3/(VPMB73H3)

Exclusions:

(VPMB74H3 ~~VPMB92H3~~)

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. The course description has been updated to better reflect the content and topics covered in this course.

Consultation:

DCC Approval: May 8, 2020

RO Approval: November 2, 2020

Resources:

None.

MUZB70H3: Concert Choir IIa

New Course Code:

MUZB62H3

Description:

~~A continuation of VPMA71H3.~~ The practical study of vocal ensemble performance. ~~Audition/Interview required.~~ ~~Students may participate in more than one ensemble concurrently with a limit of 3.0 credits in the Concert Choir setting total.~~ Students are normally expected to complete both Fall and Winter sessions (~~a and b~~) in the same ensemble. Placement Interview required. Concert Choir attempts to accommodate everyone.

Prerequisites:

MUZA63H3/(VPMA71H3)

Exclusions:

Previous:

New: (VPMB70H3)

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. The course description has been updated to better reflect the content and topics covered in this course.

Consultation:

DCC Approval: May 8, 2020

RO Approval: November 2, 2020

Resources:

None.

MUZZ71H3: Concert Choir IIb

New Course Code:

MUZZ63H3

Description:

~~A continuation of VPMB70H3.~~ The practical study of vocal ensemble performance. ~~Audition/Interview required.~~ ~~Students may participate in more than one ensemble concurrently with a limit of 3.0 credits in the Concert Choir setting total.~~ Students are normally expected to complete both Fall and Winter sessions (~~a and b~~) in the same ensemble. Placement Interview required. Concert Choir attempts to accommodate everyone.

Prerequisites:

MUZZ62H3/(VPMB70H3)

Exclusions:

Previous:

New: (VPMB71H3)

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. The course description has been updated to better reflect the content and topics covered in this course.

Consultation:

DCC Approval: May 8, 2020

RO Approval: November 2, 2020

Resources:

None.

MUZZ66H3: String Orchestra IIa

New Course Code:

MUZZ64H3

Description:

The practical study of instrumental ensemble performance in the String Orchestra setting- **Audition/interview required.** Students are normally expected to complete both Fall and Winter sessions (~~a and b~~) in the same ensemble. **Placement interview required.** **String Orchestra attempts to accommodate everyone, but is not a course to learn an instrument for the first time.**

Prerequisites:

MUZA65H3/(VPMA67H3)

Exclusions:

Previous: VPMB73H3-LEC02

New: (VPMB66H3)

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. The course description has been updated to better reflect the content and topics covered in this course.

Consultation:

DCC Approval: May 8, 2020

RO Approval: November 2, 2020

Resources:

None.

MUZH67H3: String Orchestra IIB

New Course Code:

MUZH65H3

Description:

The practical study of instrumental ensemble performance in the String Orchestra setting- **Audition/interview required.** Students are normally expected to complete both Fall and Winter sessions (~~a and b~~) in the same ensemble. **Placement interview required.** **String Orchestra attempts to accommodate everyone, but is not a course to learn an instrument for the first time.**

Prerequisites:

MUZH64H3/(VPMB66H3)

Exclusions:

Previous: VPMB74H3-LEC02

New: (VPMB67H3)

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. The course description has been updated to better reflect the content and topics covered in this course.

Consultation:

DCC Approval: May 8, 2020

RO Approval: November 2, 2020

Resources:

None.

MUZH68H3: Small Ensemble IIA

New Course Code:

MUZH66H3

Title:

Small Ensembles Ensemble Iia

Abbreviated Title:

Small Ensembles Ensemble Iia

Description:

The practical study of small ensemble performance, including public presentations and group recitals. ~~Audition/interview required. Students may participate in more than one ensemble concurrently with a limit of 3.0 credits in total.~~ Students are normally expected to complete both Fall and Winter sessions (~~a and b~~) in the same ensemble. Placement interview required. Small Ensembles attempts to accommodate everyone but is not a course to learn an instrument for the first time.

Prerequisites:

MUZA67H3/(VPMA69H3)

Exclusions:

Previous:

New: (VPMB68H3)

Note:

1. Priority will be given to students enrolled in the Major and Minor programs in Music and Culture. Additional students will be admitted as space permits. 2. Students interested in popular, rock, jazz, or other contemporary styles should register for LEC 01. Students interested in classical, folk, "world, " or other acoustic-based styles should register for LEC 02. ~~permits.~~

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. The course title and description has been updated to better reflect the content and topics covered in this course.

Consultation:

DCC Approval: May 8, 2020

RO Approval: November 2, 2020

Resources:

None.

MUZB69H3: Small Ensemble Iib

New Course Code:

MUZB67H3

Title:

Small Ensembles Ensemble Iib

Abbreviated Title:

Small Ensembles Ensemble Iib

Description:

The practical study of small ensemble performance, including public presentations and group recitals. Students are normally expected to complete both Fall and Winter sessions (~~a and b~~) in the same ensemble. Placement ~~Audition/interview~~ required. Small Ensembles attempts to accommodate everyone but is not a course to learn an instrument for the first time.

Prerequisites:

MUZB66H3/(VPMB68H3)

Exclusions:

Previous:

New: (VPMB69H3)

Note:

1. Priority will be given to students enrolled in the Major and Minor programs in Music and Culture. Additional students will be admitted as space permits. 2. Students interested in popular, rock, jazz, or other contemporary styles should register for LEC 01. Students interested in classical, folk, "world," or other acoustic-based styles should register for LEC 02. permits-

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. The course title and description has been updated to better reflect the content and topics covered in this course.

Consultation:

DCC Approval: May 8, 2020
RO Approval: November 2, 2020

Resources:

None.

MUZB88H3: Materials of Music I

New Course Code:

MUZB80H3

Title:

Previous: Materials of Music I
New: Developing Musicianship

Abbreviated Title:

Previous: Materials of Music I
New: Developing Musicianship

Description:

The continuing development basic materials of musicianship through music-making and creation music from the Middle Ages to the present, including elementary harmony, musical forms, introductory analytical and compositional techniques, and aural training.

Prerequisites:

Previous: [VPMA95H3 or [Grade 12 Music or equivalent]] and [0.5 credit in Performance]
New: MUZA80H3 / (VPMA95H3)

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. The course title and description have been updated to better reflect the content and topics covered in this course. The course prerequisites have been revised to ensure students can move through the program efficiently.

Consultation:

DCC Approval: May 8, 2020
RO Approval: November 2, 2020

Resources:

None.

MUZB90H3: Materials of Music II

New Course Code:

MUZB81H3

Title:

Previous: Materials of Music II
New: The Independent Music-Maker

<p>Abbreviated Title: Previous: Materials of Music II New: The Independent Music-Maker</p>
<p>Description:</p> <p>Building upon Developing Musicianship, this course involves further Further study of the basic materials of musicianship through music-making and creation, music with increased emphasis on composition. The course will provide theory and formal analysis, dictation, notation methods, and ear-training skills.</p>
<p>Prerequisites: MUZB80H3/(VPMB88H3)</p>
<p>Exclusions: Previous: New: (VPMB90H3)</p>
<p>Rationale:</p> <ol style="list-style-type: none"> 1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition. 2. The course description has been updated to better reflect the content and topics covered in this course.
<p>Consultation: DCC Approval: April 14, 2020 RO Approval: November 2, 2020</p>
<p>Resources: None.</p>

MUZC01H3: Exploring Community Music

<p>Prerequisites: ACMB01H3 and MUZB01H3/(VPMB01H3)</p>
<p>Exclusions: Previous: New: (VPMC01H3)</p>
<p>Rationale:</p> <p>The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.</p>
<p>Consultation: DCC Approval: April 14, 2020 RO Approval: November 2, 2020</p>
<p>Resources: None.</p>

MUZC02H3: Music, Health, and Wellness

<p>Description:</p> <p>This course introduces the histories, contexts, and theories of music in relation to health and wellness. Students will develop deeper understandings of how music can be used for therapeutic and non-therapeutic purposes.</p>
<p>Exclusions: Previous: New: (VPMC02H3)</p>
<p>Enrolment Limits: Previous: 20</p>

New: 25

Learning Outcomes:

Upon successful completion of the course: -Students will be able to identify and describe similarities and differences between the concepts of health, quality-of-life, and wellbeing as used in scholarly literature. - literature.— Students will be able to identify and describe the objective and subjective conceptions of wellness and their associated measures. - measures.— Students will be familiar with the scholarly literature on music, health, and wellness, and be able to communicate purported health benefits as they align with codified conceptions and measures of health. - health.— Students will be able to describe historical and emerging practices with respect to musical interventions with intended health benefits (e.g., music therapy, community music therapy, health humanities, music care). - Students will develop basic skills in music interventions with wellness intent as appropriate to different settings and populations. - populations.— Students will develop an understanding of ethics with respect to music, health, and wellness, and appreciate the important policies and practices that govern music interventions in various contexts, including but not limited to ageing aging, adaptation, access, inclusion, and diversity. - diversity.— Students will be able to describe possible projects or programming with wellness intent they could develop or implement in various settings. settings.—

Topics Covered:

Agency and self-determination theory, life-course lifecourse theory, ageing aging studies, ethics, professional practice, credentialing and policy, salubrity and pathology, health and wellness, quality-of-life and wellbeing, leisure and recreation, music facilitation, community music therapy, arts entrepreneurship. entrepreneurship.—

Methods of Assessment:

1. Weekly reading responses(written): These will allow for weekly assessment of student engagement with the readings 2 readings-2. “Teach backs” and discussion (live presentation and interaction): These will further allow for assessment of how well students are understanding and engaging with the readings 3 readings-3. Short written papers (2-3): Writing will allow students opportunities for deeper reflection and synthesis of or ideas; the assignment prompts will be designed to provoke thought rather than article summaries 3 summaries-4. Community observation reports (2-3): Students will be required to observe music-making music making with wellness intent as it occurs in the community. Written reports will require students to describe what they observe and reflect on how what they observe compares and contrasts with conceptions of health and wellbeing studies in the readings. 4 readings-5. Music facilitation exercises (3): Students will lead the class through a variety of musical activities with wellness intent (e.g., drum circles, group singing, songwriting) 5 6. Entrepreneurship Project: Students will develop a hypothetical project they could potentially implement in a community setting.

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. The enrolment limited has increased to better reflect the pedagogical of the course.
3. The learning outcomes, topics covered, and method of assessment have not been changed.

Consultation:

DCC Approval: April 14, 2020
RO Approval: November 2, 2020

Resources:

None.

MUZC85H3: Movies, Music and Meaning

New Course Code:

MUZC20H3

Description:

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

Same as MDSC85H3

Prerequisites:

ACMB01H3 and [[2.0 credits at the B-level in MDS courses] or [2.0 credits at the B-level in MUZ/(VPM) courses]]

Exclusions:

MDSC85H3, (VPMC85H3)

Rationale:

The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.

Consultation:

DCC Approval: April 14, 2020

RO Approval: November 2, 2020

Resources:

None.

MUZC95H3: Musical Diasporas

New Course Code:

MUZC21H3

Description:

This course examines the unique role of music and the arts in the construction and maintenance of transnational identity in the diaspora. The examples understudy ~~Examples under study~~ will cover a wide range of communities (e.g. Asian, Caribbean and African)and places.

Prerequisites:

ACMB01H3 and MUZB80H3/(VPMB88H3) and an additional 0.5 ~~1.0~~ credit at the B-level in MUZ/(VPM) courses

Exclusions:

Previous:

New: (VPMC95H3)

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. The course prerequisites have been revised to ensure students can move through the program efficiently.

Consultation:

DCC Approval: May 8, 2020

RO Approval: November 2, 2020

Resources:

None.

MUZC94H3: Jazz

New Course Code:

MUZC22H3

Title:

Jazz ~~Roots and Routes~~

Abbreviated Title:

Jazz ~~Roots and Routes~~

Description:

A history of jazz from its African and European roots to present-day ~~present day~~ experiments. Surveys history of jazz styles, representative performers and contexts of performance.

Prerequisites:

ACMB01H3 and MUZB20H3/(VPMB82H3) and an additional ~~1.0~~ credit at the B-level in MUZ/(VPM) courses

Exclusions:

Previous:

New: (VPMC94H3)

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. The course title has been revised to better reflect the topics and content covered in this course.

Consultation:

DCC Approval: May 8, 2020

RO Approval: November 2, 2020

Resources:

None.

MUZC65H3: Critical Issues in Music and Society

New Course Code:

MUZC23H3

Prerequisites:

MUZB20H3/(VPMB82H3) and ~~1.0~~ credit at the C-level ~~B-level~~ in MUZ/(VPM) courses

Exclusions:

(VPMC65H3 ~~VPMD90H3~~)

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. The prerequisites have been changed from B-levels to C-levels. This is so that students gain enough academic context at the C-level before engaging in a conversation investigating critical issues in this field. We believe that C-level courses will prepare students adequately to explore and critically analyze materials related to the course.

Consultation:

DCC Approval: May 8, 2020

RO Approval: November 2, 2020

Resources:

None.

MUZC90H3: Materials of Music III

New Course Code:

MUZC40H3

Title:

Previous: Materials of Music III

New: The Composer 's Studio

Abbreviated Title:

Previous: Materials of Music III

New: The Composer 's Studio

Description:

Previous: More advanced study of the materials of music with an emphasis on composition.

New: Students will write original works for diverse styles and genres while exploring various compositional methods. The class provides opportunities for students to work with musicians and deliver public performances of their own work.

Prerequisites:

MUZB81H3/(VPMB90H3) and [an additional 1.0 credit at the B-level in MUZ/(VPM) courses]

Exclusions:

Previous:

New: (VPMC90H3)

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. The course title and description has been updated to better reflect the content and topics covered in this course.

Consultation:

DCC Approval: April 13, 2020

RO Approval: November 2, 2020

Resources:

None.

MUZC91H3: Electronic Music I

New Course Code:

MUZC41H3

Title:

Digital ~~Electronic~~ Music Creation †

Abbreviated Title:

Digital ~~Electronic~~ Music Creation †

Description:

This course will explore various techniques for digital audio production including recording ~~An introduction to understanding electronic~~, editing, mixing, sequencing, signal processing, ~~electroacoustic and computer generated music~~ and sound synthesis. Students will develop ~~developing~~ creative skills for ~~electronic in these~~ media through theoretical, aesthetic, and practical perspectives- ~~This course is lab and lecture based.~~

Prerequisites:

Previous: ACMB01H3 and VPMB90H3 and [an additional 1.0 credit at the B-level in VPM courses]

New: MUZB40H3 / (VPMB91H3) and MUZB80H3/ (VPMB88H3)

Exclusions:

Previous:

New: (VPMC91H3)

Recommended Preparation:

Previous: VPMB82H3

New:

Enrolment Limits:

Previous: 20

New:

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. The course description has been updated to better reflect the content and topics covered in this course.
3. The course prerequisites have been revised to ensure students can move through the program efficiently.

Consultation:

DCC Approval: April 14, 2020

RO Approval: November 2, 2020

Resources:

None. Should resources be required in the future they will come from the unit's existing budgets.

MUZD91H3: Electronic Music II

New Course Code:

MUZC42H3

Title:

Previous: Electronic Music II

New: Creative Audio Design Workshop

Abbreviated Title:

Previous: Electronic Music II

New: Creative Audio Design Workshop

Description:

Previous: More advanced study in electronic, electroacoustic and computer-generated music with emphasis on electroacoustic composition. This course is primarily lab-based.

New: This course will explore music production and sound design techniques while examining conceptual underpinnings for creating works that engage with space and live audiences. Students will develop creative skills for electronic media through theoretical, aesthetic, and practical perspectives.

Prerequisites:

Previous: VPMC91H3 and [an additional 0.5 credit at the C-level in VPM courses]

New: MUZB40H3 / (VPMB91H3) and MUZB80H3/ (VPMB88H3)

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. Course level change from D to C: We are converting a number of D-level courses to the C-level to provide more variety at the C-level. The existing course learning outcomes and topics covered are appropriate for a C level course and remain unchanged.
3. The course title and description have been updated to better reflect the content and topics covered in this course.
4. The course prerequisites have been revised to meet the appropriate level of the demands of the course at the C-level.

Consultation:

DCC Approval: May 8, 2020

RO Approval: November 2, 2020

Resources:

None.

MUZC97H3: Music, Technologies, Media

New Course Code:

MUZC43H3

Description:

Previous: An exploration of music 's relationships to media and technology, and how these shape musical practices, consumption, and understanding in historical and contemporary contexts. Topics include music printing, music journalism, development of acoustic, mechanical, and electronic instruments, the recording industry, radio, electroacoustic and computer composition, and digital dissemination via the internet.

New: This course examines critical issues of music technology and the ways in which digital technology and culture impact the ideologies and aesthetics of musical artists. Students will become familiar with contemporary strategies for audience building and career development of technology-based musicians.

Prerequisites:

ACMB01H3 and [[2.0 credits at the B-level in **MUZ**/(VPM) courses] or [2.0 credits at the B-level in MDS courses]]

Exclusions:

Previous:

New: (VPMC97H3)

Note:

Previous: No specialist knowledge in music or media studies required.

New:

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. The course description has been updated to better reflect the content and topics covered in this course.

Consultation:

DCC Approval: May 8, 2020

RO Approval: November 2, 2020

Resources:

None.

MUZC73H3: Concert Band IIIa

New Course Code:

MUZC60H3

Description:

~~A continuation of VPMB74H3.~~ The practical study of instrumental ensemble performance. ~~Audition/interview required.~~ ~~Students may participate in more than one ensemble concurrently with a limit of 3.0 credits in the Concert Band setting total.~~ Students are normally expected to complete both Fall and Winter sessions (~~a and b~~) in the same ensemble. Placement interview required. Concert Band attempts to accommodate everyone, but is not a course to learn an instrument for the first time.

Prerequisites:

MUZB61H3/~~VPMB74H3~~ or(~~VPMB74H3~~ ~~VPMB92H3~~)

Exclusions:

(~~VPMC73H3~~ ~~VPMC92H3~~)

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. The course descriptions have been revised to better reflect the entrance requirements to the courses.
3. The pre-requisites have been updated to better prepare students to be successful in this course.

Consultation:

Music and Culture full-time faculty complement met bi-weekly throughout the 2019-20 academic year.

ACM Teaching and Curriculum Committee/DCC Approval– May 8, 2020

RO Approval: November 2, 2020

Resources:

None.

MUZC74H3: Concert Band IIIb

New Course Code:

MUZC61H3

Description:

~~A continuation of VPMC73H3.~~ The practical study of instrumental ensemble performance. ~~Audition/interview required.~~ ~~Students may participate in more than one ensemble concurrently with a limit of 3.0 credits in the Concert Band setting total.~~ Students are normally expected to complete both Fall and Winter sessions (~~a and b~~) in the same ensemble. Placement

interview required. Concert Band attempts to accommodate everyone, but is not a course to learn an instrument for the first time.

Prerequisites:

MUZC60H3/(VPMC73H3)

Exclusions:

(VPMC74H3 ~~VPMC92H3~~)

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. The course descriptions have been revised to better reflect the entrance requirements to the courses.

Consultation:

Music and Culture full-time faculty complement met bi-weekly throughout the 2019-20 academic year.
ACM Teaching and Curriculum Committee/DCC Approval – May 8, 2020
RO Approval--November 2, 2020

Resources:

None.

MUZC70H3: Concert Choir IIIa

New Course Code:

MUZC62H3

Description:

~~A continuation of VPMB71H3.~~ The practical study of vocal ensemble performance. ~~Audition/Interview required. Students may participate in more than one ensemble concurrently with a limit of 3.0 credits in the Concert Choir setting total.~~ Students are normally expected to complete both Fall and Winter sessions (~~a and b~~) in the same ensemble. Placement Interview required. Concert Choir attempts to accommodate everyone.

Prerequisites:

MUZB63H3/(VPMB71H3)

Exclusions:

Previous:

New: (VPMC70H3)

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. The course descriptions have been revised to better reflect the entrance requirements to the courses.

Consultation:

Music and Culture full-time faculty complement met bi-weekly throughout the 2019-20 academic year.
ACM Teaching and Curriculum Committee/DCC Approval – May 8, 2020
RO Approval--November 2, 2020

Resources:

None.

MUZC71H3: Concert Choir IIIb

New Course Code:

MUZC63H3

Description:

A continuation of VPMC70H3. The practical study of vocal ensemble performance. ~~Audition/Interview required. Students may participate in more than one ensemble concurrently with a limit of 3.0 credits in the Concert Choir setting total.~~ Students are normally expected to complete both Fall and Winter sessions (~~a and b~~) in the same ensemble. Placement Interview required. Concert Choir attempts to accommodate everyone.

Prerequisites:

MUZC62H3/(VPMC70H3)

Exclusions:

Previous:

New: (VPMC71H3)

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. The course descriptions have been revised to better reflect the entrance requirements to the courses.

Consultation:

Music and Culture full-time faculty complement met bi-weekly throughout the 2019-20 academic year.
ACM Teaching and Curriculum Committee/DCC Approval – May 8, 2020
RO Approval--November 2, 2020

Resources:

None.

MUZC66H3: String Orchestra IIIa

New Course Code:

MUZC64H3

Description:

The practical study of instrumental ensemble performance in the String Orchestra setting. ~~Audition/interview required.~~ Students are normally expected to complete both Fall and Winter sessions (~~a and b~~) in the same ensemble. Placement interview required. String Orchestra attempts to accommodate everyone, but is not a course to learn an instrument for the first time.

Prerequisites:

MUZB65H3/(VPMB67H3)

Exclusions:

Previous: VPMC73H3-LEC02

New: (VPMC66H3)

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. The course descriptions have been revised to better reflect the entrance requirements to the courses.

Consultation:

Music and Culture full-time faculty complement met bi-weekly throughout the 2019-20 academic year.
ACM Teaching and Curriculum Committee/DCC Approval – May 8, 2020
RO Approval--November 2, 2020

Resources:

None.

MUZC67H3: String Orchestra IIIb

New Course Code:

MUZC65H3

Description:

The practical study of instrumental ensemble performance in the String Orchestra setting- ~~Audition/interview required~~. Students are normally expected to complete both Fall and Winter sessions (~~a and b~~) in the same ensemble. ~~Placement interview required~~. String Orchestra attempts to accommodate everyone, but is not a course to learn an instrument for the first time.

Prerequisites:

MUZC64H3/(VPMC66H3)

Exclusions:

Previous: VPMC74H3-LEC02

New: (VPMC67H3)

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. The course descriptions have been revised to better reflect the entrance requirements to the courses.

Consultation:

Music and Culture full-time faculty complement met bi-weekly throughout the 2019-20 academic year.

ACM Teaching and Curriculum Committee/DCC Approval – May 8, 2020

RO Approval--November 2, 2020

Resources:

None

MUZC68H3: Small Ensemble IIIa**New Course Code:**

MUZC66H3

Title:

Small Ensembles ~~Ensemble~~ IIIa

Abbreviated Title:

Small Ensembles ~~Ensemble~~ IIIa

Description:

The practical study of small ensemble performance, including public presentations and group recitals- ~~Audition/interview required~~. ~~Students may participate in more than one ensemble concurrently with a limit of 3.0 credits in total~~. Students are normally expected to complete both Fall and Winter sessions (~~a and b~~) in the same ensemble. ~~Placement interview required~~. Small Ensembles attempts to accommodate everyone, but is not a course to learn an instrument for the first time.

Prerequisites:

MUZB67H3/(VPMB69H3)

Exclusions:**Previous:**

New: (VPMC68H3)

Note:

1. Priority will be given to students enrolled in the Major and Minor programs in Music and Culture. Additional students will be admitted as space permits.
 2. Students interested in popular, rock, jazz, or other contemporary styles should register for LEC 01. Students interested in classical, folk, "world, " or other acoustic-based styles should register for LEC 02.
- ~~permits~~.

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. The course descriptions have been revised to better reflect the entrance requirements to the courses.

3. The course title change from Small Ensemble to the plural form, Small Ensembles, better reflects the course structure and content.

Consultation:

Music and Culture full-time faculty complement met bi-weekly throughout the 2019-20 academic year.
ACM Teaching and Curriculum Committee/DCC Approval – May 8, 2020
RO Approval--November 2, 2020

Resources:

None.

MUZY69H3: Small Ensemble IIIb

New Course Code:

MUZY67H3

Title:

Small Ensembles Ensemble IIIb

Abbreviated Title:

Small Ensembles Ensemble IIIb

Description:

The practical study of small ensemble performance, including public presentations and group recitals. Students are normally expected to complete both Fall and Winter sessions (~~a and b~~) in the same ensemble. Placement ~~Audition~~/interview required. Small Ensembles attempts to accommodate everyone, but is not a course to learn an instrument for the first time.

Prerequisites:

MUZY66H3/(VPMY68H3)

Exclusions:

Previous:

New: (VPMY69H3)

Note:

Previous:

New: Students interested in popular, rock, jazz, or other contemporary styles should register for LEC 01. Students interested in classical, folk, "world, " or other acoustic-based styles should register for LEC 02.

Topics Covered:

Previous:

New:

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. The course descriptions have been revised to better reflect the entrance requirements to the courses.
3. The course title change from Small Ensemble to the plural form, Small Ensembles, better reflects the course structure and content.

Consultation:

Music and Culture full-time faculty complement met bi-weekly throughout the 2019-20 academic year.
ACM Teaching and Curriculum Committee/DCC Approval – May 8, 2020
RO Approval--November 2, 2020

Resources:

None.

MUZC88H3: Topics in Music and Culture

New Course Code:

MUZC80H3

Prerequisites:

ACMB01H3 and ~~VPMB82H3~~ and [an additional 1.0 ~~0.5~~ credit at the B-level from the following: MUZB01H3, MUZB20H3, MUZB80H3 in VPM courses]

Exclusions:**Previous:**

New: (VPMC88H3)

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. The course prerequisites have been revised to ensure students can move through the program efficiently, with the core MUZ B-level courses as prerequisites.

Consultation:

Music and Culture full-time faculty complement met bi-weekly throughout the 2019-20 academic year. ACMSA/Music 303 Roundtable January 15, 2020. Although the specific program changes included in this proposal were not presented to students, the purpose of the roundtable was to solicit student input on the direction of the program.

DCC Approval: April 14, 2020

RO Approval: November 2, 2020

Resources:

None.

MUZD01H3: Senior Seminar: Music in Our Communities

Description:

Through advanced studies in community music, students will combine theory and practice through intensive ~~weekly~~ seminar-style discussions and an immersive service-learning placement with a community music partner ~~from the Eastern GTA~~. Off-campus site visits are required.

Prerequisites:

MUZC01H3/(VPMC01H3)

Exclusions:**Previous:**

New: (VPMD01H3)

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. The course description has been updated for clarity.
3. The pre-requisites have been updated to reflect the new course designator.

Consultation:

Music and Culture full-time faculty complement met bi-weekly throughout the 2019-20 academic year.

DCC Approval: May 8, 2020

RO Approval: November 2, 2020

Resources:

None.

MUZD02H3: Music and Culture Senior Project

New Course Code:

MUZD80H3

Prerequisites:

1.5 credits ~~VPMC88H3~~ and ~~{an additional 0.5 credit}~~ at the C-level in VPM/MUZ courses.†

Exclusions:**Previous:**

New: (VPMD02H3)

Learning Outcomes:

Upon successful completion of the course, students will be able to:- demonstrate the ability to synthesize what they have learned in their respective areas of focus in the Music and Culture program by creating/designing a project related to music and ~~culture - culture~~ clearly articulate and develop a project with a vision, mission, and/or thesis that reflects a grounding in the scholarly literature and that reflects an identifiable “need” or ~~problem - problem~~ create and deliver regular updates of their project-in-process to their peers in a seminar style forum as well as a culminating academic-style public presentation of their work

Methods of Assessment:

1. Project Proposal: This will allow students to clearly identify a problem, construct a rationale for why it should be addressed, and articulate a set of questions they will ~~explore 2 explore-2~~. Project Design: This will allow students to create the architecture needed for their own project. Using a step-by-step approach, they will set the scope of the work to be done, the methods to be employed, and the ways in which they will complete the project including a 12-week timeline 3. Research Pathways: Students will maintain a search journal and manage their reference lists; they will investigate ongoing research in the field(s) most relevant to their topic; and they will synthesize the information, and demonstrate their knowledge and awareness of current findings through a written ~~report 4 report-4~~. Verbal/Visual Presentations: The seminar-style class structure will give students the opportunity to prepare, shape, and share their work in-process, and receive critically constructive feedback from both professor and peers; students are required to prepare and deliver a formal presentation of their project at the end of the ~~term 5 term-5~~. Final Written Documentation: Students will provide accompanying written documentation of their complete project; documentation style may vary depending in the nature of each individual project.

Rationale:

1. The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.
2. The course prerequisites have been revised to make expectations clearer and to ensure students are able to complete C-level courses before advancing to a D-level.
3. There are no changes to the Methods of Assessment

Consultation:

Music and Culture full-time faculty complement met bi-weekly throughout the 2019-20 academic year.

ACM Teaching and Curriculum Committee/DCC Approval – May 8, 2020

RO Approval: November 2, 2020

Resources:

None.

MUZD80H3: Independent Study in Music

New Course Code:

MUZD81H3

Prerequisites:

A minimum overall average of B+ in ~~MUZ/VPM~~ courses, and at least 1.0 full credit in music at the C-level. Students in the Composition option must also have completed ~~MUZC40H3/(VPMC90H3)~~. Students in the Performance/research option must complete at least one course in performance at the C-level.

Exclusions:**Previous:**

New: (VPMD80H3)

Rationale:

The course designator has changed for all VPM courses to MUZ to limit confusion and provide clarity. Changes in this proposal are related to this transition.

Consultation:

Music and Culture full-time faculty complement met bi-weekly throughout the 2019-20 academic year.
ACM Teaching and Curriculum Committee/DCC Approval – May 8, 2020
RO Approval: November 2, 2020

Resources:

None.

THRB56H3: Creating a Production: Conception, Design, and Execution I

Description:

This course is an intensive study of theatrical production from the vantage points of producers, directors (and assistant directors), designers (and assistant designers), stage managers (and assistant stage managers), and dramaturgs. It engages students in the experiential learning process inherent in conceiving of, planning for, rehearsing, and producing a major theatrical production. **Students are required to submit an application. Applications are available in August and can be found on the [Arts, Culture, and Media website](#) and in the timetable.**

Prerequisites:

Permission of the Theatre and Performance Studies **instructor. instructor (includes an audition)**

Rationale:

The prerequisites of the course have been revised to replace an audition with an application because an application is more appropriate for the content of the course.

Consultation:

DCC: September 23, 2019

Resources:

None.

THRC56H3: Creating a Production: Conception, Design, and Execution II

Description:

This course is an intensive study of theatrical production from the vantage points of producers, directors (and assistant directors), designers (and assistant designers), stage managers (and assistant stage managers), and dramaturgs. It engages students in the experiential learning process inherent in conceiving of, planning for, rehearsing, and producing a major theatrical production. **Students are required to submit an application. Applications will be available in August and can be found on the [Arts, Culture, and Media website](#) and in the timetable.**

Prerequisites:

THRB56H3 and permission of the Theatre and Performance Studies Teaching **instructor. instructor (includes an audition)**

Note:

1. This course will meet at non-traditional times when the show rehearsals and production meetings are scheduled. 2. THRC56H3 is intended for Year 3 students at UTSC with some theatrical experience. Beginning students are encouraged to register for THRB56H3, while more advanced producers, directors, designers, stage managers, and dramaturgs are encouraged to register for **THRD56H3. ~~THRD56H3.~~**

Rationale:

The prerequisites of the course have been revised to replace an audition with an application because an application is more appropriate for the content of the course.

Consultation:

DCC Approval: September 23, 2019

Resources:

None.

THRD56H3: Creating a Production: Conception, Design, and Execution III**Description:**

This course is an intensive study of theatrical production from the vantage points of producers, directors (and assistant directors), designers (and assistant designers), stage managers (and assistant stage managers), and dramaturgs. It engages students in the experiential learning process inherent in conceiving of, planning for, rehearsing, and producing a major theatrical production. **Students are required to submit an application. Applications will be available in August and can be found on the [Arts, Culture, and Media website](#) and in the timetable.**

Prerequisites:THRC56H3 and permission of the Theatre and Performance Studies ~~instructor.~~ ~~instructor (includes an audition)~~**Note:**

1. This course will meet at non-traditional times, when the show rehearsals and production meetings are scheduled. 2. THRD56H3 is intended for Year 4 students at UTSC with extensive theatrical experience. Less experienced producers, directors, designers, stage managers, and dramaturgs are encouraged to register for THRB56H3 or ~~THRC56H3.~~ ~~THRC56H3.~~

Rationale:

The prerequisites of the course have been revised to replace an audition with an application because an application is more appropriate for the content of the course.

Consultation:

DCC Approval: September 23, 2019

Resources:

None.

VPAC16H3: Legal and Human Resources Issues in Arts Management**Title:****Previous:** Legal and Human Resources Issues in Arts Management**New:** Contracts and Copyright**Abbreviated Title:****Previous:** Legal and Human Resource Issues**New:** Contracts and Copyright**Description:**

A ~~This course is a~~ study of essential legal and practical ~~human resource~~ issues relevant to the ~~from an~~ arts and media workplace ~~management perspective.~~ ~~Topics will include~~ copyright, with a particular focus on contracts ~~freedom of expression,~~ contract negotiation ~~ensorship,~~ and issues related to labour relations and copyright ~~contracts in the cultural sector.~~

Prerequisites:

8.0 credits including VPAA10H3 and VPAA12H3 and VPAB16H3 and ACMB01H3

Learning Outcomes:**Previous:****New:****Topics Covered:****Previous:****New:****Methods of Assessment:****Previous:**

New:

Rationale:

1. The course title and description have been revised to better reflect the topics and content covered in this course.
2. The course prerequisites have been revised to ensure students have the necessary academic background to succeed in this course

Consultation:

DCC Approval: October 5, 2020

Resources:

None.

VPAC17H3: Marketing in the Arts and Media

Recommended Preparation:

Previous: VPAA06H3

New:

Rationale:

The course recommended preparation has been revised to delete the retired VPAA06H3 course.

Consultation:

DCC Approval: October 5, 2020

Resources:

None.

4 Retired Courses:

VPAA06H3: Visual and Performing Arts Management in the Digital Age

Rationale:

This course is being retired because it has not been offered by the department over the last two years. Also, courses such as VPAA10H3 and VPAA12H3 serve as effective A-level introductory courses for the Arts Management Program.

Consultation:

DCC Approval: October 5, 2020

VPAB05H3: Introduction to Contemporary Cultural Theory

Rationale:

Students covered the content in this course offered in other department Major/Minor programs or the Specialist Program in Arts Management, therefore, making this course redundant. The theoretical foundations and frameworks covered in this course are or will be integrated into several other B/C/D level courses, including VPAB16H3, new course VPAB18H3, VPA/C13/C15/C16/C17/C18/C21/C22H3, and VPAD07/D12/D14H3.

Consultation:

DCC Approval: October 5, 2020

VPAB15H3: Arts Education and Outreach

Rationale:

Some parts (outreach) of this course have been added to VPAA12H3, therefore, the department views this course as no longer necessary for the curriculum. The department will also review if an alternative C-level course is necessary for the future

Consultation:

DCC Approval: October 5, 2020

VPMC78H3: Balinese Gamelan: Performance and Context

Rationale:

The faculty member who taught this course has been retired for two years now

Consultation:

DCC Approval: April 14, 2020

Computer & Mathematical Sciences (UTSC), Department of

1 Minor Program Modification:

MINOR PROGRAM IN APPLIED STATISTICS (SCIENCE)

Description:

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

The Minor in Applied Statistics ~~This program~~ may be combined with the Minor in Computer Science; however, it cannot ~~not~~ be combined with any Specialist / Specialist Co-op, Major / Major Co-op or other Minor programs ~~Specialist Program~~ in Computer Science, Mathematics or Statistics.

Description of Proposed Changes:

The description has been revised to include a statement regarding program combination restrictions.

Rationale:

Combining the Minor in Applied Statistics with any other Computer Science Mathematics or Statistics programs may result in students being short of the required number of distinct credits needed to graduate. Adding a clear statement regarding program combination restrictions will ensure that students don't attempt these combinations, only to find out at the point of requesting graduation, that they have not fully met their degree requirements. This change also improves transparency in the Calendar.

Impact:

None

Consultation:

The Statistics faculty were all consulted and the change was approved by the DCC on Oct. 1, 2020.

Resource Implications:

None

13 Course Modifications:

CSCB58H3: Computer Organization

Prerequisites:

[CSCA48H3 or PHYB57H3 / (PSCB57H3)] and [CGPA of at least 3.5, or enrolment in a CSC Subject POST, or enrolment in a non-CSC Subject POST for which this specific course is a program requirement]

Rationale:

Pre-requisites have been revised to reflect a change in course code for PSCB57H3 to PHYB57H3.

Consultation:

This change has been implemented by the Dean's Office in response to changes submitted by the DPES.

Resources:

None.

CSCC85H3: Introduction to Embedded Systems

Title: Previous: Introduction to Embedded Systems New: Fundamentals of Robotics and Automated Systems
Abbreviated Title: Previous: Intro to Embedded Systems New: Fund of Robotics Automated Sys
Rationale: The title has been changed in line with previous changes make to the course description.
Consultation: Approved by the DCC on Oct. 1, 2020.
Resources: None

CSCD54H3: Technology Innovation and Entrepreneurship

Note: Previous: New: If space permits, students in other streams of the Specialist/Specialist Co-op programs in Computer Science may be admitted to the course, with the permission of the instructor.
Rationale: The change allows the instructors to permit non entrepreneurship-stream students who are highly motivated and properly prepared to take this course, space permitting.
Consultation: Approved by the DCC on Oct. 1, 2020.
Resources: None.

CSCD84H3: Artificial Intelligence

Prerequisites: STAB52H3 and CSCB63H3 and [a CGPA of 3.5 or enrolment in a CSC subject POST]
Rationale: CSCB63H3 is being as a prerequisite because it introduces the basic algorithms and data structures (including, very importantly, algorithms on graphs) required to understand many of the topics in CSCD84H3.
Consultation: Approved by the DCC on Oct. 13, 2020.
Resources: None

CSCD90H3: The Startup Sandbox

Note: Previous: New: If space permits, students in other streams of the Specialist/Specialist Co-op programs in Computer Science may be admitted to the course, with the permission of the instructor.
Rationale: The change allows the instructors to permit non entrepreneurship-stream students who are highly motivated and properly prepared to take this course, space permitting.

Consultation:

Approved by the DCC on Oct. 1, 2020.

Resources:

None

MATA36H3: Calculus II for Physical Sciences

Prerequisites:

MATA30H3 or [MATA32H3 and MATA33H3] ~~MATA31H3~~

Exclusions:

(MATA21H3) ; ~~MATA33H3~~ , MATA35H3, MATA37H3, MAT123H, MAT124H, MAT125H, MAT126H, MAT133Y, MAT135Y, MAT137Y, MAT157Y, JMB170Y

Rationale:

1. MATA31H3 has been removed as a prerequisite because it doesn't cover integration, which is needed for MATA36H3.
2. MATA30H3 and MATA33H3 are being added as prerequisites because, together, they provide appropriate preparation for MATA36H3.
3. MATA33H3 is being removed as an exclusion because it has been added as an option.

Consultation:

Approved by the DCC on Oct. 13, 2020

Resources:

None

STAC62H3: Stochastic Processes

Title:

Probability and Stochastic Processes I

Abbreviated Title:

Probability Stochastic Proc I ~~Processes~~

Rationale:

Course titles for STAC62H3 & STAC63H3 are being revised to signal to students that they are strongly linked.

Consultation:

The Statistics faculty were all consulted and the change was approved by the DCC on Oct. 1, 2020.

Resources:

None

STAC63H3: Probability Models

Title:

Probability and Stochastic Processes II ~~Models~~

Abbreviated Title:

Probability Stochastic Proc II ~~Models~~

Rationale:

Course titles for STAC62H3 and STAC63H3 are being revised to signal that they are strongly linked.

Consultation:

The Statistics faculty were all consulted and the change was approved by the DCC on Oct. 1, 2020.

Resources:

None

STAC67H3: Regression Analysis

Exclusions:

STA302H, [students cannot take STAC67H3 for credit if they have already completed, and passed, MGE12H3 - in this case STAC67H3 will be counted as extra (EXT) ; however, students who complete, and pass, MGE12H3 prior to taking STAC67H3 will receive credit for both courses]

Rationale:

The exclusions have been revised to ensure that students are not completing lower-level course for credit (MGE12) AFTER they have taken a higher level course (STAC67). The changes enable students who take MGE12, first, to subsequently take STAC67 for credit and that is academically sensible and it works for students who decide they want to do a STA program after they have taken MGE12.

Consultation:

Statistics faculty have been consulted. Also, the suggestion for this change came from the Supervisor of Studies in Management. Approved by the DCC on Oct. 1, 2020.

Resources:

None

STAD92H3: Readings in Statistics

Description:

This course is offered by arrangement with a statistics faculty member **who must agree to supervise**. This course may be taken in any session and must be completed by the last day of classes in the session in which it is taken.

Rationale:

The course description has been revised to provide better guidance to students.

Consultation:

The Statistics faculty were all consulted and the change was approved by the DCC on Oct. 1, 2020.

Resources:

None

STAD93H3: Readings in Statistics

Description:

This course is offered by arrangement with a statistics faculty member **who must agree to supervise**. This course may be taken in any session and must be completed by the last day of classes in the session in which it is taken.

Rationale:

The course description has been revised to provide better guidance to students who may wish to take this course.

Consultation:

The Statistics faculty were all consulted and the change was approved by the DCC on Oct. 1, 2020.

Resources:

None

STAD94H3: Statistics Project

Description:

A significant project in any area of statistics. The project may be undertaken individually or in small groups. This course is offered by arrangement with a statistics faculty member **who must agree to supervise**. This course may be taken in any session and the project must be completed by the last day of classes in the session in which it is taken

- **Students must obtain consent from the Supervisor of Studies before registering for this course.**

Prerequisites:**Previous:**

New: Students must obtain consent from the Supervisor of Studies before registering for this course.

Breadth Requirements:**Previous:**

New: Quantitative Reasoning

Rationale:

1. The course description has been revised to provide better guidance to students who may wish to take this course.
2. A prerequisite has been added to make it clear to students they must have permission of the Supervisor of Studies to take the course.

Consultation:

The Statistics faculty were all consulted and the change was approved by the DCC on Oct. 1, 2020.

Resources:

None

STAD95H3: Statistics Project**Description:**

A significant project in any area of statistics. The project may be undertaken individually or in small groups. This course is offered by arrangement with a statistics faculty member **who must agree to supervise**. This course may be taken in any session and the project must be completed by the last day of classes in the session in which it is taken.

Rationale:

The course description has been revised to provide better guidance to students who may wish to take this course.

Consultation:

The Statistics faculty were all consulted and the change was approved by the DCC on Oct. 1, 2020.

Resources:

None

Physical & Environmental Sciences (UTSC), Department of

7 Minor Program Modifications:**MAJOR PROGRAM IN ENVIRONMENTAL SCIENCE (SCIENCE)****Completion Requirements:****Program Requirements**

This program requires 8.5 credits as follows:

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

[(MATA20H3) Calculus A *or* MATA30H3 Calculus I for Physical Sciences]

[(MATA21H3) Calculus B *or* MATA35H3 *or* MATA36H3 Calculus II for Biological/Physical Sciences]*

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

EESA06H3 Planet Earth

Note : MATA35H3 cannot be used to fulfill the prerequisites for PSCB57H3

Second Year

STAB22H3 Statistics I

and

1.5 credits from the following:

EESB03H3 Principles of Climatology

EESB04H3 Principles of Hydrology

EESB05H3 Principles of Soil Science

EESB15H3 Earth History

EESB16H3 Feeding Humans - The Cost to the Planet

and

0.5 credit from the following:

BIOB50H3 Ecology

EESB02H3 Principles of Geomorphology

EESB17H3 Hydro Politics and Transboundary Water Resource Management

[CSCA08H3 PSCB57H3 Introduction

to Computer Science I or CSCA20H3 Introduction to Programming] Scientific Computing

CHMB55H3 Environmental Chemistry

Third & Fourth Years

[2.0 credits at the C- or D-level in EES courses with at least 0.5 credit at the D-level] or [1.5 credits at the C- or D-level in EES courses and PSCD11H3 Communicating Science: Film, Media, Journalism, and Society]

Description of Proposed Changes:

1. In the Second Year component of the program requirements: PSCB57H3 has been removed and replaced by [CSCA08H3 or CSCA20H3].

2. In the First Year component of the program requirements, a non-curricular note has been removed.

CSCA20 instead of PSCB57 because they feel more confident with their background knowledge for success in the course. Additionally, CSCA08 has been added to the Program to afford students options with the computer science requirement of the Program.

Rationale:

1. PSCB57 is being revised to better meet the needs of Physics students and is no longer a suitable course to complete this component of the program requirements. CSCA08H3 and CSCA20H3 have been added as options since they will provide the preparation students need to be successful in this program.

2. The non-curricular note is no longer needed as PSCB57H3 has been removed from the program requirements.

Impact:

There is no impact on continuing students. New students will be more flexibility in completing the program requirements, and will complete courses that are suitable for the program.

Consultation:

P&A Group: August 2020

Supervisor of Studies for the Major Program in Environmental Science: October 01, 2020

DPES Teaching & Curriculum Committee: October 07, 2020

Resource Implications:

None

MAJOR PROGRAM IN PHYSICAL SCIENCES (SCIENCE)

Description:

Supervisor: H S. Rein Tawfiq (416-287-7243) Email: hanno.rein@utoronto.ca tawfiq@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 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:

PHYB57H3 Introduction to Scientific Computing
ASTC25H3 Astrophysics of Planetary Systems
MATC34H3 Complex Variables
MATC46H3 Differential Equations II
PHYC50H3 Electromagnetic Theory
PHYC56H3 Quantum Mechanics I
PHYC11H3 Intermediate Physics Laboratory II
PHYC14H3 Introduction to Atmospheric Physics
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:

1. PSCB57H3 has been changed to PHYB57H3 in the Third and Fourth year component of the program requirements.
2. PHYC14H3 has been added as an optional course to the Third and Fourth year component of the program requirements.

Rationale:

1. A course change proposal has been submitted for PSCB57H3 to change the course code to PHYB57H3; the changes to the program reflect the changes to the course.
2. PHYC14H3 is a new course that is an appropriate option to complete this component of the Major program.

Impact:

None.

Consultation:

Approved by the Department of Physical and Environmental Sciences Teaching and Curriculum Committee meeting on October 7th, 2020.

August 17, 2020: consultation with Physics & Astrophysics group, DPES, over email

Resource Implications:

None.

MAJOR PROGRAM IN PHYSICS AND ASTROPHYSICS (SCIENCE)**Completion Requirements:****Program Requirements**

This program requires 8.5 credits as follows:

First Year

PHYA10H3 Physics I for the Physical Sciences

PHYA21H3 Physics II for the Physical Sciences

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

[MATA22H3 Linear Algebra I for Mathematical Sciences or MATA23H3 Linear Algebra I]

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

Second and Later Years

ASTB23H3 Astrophysics of Stars, Galaxies and the Universe

MATB41H3 Techniques of the Calculus of Several Variables I

MATB42H3 Techniques of the Calculus of Several Variables II

MATB44H3 Differential Equations I

PHYB10H3 Intermediate Physics Laboratory I

and

1.5 credits from the following:

PHYB56H3 Introduction to Quantum Physics

PHYB21H3 Electricity and Magnetism

PHYB52H3 Thermal Physics

PHYB54H3 Mechanics: From Oscillations to Chaos

and

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

PHYC14H3 Introduction to Atmospheric Physics

PHYC54H3 Classical Mechanics

PHYD26H3 Planetary Geophysics

PHYD37H3 Introduction to Fluid Mechanics

PHYD38H3 Nonlinear Systems and Chaos

PHYB57H3 ~~PSCB57H3~~ Introduction to Scientific Computing

PSCD02H3 Current Questions in Mathematics and Science

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:

1. In the First Year component of the program requirements: (1) MATA31H3 added as an optional course/MATA30H3 changes from required to optional; (2) MATA22H3 added as an optional course/MATA23H3 changes from required to optional.
2. In the Second and Later Years component of the program requirements: PHYC14H3 added as an optional course.
3. The course code for PSCB57H3 has been updated to the new course code, PHYB57H3.

Rationale:

1. The preparation provided in MATA31H3 is a suitable alternative to MATA30H3; the preparation provided by MATA22H3 is a suitable alternative to MATA23H3.
2. PHYC14H3 is a new course that is a suitable option to complete this component of the program requirements.
3. The course code for PSCB57H3 is being changed to PHYB57H3; the program is being updated to reflect these changes.

Impact:

None.

Consultation:

August 17, 2020: consultation with Physics & Astrophysics group, DPES, over email
 October 7th, 2020: consultation with Teaching & Curriculum Committee, DPES
 These changes have no impact outside of Physics and Astrophysics at DPES.

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:

BIOA01H3 Life on Earth: Unifying Principles
 BIOA02H3 Life on Earth: Form, Function and Interactions
 CHMA10H3 Introductory Chemistry I: Structure and Bonding
 CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms
 EESA01H3 Introduction to Environmental Science
 EESA06H3 Introduction to Planet Earth
 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:

PSCB57H3 has been removed as an optional course to complete the Second Year component of the program requirements; CSCA20H3 changes from optional to required.

Rationale:

PSCB57 has been revised to better meet the needs of Physics students and is no longer a suitable option to complete this component of the program requirements. Making CSCA20H3 a required course will ensure are successful in the program.

Impact:

There is no impact on continuing students. For new students, the changes will marginally reduce the flexibility of the program, but the changes will better prepare students for success.

Consultation:

Physics and Astrophysics Group: August 2020

DPES Teaching & Curriculum Committee: October 07, 2020

Resource Implications:

None

SPECIALIST PROGRAM IN ENVIRONMENTAL PHYSICS (SCIENCE)

Completion Requirements:

Program Requirements

Total Requirements: 16.0 credits

First Year (4.0 credits):

CHMA10H3 Introductory Chemistry I: Structure and Bonding

CHMA11H3 Introductory Chemistry II: Reactions and Mechanisms

EESA06H3 Introduction to Planet Earth
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

Second Year (4.5 credits):

EESB19H3 Mineralogy
MATB41H3 Techniques of Calculus of Several Variables I
MATB42H3 Techniques of Calculus of Several Variables II
MATB44H3 Differential Equations I
PHYB10H3 Intermediate Physics Laboratory I
PHYB21H3 Electricity and Magnetism
PHYB54H3 Mechanics: From Oscillations to Chaos
and

1.0 credit from the following:

EESB02H3 Principles of Geomorphology
EESB03H3 Principles of Climatology
EESB04H3 Principles of Hydrology
EESB05H3 Principles of Soil Science
EESB15H3 Earth History

Third Year (4.0 credits):

EESB20H3 Sedimentology and Stratigraphy
MATC46H3 Differential Equations II
~~PHYB57H3~~ ~~PSCB57H3~~ Introduction to Scientific Computing
STAB22H3 Statistics I
and

1.5 credits from the following:

EESB21H3 Exploration Geophysics
EESB26H3 Introduction to Global Geophysics
EESC26H3 Seismology and Seismic Methods
PHYB52H3 Thermal Physics
PHYC11H3 Intermediate Physics Laboratory II
PHYC50H3 Electromagnetic Theory
PHYC54H3 Classical Mechanics
and

0.5 credit from the following:

CHMB55H3 Environmental Chemistry
EESC07H3 Groundwater
EESC18H3 Limnology
EESC19H3 Oceanography
EESC20H3 Geochemistry
EESC31H3 Glacial Geology

Fourth Year (3.5 credits):

EESC36H3 Petrology
EESC37H3 Structural Geology
EESD21H3 Geophysical and Climate Data Analysis
PHYD37H3 Introduction to Fluid Mechanics
and

1.5 credits from the following:

ASTC25H3 Astrophysics of Planetary Systems
EESC03H3 Geographic Information Systems and Remote Sensing
EESD02H3 Contaminant Hydrogeology
EESD09H3 Research Project in Environmental Science*
EESD10Y3 Research Project in Environmental Science*

EESD13H3 Environmental Law, Policy and Ethics
EESD33H3 Field Techniques
PHYC14H3 Introduction to Atmospheric Physics
PHYC50H3 Electromagnetic Theory
PHYC54H3 Classical Mechanics
PHYD01H3 Research Project in Physics and Astrophysics*
PHYD26H3 Planetary Geophysics
PHYD38H3 Nonlinear Systems and Chaos
PHYD72H3 Supervised Reading in Physics and Astrophysics*

*no more than two of EESD09H3, EESD10Y3, PHYD01H3, and PHYD72H3 may be counted as fulfilling the program requirements.

Note: Where any course appears on more than one option list, it may only be counted as fulfilling the requirements for one of those lists of options.

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

Description of Proposed Changes:

1. The course code PSCB57H3 has been changed to PHYB57H3 in the Third Year components of the program requirements.
2. PHYC14H3 has been added as an optional course to the Fourth Year components of the program requirements.

Rationale:

1. A course change proposal has been submitted for PSCB57H3 to change the course code to PHYB57H3; the changes to the program reflect the change to the course.
2. PHYC14H3 is a new course that is an appropriate option to complete this component of the Specialist programs in Environmental Physics.

Impact:

None

Consultation:

Approved by Department of Physical and Environmental Sciences Teaching and Curriculum Committee on October 7th, 2020.

August 17, 2020: consultation with Physics & Astrophysics group, DPES, over email

Resource Implications:

None

SPECIALIST PROGRAM IN PHYSICAL AND MATHEMATICAL SCIENCES (SCIENCE)

Completion Requirements:

Program Requirements

This program requires 15.5 credits as follows:

First Year:

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 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

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

Second Year

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

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
PHYB57H3 **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
PHYC14H3 **Introduction to Atmospheric Physics**
PHYC50H3 Electromagnetic Theory
PHYC54H3 Classical Mechanics
PHYC56H3 Quantum Mechanics I
[PHYD01H3 Research Project in Physics and Astrophysics *or* PHYD72H3 Supervised Reading in Physics and Astrophysics]
PHYD26H3 Planetary Geophysics
PHYD37H3 Introduction to Fluid Mechanics
PHYD38H3 Introduction to Nonlinear Systems and Chaos
PSCD02H3 Current Questions in Mathematics and Science
PSCD50H3 Advanced Topics in Quantum Mechanics

Note: To satisfy the 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. The course code for PSCB57H3 has been updated to PHYB57H3 in the Second or Third Year component of the program requirements.
2. PHYC14H3 has been added as an optional course to the Third or Fourth Year component of the program requirements.

Rationale:

1. The course code for PSCB57H3 has been changed to PHYB57H3; the program is being updated to reflect this change.
2. PHYC14H3 is a new course that is a suitable option to complete this component of the program requirements.

Impact:

None.

Consultation:

August 17, 2020: consultation with Physics & Astrophysics group, DPES, over email
October 7th, 2020: consultation with Teaching & Curriculum Committee, DPES

Resource Implications:

None.

SPECIALIST PROGRAM IN PHYSICS AND ASTROPHYSICS (SCIENCE)

Completion Requirements:

Program Requirements:

The Program requires 13.5 credits as follows:

First Year

PHYA10H3 Physics I for the Physical Sciences

PHYA21H3 Physics II for the Physical Sciences

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

[MATA22H3 Linear Algebra I for Mathematical Sciences or MATA23H3 Linear Algebra I]

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

CSCA20H3 Introduction to Programming*

*Note: CSCA08H3** may be substituted for CSCA20H3

Second Year

ASTB23H3 Astrophysics of Stars, Galaxies and the Universe

PHYB10H3 Intermediate Physics Laboratory I

PHYB56H3 Introduction to Quantum Physics

PHYB21H3 Electricity and Magnetism

PHYB52H3 Thermal Physics

PHYB54H3 Mechanics: From Oscillations to Chaos

MATB41H3 Techniques of the Calculus of Several Variables I

MATB42H3 Techniques of the Calculus of Several Variables II

MATB44H3 Differential Equations I

Third Year

PHYC50H3 Electromagnetic Theory

PHYC56H3 Quantum Mechanics I

PHYC11H3 Intermediate Physics Laboratory II

PHYC54H3 Classical Mechanics

PHYB57H3 ~~PSCB57H3~~ Introduction to Scientific Computing

MATC34H3 Complex Variables

MATC46H3 Differential Equations II

Fourth Year

1.5 credit from the following:

ASTC25H3 Astrophysics of Planetary Systems

PHYC14H3 Introduction to Atmospheric Physics

PHYD26H3 Planetary Geophysics

PHYD27H3 Physics of Climate Modeling

PHYD28H3 Introduction to Magnetohydrodynamics for Astrophysics and Geophysics

PHYD37H3 Introduction to Fluid Mechanics

PHYD38H3 Introduction to Nonlinear Systems and Chaos

PHYD57H3 Advanced Computational Methods in Physics

PHY452H1 Basic Statistical Mechanics

PHY456H1 Quantum Mechanics II

PHY483H1 Relativity Theory I

PHY484H1 Relativity Theory II

PHY487H1 Condensed Matter Physics

PHY489H1 Introduction to High Energy Physics

PHY491H1 Current Interpretations of Quantum Mechanics

PHY492H1 Advanced Atmospheric Physics

PSCD50H3 Advanced Topics in Quantum Mechanics

and

0.5 credit from the following:

PHYD01H3 Research Project in Physics and Astrophysics

PHYD72H3 Supervised Reading in Physics and Astrophysics

and

[0.5 credit from a course in AST or PHY at the C-, D-, 300-, or 400-level] or [PSCD02H3 Current Questions in Mathematics and Science]

****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. PHYC14H3 added as an optional course to the Fourth Year component of the program requirements.
2. The course code for PSCB57H3, has been updated to PHYB57H3 in the Third Year component of the program requirements.

Rationale:

1. PHYC14H3 is a new course that is a suitable option to complete this component of the program requirements.
2. The course code for PSCB57H3 is being changed to PHYB57H3; the program is being updated to reflect this change.

Impact:

None.

Consultation:

August 17, 2020: consultation with Physics & Astrophysics group, DPES, over email

October 7th, 2020: consultation with Teaching & Curriculum Committee, DPES

Resource Implications:

None.

10 Course Modifications:

CHMB21H3: Chemical Structure and Spectroscopy

Prerequisites:

CHMB20H3 or CHMB23H3

Note:

Previous:

New: Students in the Specialist and Specialist Co-op programs in Biological Chemistry are advised to complete CHMB23H3 rather than CHMB20H3 prior to enrolling in CHMB21H3.

Rationale:

CHMB23H3 is being added as a alternative prerequisite because it is equivalent to CHMB20H3, but includes a laboratory component.

Consultation:

Course change formed approved by the Teaching & Curriculum Meeting after circulating by email on October 16th 2020.

Resources:

None.

EESB03H3: Principles of Climatology

Prerequisites:

[EESA06H3 or EESA09H3] and [MATA29H3 or MATA30H3]

Rationale:

The course prerequisites have been revised to include foundational courses in calculus to ensure students are able to meet the demands of the course.

Consultation:

DPES Teaching & Curriculum Committee: October 08, 2020

Resources:

None

EESD21H3: Geophysical and Climate Data Analysis**Prerequisites:**[MATA21H3 or MATA35H3 or MATA36H3] and **PHYB57H3** / (PSCB57H3) and STAB22H3**Rationale:**

The prerequisite has been updated to reflect that the course code for PSCB57H3 is being changed to PHYB57H3.

Consultation:

Proposal created by the Dean's Office in response to changes to PSCB57H3 submitted by the DPES.

Resources:

None

ESTB01H3: Introduction to Environmental Studies**Prerequisites:****Previous:** Enrolment in the Major Program in Environmental Studies or Minor Program in Natural Sciences and Environmental Management**New:****Rationale:**

The prerequisite for ESTB01 is removed. Students no longer have to be enrolled in the Major Program in Environmental Studies or Minor Program in Natural Sciences and Environmental Management to take this course. This opens course to the broader audience.

Consultation:

The proposal was approved by DPES Teaching and Curriculum Committee meeting on October 7th, 2020.

Resources:

None

PHYA11H3: Physics I for the Life Sciences**Description:**This first course in Physics at the university level is intended for students enrolled in the Life sciences. It covers fundamental concepts of classical physics and its applications to macroscopic systems **in one and three dimensions**. It deals with two main themes; which are Particle and Fluid Mechanics and Waves and Oscillations. The approach will be phenomenological with applications related to life and biological sciences.**Corequisites:**~~(MATA20H3)~~ or MATA29H3 or MATA30H3 or MATA31H3 or **MATA32H3** or (MATA20H3)**Rationale:**

1. The course description has been modified for clarification.
2. MATA32H3 has been added to the list of optional co-requisites since it includes similar material to the existing options. Each year there are students requesting an exception to use an existing MATA32H3 credit to fulfill the co-requisite requirement and it has been given. This is typically because they have changed programs from one where MATA32H3 is the standard calculus course.

Consultation:

Physics & Astrophysics Group Discipline Representative consulted: over email on July 23, 2020.

Physics & Astrophysics Group consulted: over email on July 23, 2020.

October 7th, 2020: consultation with Teaching & Curriculum Committee, DPES

Resources:

None

PHYA22H3: Physics II for the Life Sciences

Prerequisites:

[PHYA10H3 or PHYA11H3 or (PHYA01H3)] and [MATA29H3 or MATA30H3 or MATA31H3 or MATA32H3]

Corequisites:

~~(MATA21H3)~~ or MATA35H3 or MATA36H3 or MATA37H3 or MATA33H3 or ~~Note :~~
(MATA21H3). ~~and MATA35H3 do not allow for many future programs in science.~~

Note:**Previous:**

New: Students interested in completing programs in science are cautioned that (MATA21H3) and MATA35H3 do not fulfill the program completion requirements of most science programs.

Rationale:

1. The pre-requisite calculus course options have been expanded to include MATA32H3, which contains similar material to the existing options.
2. The co-requisite calculus course options have been expanded to include MATA33H3, which contains similar material to the existing options.
3. The non-curricular note in the co-requisite area has been moved to appropriate field for clarity.

Consultation:

Physics & Astrophysics Group Discipline Representative consulted: over email on July 23, 2020.

Physics & Astrophysics Group consulted: over email on July 23, 2020.

October 7th, 2020: consultation with Teaching & Curriculum Committee, DPES

Resources:

None.

PHYB57H3: Introduction to Scientific Computing

Description:

Scientific computing is a rapidly growing field because computers can solve previously intractable problems and simulate natural processes governed by equations that do not have analytic solutions. During the first part of this course, students will learn numerical algorithms for various standard tasks such as root finding, integration, data fitting, interpolation and visualization. In the second part, students will learn how to model ~~physical real-~~
~~world~~ systems ~~from various branches of science~~. At the end of the course, students will be expected to write small programs by themselves. Assignments will regularly include programming exercises.

Prerequisites:

[MATA36H3 or MATA37H3] and [MATA22H3 or MATA23H3] and PHYA21H3 ~~one A-level science course~~

Corequisites:**Previous:**

New: MATB44H3

Rationale:

1. The course code has been updated to signal to students that it is suitable for students in Physics programs.
2. [MATA22H3 and MATA23H3] and PHYA21H3 have been added to the prerequisites to ensure that students have an adequate background in linear algebra to be successful in PHYB57.
3. MATB44H3 has been added as a co-requisite because a foundation in differential equations will support student success in PHYB57.

Consultation:

DPES EES Group: August 21, 2020

Biology Department: September 4, 2020

DPES Discipline Representative: September, 2020

DPES Chair: September, 2020

DPES Teaching and Curriculum Committee: October 7th, 2020

New course code (PHYB57H3) approved by the RO: January 18, 2021

Resources:

None

PHYD27H3: Physics of Climate Modeling**Description:**

A course focusing on introducing the main physical concepts needed to describe model and numerical methods for modelling understand the climate systems of Earth and other planets. Topics covered will include: the primitive equations of meteorology, radiative transfer in atmospheres, processes involved in atmosphere-surface exchanges, and atmospheric chemistry (condensable species, atmospheric opacities) numerical methods for climate modeling.

Prerequisites:

PHYB57H3 PHYB52H3 and PSCB57H3 and MATC46H3 and PHYC14H3

Note:**Previous:** No previous knowledge of Climate Science is assumed.**New:****Rationale:**

1. The course description has been revised to clarify that the focus of the course is on climate modelling. There are no changes to course learning outcomes, or topics covered.
2. The prerequisites have been revised to: (1) delete PHYB52H3 because it is redundant (it is a prerequisite in PHYC14H3); (2) add PHYC14H3, which is a new course that introduces physics concepts related to climate; and (3) update the course code for PSCB57H3, which has been changed to PHYB57H3.
3. The non-curricular note has been deleted since it is no longer relevant.

Consultation:

Physics & Astrophysics Group Discipline Representative consulted: over email on July 23, 2020.

Physics & Astrophysics Group consulted: over email on July 23, 2020.

Physics & Astrophysics Group consulted: over email on August 17, 2020.

October 7th, 2020: consultation with Teaching & Curriculum Committee, DPES

Resources:

None.

PHYD28H3: Introduction to Magnetohydrodynamics for Astrophysics and Geophysics**Prerequisites:**

PHYB57H3 PSCB57H3 and PHYC50H3 and MATC46H3

Rationale:

The change to the prerequisites acknowledges that the course code for PSCB57H3 is being changed to PHYB57H3.

Consultation:

DPES Discipline Representative: September 7th 2020

DPES Chair: September 7th 2020

DPES Teaching and Curriculum committee: October 7th

Resources:

None

PHYD57H3: Advanced Computational Methods in Physics**Prerequisites:****Previous:** PSCB57H3**New:** PHYB57H3**Rationale:**

The prerequisite has been updated to reflect a course code change for PSCB57H3 to PHYB57H3.

Consultation:

DPES Discipline Representative: September 7th 2020

DPES Chair: September 7th 2020

DPES Teaching and Curriculum committee: October 7th, 2020

Resources:

None

1 Retired Course:

CHMC25H3: Quantum Chemistry

Rationale:

This course is focused on physical chemistry and there has been a lack of student interest. Since Physical chemistry is not an area that is currently central to the Chemistry programs, the course is being retired.

Consultation:

Approved by Department of Physical and Environmental Sciences Teaching and Curriculum committee on October 7th, 2020

Health and Society (UTSC), Department of

3 Minor Program Modifications:

MAJOR PROGRAM IN HEALTH STUDIES - HEALTH POLICY (ARTS)

Completion Requirements:**Program Requirements**

This program requires the completion of 8.0 credits, as described below.

CORE (5.5 Credits)**1. 1.0 credit at A-level:**

HLTA02H3 Foundations of Health Studies I

HLTA03H3 Foundations of Health Studies II

2. 2.5 credits as follows:

HLTB16H3 Introduction to Public Health

HLTB41H3 Introduction to the Social Determinants of Health

HLTB50H3 Introduction to Health Humanities

PHLB09H3 Biomedical Ethics

[STAB22H3 Statistics I or STAB23H3 Introduction to Statistics for the Social Sciences]

3. 1.0 credits as follows:

HLTB15H3 Introduction to Health Research Methodology

HLTB40H3 Health Policy and Health Systems

4. 0.5 credit at the D-level in HLT courses**OPTIONS (2.5 credits)****5. 0.5 credit at the B-level from the following:**

HLTB11H3 Basic Human Nutrition

HLTB20H3 Contemporary Human Evolution and Variation

6. 0.5 credit at the B-level from the following:

GGRB28H3 Geographies of Disease

HLTB11H3 Basic Human Nutrition (if not used towards requirement 5)

HLTB20H3 Contemporary Human Evolution and Variation (if not used towards requirement 5)

HLTB30H3 Current Issues in Health

HLTB31H3 , Current Issues in Health II : Synergies Among Science , Policy and Action

HLTB42H3 Perspectives of Culture, Illness and Healing

HLTB60H3 Introduction to Interdisciplinary Disability Studies

IDSB04H3 Introduction to International/Global Health*

* **Note** : IDSB04H3 has prerequisites that are not part of this program.

7. 0.5 credits at the C-level from the following:

HLTC27H3 Community Health and Epidemiology

ANTC67H3 Foundations in Epidemiology

8. 1.5 credits at the C-level from the following:

ANTC24H3 Culture, Mental Illness, and Psychiatry

ANTC61H3 Medical Anthropology: Illness and Healing in Cultural Perspective

HLTC02H3 Gender and Health

HLTC04H3 Analyzing Qualitatively in Critical Qualitative Health and Society Research Methods

HLTC16H3 Introduction to Health Information Systems

HLTC17H3 Introduction to Rehabilitation Sciences

HLTC19H3 Chronic Diseases

HLTC20H3 Global Disability Studies

HLTC22H3 Health, Aging and the Life Cycle

HLTC23H3 Issues in Child Health and Development

HLTC42H3 Emerging Health Issues and Policy Needs

HLTC43H3 Politics of Canadian Health Policy

HLTC44H3 Comparative Health Policy Systems

HLTC46H3 Globalization, Gender and Health

HLTC47H3 Institutional Ethnography: Investigating Special Topics in Health and Social Problems in the Everyday Studies

HLTC48H3 Special Topics in Health Studies

HLTC49H3 Indigenous Health

HLTC50H3 The Human-Animal Interface

HLTC51H3 Special Topics in Health and Society

HLTC52H3 Special Topics in Health Humanities

HLTD11H3 Program and Policy Evaluation

HLTD46H3 Violence and Health : Critical Perspectives

HLTD80H3 Critical Health Education

IDSC11H3 Issues in Global and International Health*

***Note**: IDSC11H3 has prerequisites that are not part of this program.

Description of Proposed Changes:

1. Requirement 6: HLTB30H3 and HLTB31H3 are being added as optional courses.

2. Requirement 8: HLTC20H3 (new course), HLTD46H3 (new course), HLTD80H3 are being added as optional courses.

HLTC04H3 and HLTC47H3 course title changes.

Rationale:

1. Adding these courses as optional courses will provide students with additional B-level options to complete this program requirement.

2. Adding these courses as optional courses will provide students with additional C- and D- level options to complete this program requirement. Course title changes are necessary to ensure consistency throughout the Calendar.

Impact:

None

Consultation:

Resource Implications:

None

MAJOR PROGRAM IN HEALTH STUDIES - POPULATION HEALTH (SCIENCE)

Completion Requirements:

Program Requirements

This program requires the completion of 8.0 credits, as described below.

CORE (5.5 credits)

1. 1.5 credits at A-level:

[BIOA11H3 Introduction to the Biology of Humans or BIOA01H3 Life on Earth: Unifying Principles]

HLTA02H3 Foundations of Health Studies I

HLTA03H3 Foundations of Health Studies II

2. 2.5 credits at B-level:

[HLTB11H3 Basic Human Nutrition or BIOB35H3 Essentials of Human Physiology]

HLTB16H3 Introduction to Public Health

HLTB22H3 Biological Determinants of Health

PHLB09H3 Biomedical Ethics

[STAB22H3 Statistics I or STAB23H3 Introduction to Statistics for the Social Sciences]

3. 0.5 credit:

HLTB15H3 Introduction to Health Research Methodology

4. 0.5 credit at the D-level in HLT courses

OPTIONS (2.5 credits)

5. 0.5 credit at the B-level from the following:

HLTB41H3 Introduction to the Social Determinants of Health

HLTB42H3 Perspectives of Culture, Illness and Healing

HLTB44H3 Environmental Contaminants , Vulnerability and Toxicity

HLTB50H3 Introduction to Health Humanities

6. 0.5 credit at the B-level from the following:

GGRB28H3 Geographies of Disease

HLTB20H3 Contemporary Human Evolution and Variation

HLTB30H3 Current Issues in Health

HLTB31H3 Current Issues in Health II : Synergies Among Science , Policy and Action

HLTB41H3 Introduction to the Social Determinants of Health (if not used towards requirement 5)

HLTB44H3 Environmental Contaminants , Vulnerability and Toxicity (if not used towards requirement 5)

HLTB50H3 Introduction to Health Humanities (if not used towards requirement 5)

HLTB60H3 Introduction to Interdisciplinary Disability Studies

STAB27H3 Statistics II

7. 0.5 credits at the C-level from the following:

ANTC67H3 Foundations in Epidemiology

HLTC27H3 Community Health and Epidemiology

~~ANTC67H3 Foundations in Epidemiology~~

8. 1.5 credits at the C-level from the following:

ANTC68H3 Deconstructing Epidemics

HLTC04H3 Analyzing Qualitatively in Critical Qualitative Health and Society Research Methods

HLTC16H3 Introduction to Health Information Systems
HLTC17H3 Introduction to Rehabilitation Sciences
HLTC19H3 Chronic Diseases
HLTC22H3 Health, Aging and the Life Cycle
HLTC23H3 Issues in Child Health and Development
HLTC24H3 Environment and Health
HLTC25H3 Infectious Diseases
HLTC26H3 Global Health and Human Biology
HLTC28H3 Special Topics in Health Studies
HLTC29H3 Special Topics in Health Studies
HLTC46H3 Globalization , Gender and Health
HLTC48H3 Special Topics in Health Studies
HLTC49H3 Indigenous Health
HLTC51H3 Special Topics in Health and Society

Description of Proposed Changes:

1. Requirement 5: HLTB44H3 is being added as an optional course
2. Requirement 6: HLTB30H3, HLTB31H3, and HLTB44 (if not used for requirement 5) are being added as optional courses.
3. Requirement 8: HLTC46H3 is being added as an optional course. HLTC04H3 course title change

Rationale:

1. Adding this course will provide students with an additional B-level option to complete this program requirement
2. Adding these courses will provide students with additional B-level options to complete this program requirement.
3. Adding this course will provide students with an additional C-level option to complete this program requirement. HLTC04H3 course title change is necessary to ensure consistency throughout the Calendar.

Impact:

None

Consultation:

DCC Approval - October 8, 2020

Resource Implications:

None

MINOR PROGRAM IN HEALTH HUMANITIES (ARTS)

Completion Requirements:

Program Requirements

This program requires the completion of 4.0 credits, as follows:

1. 1.0 credit at the B-level:

HLTB50H3 Introduction to Health Humanities
PHLB09H3 Biomedical Ethics

2. 0.5 credit to be chosen from:

ENGA02H3 Critical Writing about Literature
ENGB02H3 Effective Writing in the Sciences

3. 0.5 credit from:

HLTC55H3 Methods in Arts-Based Health Research

4. At least 0.5 credit at the C-level to be chosen from the following*:

ANTC24H3 Culture, Mental Illness, and Psychiatry
ANTC61H3 Medical Anthropology: Illness and Healing in Cultural Perspective
HLTC20H3 Global Disability Studies
HLTC50H3 The Human-Animal Interface
HLTC52H3 Special Topics in Health Humanities

HLTD54H3 Toronto's Stories of Health and Illness
MUZC02H3 / (VPMC02H3) Music, Health and Wellness
WSTC12H3 Writing the Self: Global Women's Autobiographies
WSTC40H3 Gender and Disability

5. 0.5 credit at the D-level to be chosen from the following*:

ANTD01H3 The Body in Culture and Society
ANTD10H3 The Anthropology of 'Life' Itself
ENGD12H3 Topics in Life Writing
HLTD07H3 Advanced Rehabilitation Sciences: Disability Studies and Lived Experiences of 'Normalcy'
HLTD50H3 Special Topics in Health Humanities
HLTD51H3 Aging and the Arts
HLTD52H3 Special Topics in Health: Health Histories
HLTD53H3 Special Topics in Health Humanities
HLTD54H3 Toronto's Stories of Health and Illness
HLTD56H3 Health Humanities Workshop : Documentary & Memoir
HLTD80H3 Critical Health Education

6. 1.0 credits to be chosen from the following*:

ANTC24H3 Culture, Mental Illness, and Psychiatry (if not used to complete Requirement 4)
ANTC61H3 Medical Anthropology: Illness and Healing in Cultural Perspective (if not used to complete Requirement 4)
ANTD01H3 The Body in Culture and Society (if not used to complete Requirement 4)
ANTD10H3 The Anthropology of 'Life' Itself (if not used to complete Requirement 4)
CTLB03H3 Introduction to Service Learning
ENGA02H3 Critical Writing about Literature (if not used to complete Requirement 3)
ENGB02H3 Effective Writing in the Sciences (if not used to complete Requirement 3)
ENGB12H3 Life Writing
ENGB52H3 Literature and Science
ENGB74H3 The Body in Literature and Film
ENGC44H3 Self and Other in Literature and Film
ENGD12H3 Topics in Life Writing (if not used to complete Requirement 5)
HLTB30H3 Current Issues in Health
HLTB42H3 Perspectives of Culture, Illness and Healing
HLTB60H3 Introduction to Interdisciplinary Disability Studies
HLTC20H3 Global Disability Studies (if not used to complete Requirement 4)
HLTC50H3 The Human-Animal Interface (if not used to complete Requirement 4)
HLTC52H3 Special Topics in Health Humanities (if not used to complete Requirement 4)
HLTD01H3 Directed Readings in Health Studies**
HLTD07H3 Advanced Rehabilitation Sciences: Disability Studies and Lived Experiences of 'Normalcy' (if not used to complete Requirement 5)
HLTD50H3 Special Topics in Health Humanities (if not used to complete Requirement 5)
HLTD51H3 Aging and the Arts (if not used to complete Requirement 5)
HLTD52H3 Special Topics in Health: Health Histories (if not used to complete Requirement 5)
HLTD53H3 Special Topics in Health Humanities (if not used to complete Requirement 5)
HLTD54H3 Toronto's Stories of Health and Illness (if not used to complete Requirement 5)
HLTD56H3 Health Humanities Workshop : Documentary & Memoir (if not used to complete Requirement 5)
HLTD71Y3 Directed Research in Health Studies**
HLTD80H3 Critical Health Education (if not used to complete Requirement 5)
MUZC02H3 / (VPMC02H3) Music, Health and Wellness
WSTC12H3 Writing the Self: Global Women's Autobiographies (if not used to complete Requirement 4)
WSTC40H3 Gender and Disability (if not used to complete Requirement 4)

Notes :

1. The courses listed in requirements 4, 5, and 6 (designated with a *) engage methods, content, and/or issues relevant to arts and humanities-based approaches to health. They provide students with the opportunity to explore more specialized topics related to Health Humanities based on their academic interests and professional aspirations.
2. 0.5 credit can be earned by taking for-credit fine arts classes (e.g., music performance, visual arts, creative writing, etc).
3. Permission to count CLTB03H3 (* *), HLTD01H3, (* *) or HLTD71Y3 (* *) towards the Minor in Health Humanities

must be received from the Program Supervisor. Permission will be granted only in cases where the student's work demonstrably engages Health Humanities-related content and/or research methods.

Description of Proposed Changes:

1. Requirement 4: HLTC20H3 is being added as an optional course
2. Requirement 5: HLTD56H3 and HLTD80H3 are being added as optional courses
3. Requirement 6: HLTB30H3, HLTC20H3 (if not being used for requirement 4), HLTD56H3 (if not being used for requirement 5), and HLTD80H3 (if not being used for requirement 5) are being added as optional courses.

Rationale:

1. Adding this course will provide students with an additional C-level option to complete this program requirement
2. Adding these courses will provide students with additional D-level options to complete this program requirement
3. Adding these courses will provide students with additional B-, C-, and D-level options to complete this program requirement.

Impact:

None

Consultation:

DCC Approval - October 8, 2020

Resource Implications:

None

2 Course Modifications:

HLTC04H3: Critical Qualitative Health Research Methods

Title:

Analyzing Qualitatively in Critical Qualitative Health and Society Research Methods

Abbreviated Title:

Previous: Critical Qualitative Health

New: Analyzing Qualitatively

Description:

Previous: Students will develop a curiosity and awareness about critical approaches to studying health and illness. They will learn what it means to be a critical qualitative health researcher. They will understand how to engage in transformative critical health research practice that questions taken-for-granted assumptions about the social world, and, in the process, students will develop new conceptual and applied skills. Students will draw from interdisciplinary knowledge sources to develop strategies for designing and carrying out critically informed health research projects.

New: In this reading and writing-intensive course, students will read works of Canadian sociology to learn about critical social science approaches to the study of health and social problems. They will learn how to read, write and do research in the postpositivist paradigm. They will question taken-for-granted assumptions doing health and social research. They will experiment with fieldwork and gain new theoretical and applied reading, writing and researching skills.

Recommended Preparation:

Previous: Prior experience in social sciences courses.

New: Interest in the Social Sciences or prior coursework in the Social Sciences.

Enrolment Limits:

Previous:

New: 60

Learning Outcomes:

Previous:

New:

Rationale:

1. The course title and description have been revised to accurately reflect the topics and content covered in this course.
2. The recommended preparation statement has been revised to provide students with more information
3. A course enrolment of 60 has been added to accurately reflect the current enrolments in this course.

Consultation:

DCC Approval: October 09, 2020

Resources:

None

HLTC27H3: Community Health and Epidemiology

Prerequisites:

[HLTB15H3 and HLTB16H3 and any statistics course] or [enrolment in the Certificate in Computational Social Science]

Rationale:

The course prerequisites have been revised to allow students enrolled in the Certificate in Computational Social Science to take the course.

Consultation:

Approved by DCC: January 27, 2021

Resources:

None

Management (UTSC), Department of

6 Minor Program Modifications:

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 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 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
MGFC10H3 Intermediate Finance
MGHB02H3 Managing People and Groups in Organizations
MGHB12H3 Human Resource Management
MGHC02H3 Management Skills
MGMB01H3 Marketing Management
MGOC10H3 Analytics for Decision Making
MGOC20H3 Operations Management

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

MGSB22H3 Entrepreneurship
MGSC01H3 Corporate Strategy
MGSC03H3 Public Management
MGSC05H3 The Changing World of Business-Government Relations
MGSC10H3 Business Strategy in the Digital Age
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

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:

MGSC10H3 has been added as an optional course in component 4 of the program requirements.

Rationale:

MGSC10H3 is a new strategy course that is an appropriate option to complete this requirement of the Specialist program.

Impact:

Students will have more flexibility in course selection for completing their strategy requirement in this program.

Consultation:

Extensive consultation within the strategy area and the department of Management; as well as external to UofT (Stanford, Indiana University, University of Michigan, and Harvard Business School).

Proposal approved by DCC on December 8, 2020

Resource Implications:

None

SPECIALIST PROGRAM IN MANAGEMENT (BACHELOR OF BUSINESS ADMINISTRATION)

Completion Requirements:

Program Requirements

This program requires the completion of 13.5 to 14.0 credits as part of a twenty-credit B.B.A. degree.

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

1. (7.0 to 7.5 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 for Decision Making

MGOC20H3 Operations Management

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

MGSC10H3 Business Strategy in the Digital Age

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:

MGSC10H3 has been added to the list of course options in component 3 of the program requirements.

Rationale:

MGSC10H3 is new strategy course that is an appropriate option to complete this requirement of the Specialist program.

Impact:

Students will have more options to choose from to fulfill the 0.5 strategy credit.

Consultation:

Extensive consultation within the strategy area and the Department of Management; as well as external to UofT (Stanford, Indiana University, University of Michigan, and Harvard Business School).
The proposal approved by DCC on December 8, 2020

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 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 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 for Decision Making
MGOC20H3 Operations Management

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
MGSC10H3 Business Strategy in the Digital Age
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
MGFD25H3 Financial Technologies and Applications (FinTech)
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. MGSC10H3 has been added as an optional course in component 3 of the program requirements.
2. MGFD25H3 has been added as an optional course in component 6 of the program requirements.

Rationale:

1. MGSC10H3 is a new strategy course that is an appropriate option to complete this requirement of the Specialist program.
2. MGFD25H3 fills a gap in the knowledge domain and greatly enriches the curriculum of the BBA Finance Specialist. It will also enhance students' employability.

Impact:

None

Consultation:

- Consultation within the Finance area of Management.
1. Curriculum Committee approved on: December 8, 2020
 2. Curriculum Committee approved on: October 9, 2020.

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 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 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
MGO10H3 Analytics for Decision Making
MGO20H3 Operations Management

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
MGSC10H3 Business Strategy in the Digital Age
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
MGE02H3 Price Theory: A Mathematical Approach
MGE06H3 Macroeconomic Theory and Policy: A Mathematical Approach
MGE11H3 Quantitative Methods in Economics I
MGE12H3 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:

Add new course MGSC10H3 to the list of course options for requirement #3.

Rationale:

This change is necessary to update programs that are impacted by the MGSC10H3 new strategy course proposal.

Impact:

Students will have more options to choose from to fulfill the 0.5 strategy credit.

Consultation:

Extensive consultation within the strategy area and the Department of Management; as well as external to UofT (Stanford, Indiana University, University of Michigan, and Harvard Business School).
The proposal approved by DCC on December 8, 2020

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 16.0 credits as part of a twenty-credit B.B.A. degree.

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

1. (7.0 to 7.5 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 for Decision Making

MGOC20H3 Operations Management

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

MGSC10H3 Business Strategy in the Digital Age

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:

Add new course MGSC10H3 to the list of course options for requirement #3.

Rationale:

This change is necessary to update programs that are impacted by the MGSC10H3 new strategy course proposal.

Impact:

Students will have more options to choose from to fulfill the 0.5 strategy credit.

Consultation:

Extensive consultation within the strategy area and the Department of Management; as well as external to UofT (Stanford, Indiana University, University of Michigan, and Harvard Business School).
The proposal approved by DCC on December 8, 2020

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 credits common to both streams, and additional requirements which depend on the stream for a total of 15.0 to 15.5 credits for the Management Strategy stream and 16.0 to 16.5 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 credits):

1. (7.5 to 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 for Decision Making
MGOC20H3 Operations Management

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
MGSC10H3 Business Strategy in the Digital Age
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
PPGB66H3/(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. Component 4 of the program requirements: add MGSC10H3 to the list of options.
2. Component 6 of the program requirements: deleted MGTC55H3, MGTC56H3 and MGSD10H3 from the list of options; revised PPGC66H3 to PPGB66H3.

Rationale:

1. MGSC10H3 is a new strategy course that is an appropriate option to complete this requirement in the Specialist program.
2. MGTC55H3, MGTC56H3 and MGSD10H3 are being removed because they have been retired, or are being retired effective 2021-22; the change from PPGC66H3 to PPGB66H3 acknowledges a course level change for this course.

Impact:

None, there are many other courses available for students to choose from.

Consultation:

1. Approved by the Curriculum Committee: December 8, 2020
2. Removal of retired courses approved by the Curriculum Committee on February 27, 2020; change to PPGC66H3 responds to a request from the Dean's office on October 9, 2020.

Resource Implications:

None.

4 Course Modifications:

COPC07H3: Management Co-op Work Term

Description:

In this ~~This~~ course, ~~provides~~ Management Co-op students ~~engage in a~~ work term opportunity, ~~which is a form of work-integrated learning~~, to improve their employability skills and workplace productivity by concentrating on key areas to foster their development.

Mode of Delivery:

Previous: Online

New: In Class

Rationale:

Changes to the course description make it clear to students that COPC07 is a work-integrated learning course.

Consultation:

Consultation within the co-op office and with Manager, Philip Brown.

Management Curriculum Committee approved adding the WIL component to the BBA degree on July 14, 2020

Resources:

None

MGAC03H3: Intermediate Management Accounting

Enrolment Limits:

Previous: 60

New: 40

Rationale:

This is a case-based course that reviews many complex accounting concepts. This course requires a great deal of in class discussion and student interaction. Changing the enrolment limit from 60 to 40 will ensure the course is able to support student engagement and involvement.

This change will bring this course into line with similar courses currently offered in the upper level accounting courses and also in line with the current enrollment status.

Consultation:

The Accounting Area was consulted on this matter.

DCC approved this change on October 9, 2020.

Resources:

None. Historically, enrolments have not reached the maximum of 60; therefore, reducing the limit will not require additional resources to offer the course.

MGAD70H3: Advanced Accounting Case Analysis: A Capstone Course

Prerequisites:

~~MGAC01H3~~ and MGAC02H3 and MGAC03H3 and MGAC10H3 and MGAC50H3

Corequisites:

Previous: MGAC50H3 and MGAD20H3 and MGAD65H3

New:

Rationale:

1. MGAD70H3 is an integrated case course that is designed to prepare students for the preparation of their final CPA exam. Students must have technical knowledge from all aspects of accounting (financial and management accounting, tax, audit, performance management and finance). The pre-requisites have been adjusted to ensure students have foundational knowledge tax and management accounting prior to taking MGAD70.

2. The co-requisites have been removed because they are not appropriate for this course.

Consultation:

Consultation with the Accounting faculty in Management

Curriculum Committee approved on October 9, 2020.

Resources:

None.

MGIB01H3: Global Marketing

Exclusions:

Previous:

New: MGMB01H3

Rationale:

The exclusion is added to be consistent with the exclusion listed in MGMB01H3 the general marketing management course. It also clarifies that only one of these courses can be taken for credit within the BBA program.

Consultation:

Consultation within the international business area.
The Curriculum Committee approved the change on July 14, 2020.

Resources:

None.

8 Retired Courses:

MGEB60H3: Comparative Economic Systems

Rationale:

MGEB60H3 has never been offered and there are no plans to offer it in the future.

Consultation:

Consultation was done within the Economics area and with the Economics, Academic Director, Professor Au.
The Management Curriculum Committee approved this proposal on February 27, 2020.

MGEC21H3: Classics in the History of Economic Thought

Rationale:

MGEC21H3 has not been offered for several years; there is no plan to offer this course in the future.

Consultation:

Consultation was done within the Economics area and with the Economics, Academic Director, Professor Au.
The Management Curriculum Committee approved this proposal on February 27, 2020.

MGEC52H3: Labour Economics II

Rationale:

MGEC52H3 has never been offered and there is no plan to offer this course in the future.

Consultation:

Consultation was done within the Economics area and with the Economics, Academic Director, Professor Au.
The Management Curriculum Committee approved this proposal on February 27, 2020.

MGEC80H3: Topics in North American Economic Development

Rationale:

MGEC80H3 has never been offered and there is no plan to offer this course in the future.
This course was an option course and does not directly affect any of our specialist programs

Consultation:

Consultation was done within the Economics area and with the Economics, Academic Director, Professor Au.
The Management Curriculum Committee approved this proposal on February 27, 2020

MGSC46H3: Managerial Perspectives in a Global Economy

Rationale:

MGSC46H3 has not been offered for several years; there is no plan to offer this course in the future.

Consultation:

Consultation was done within the Strategy area.
The Management Curriculum Committee approved this proposal on February 27, 2020.

MGTC55H3: Planning and Budgeting for Public Institutions

Rationale:

MGTC55H3 has never been offered and there is no plan to offer this course in the future.

Consultation:

Consultation was done within the Strategy area.

The Management Curriculum Committee approved this proposal on February 27, 2020.

MGTC56H3: Educational Finance and Economics

Rationale:

MGTC56H3 has never been offered, and there is no plan to offer this course in the future.

Consultation:

Consultation was done within the Economics area, and with the Economics Academic Director, Prof. Au.

The Management Curriculum Committee approved this proposal on February 27, 2020.

MGTD15H3: Commercial Dispute Resolution

Rationale:

MGTD15H3 has never been offered and there is no plan to offer this course in the future.

Consultation:

Consultation was done within the Strategy area.

The Management Curriculum Committee approved this proposal on February 27, 2020.

Sociology (UTSC), Department of

5 Minor Program Modifications:

MAJOR PROGRAM IN SOCIOLOGY (ARTS)

Completion Requirements:

Program Requirements

The Program requires completion of 7.0 credits in Sociology including:

1. 1.0 credit as follows:

[(SOCA01H3) Introduction to Sociology I and (SOCA02H3) Introduction to Sociology II]

or

SOCA03Y3 Introduction to Sociology

2. SOCB05H3 Logic of Social Inquiry

3. SOCB35H3 Numeracy and Society

4. SOCB42H3 ~~Classical Sociological~~ Theory I : **Discovering the Social**

5. SOCB43H3 ~~Classical Sociological~~ Theory II : **Big Ideas in Sociology**

6. 0.5 credit in SOC courses at the C-level that has been designated as an Applied Writing Skills course

7. 3.5 additional credits in SOC courses, of which at least 1.5 credits must be at the C- or D-level

Description of Proposed Changes:

1. Requirement 4: title change for SOCB42H3
2. Requirement 4: title change for SOCB43H3

Rationale:

To ensure consistency throughout the Calendar, all title changes are necessary for programs

Impact:**Consultation:**

DCC Approval: September 13, 2020

Resource Implications:

None.

MINOR PROGRAM IN CRITICAL MIGRATION STUDIES (ARTS)

Description:

Program Advisor: Brigitte Gonzalez Shin brigitte.gonzalez@utoronto.ca

The Minor program in Critical Migration Studies offers students an understanding of the causes and consequences of international migration in sending, transit and receiving societies. Issues of race and ethnicity are highlighted along with the role of class, gender, sexuality, and citizenship in understanding how societies decide to include, exclude, and regulate different groups of migrants. The Minor is interdisciplinary in content and method; through data-driven coursework and experiential learning, students will develop a suite of transferable skills in research design, quantitative and qualitative data analysis, and written, oral, and digital communication.

Completion Requirements:**Program Restrictions**

Students in the Minor **Program** in Critical Migration Studies may count only 1.0 credit in Sociology courses ; ~~from the following list~~ ; towards completion of the program **from the following list**: [(SOCA01H3) and (SOCA02H3)] or SOCA03Y3], **and** SOCB05H3.

Program Requirements

The program requires the completion of 4.0 credits as follows:

1. 1.0 credit from the following:

ANTA02H3 Introduction to Anthropology: Society, Culture and Language
GASA01H3/HISA06H3 Introducing Global Asia and its Histories
GASA02H3 Introduction to Global Asia Studies
GGRA02H3 The Geography of Global Processes
HISA04H3 Themes in World History I
HISA05H3 Themes in World History II
HLTA02H3 Foundations in Health Studies I
HLTA03H3 Foundations in Health Studies II
POLA01H3 Critical Issues in Politics I
POLA02H3 Critical Issues in Politics II
[(SOCA01H3) Introduction to Sociology I and (SOCA02H3) Introduction to Sociology II] or SOCA03Y3 Introduction to Sociology]

2. SOCB60H3 Issues in Critical Migration Studies**3. 0.5 credit from the following:**

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

4. 0.5 credit from the following:

ANTB16H3 Canadian Cultural Identities
 GASB53H3 Mughals and the World, 1500-1858 AD
 GASB74H3/HISB74H3 Asian Foods and Global Cities
 GGRA35H3 The Great Scarborough Mashup: People, Place, Community, Experience
 SOCB53H3 Race and Ethnicity

5. 1.0 credit from the following:

ANTC34H3 The Anthropology of Transnationalism
 CITC01H3 Urban Communities and Neighbourhoods Case Study: East Scarborough
 GASC59H3 The Making of Tamil Worlds
 GASD01H3/HISD09H3 Senior Seminar: Topics in Global Asian Migrations
 GASD56H3 'Coolies' and Others: Asian Labouring Diasporas in the British Empire
 GGRC56H3 Spaces of Travel: Unsettling Migration, Tourism, and Everyday Mobilities
 GGRD19H3 Spaces of Multiraciality: Critical Mixed Race Theory
 HISB14H3 Edible History: History of Global Foodways
 HISC11H3 Multiculturalism and Cultural Identities in the Greek and Roman Worlds
 HISC36H3 People in Motion: Immigrants and Migrants in U.S History
 HISD31H3 Thinking of Diversity: Perspectives on American Pluralisms
 HISD35H3 The Politics of American Immigration, 1865-present
 HLTD06H3 **Auto-Ethnographic Studies of Special Topics in Migration, and Public Health and the State**
 POLD52H3 Immigration and Canadian Political Development
 SOCC25H3 Ethnicity, Race and Migration
 SOCC34H3 Migrations and Transnationalisms
 SOCC52H3 **Immigration, Citizenship & Settler Colonialism International Migration and Immigrant Incorporatio**
 #
 SOCC55H3 Special Topics in Race and Ethnicity

6. 0.5 credit from the following:

SOCD15H3 Advanced Seminar in Critical Migration Studies
 SOCD21H3 Immigrant Scarborough

Description of Proposed Changes:

Requirement 5: course title change for SOCC52H3 and HLTD06H3

Rationale:

To ensure consistency throughout the Calendar, all course title changes are necessary for programs.

Impact:

None.

Consultation:

DCC Approval: September 13, 2020

Resource Implications:

None.

MINOR PROGRAM IN CULTURE, CREATIVITY, AND CITIES (ARTS)**Description:**

The Minor **Program program** in Culture, Creativity and Cities offers students an in-depth understanding of the relationship between culture and cities. The Minor is interdisciplinary in content and method. Through experiential learning, students will develop a suite of transferable skills in written, oral, and digital communication.

Completion Requirements:**Program Requirements**

The program requires the completion of 4.0 credits as follows:

1. 0.5 credit from the following:

ANTA02H3 Introduction to Anthropology: Society, Culture and Language
CITA01H3/(CITB02H3) Foundations of City Studies
GGRA02H3 The Geography of Global Processes
MDSA01H3 Introduction to Media Studies
MDSA02H3 History of Media
MGTA01H3 Introduction to Business
MGTA02H3 Managing the Business Organization
[SOCA03Y3 Introduction to Sociology or [(SOCA01H3) Introduction to Sociology I or (SOCA02H3) Introduction to Sociology II]]
VPAA10H3 Introduction to Arts and Media Management

2. SOCB58H3 Sociology of Culture

3. 1.0 credit from the following:

ACMB10H3 Equity and Diversity in the Arts
ENGB37H3 Popular Literature and Mass Culture
GGRB05H3 Urban Geography
GGRB55H3 Cultural Geography
MDSB03H3 Advertising and Consumer Culture
MDSB25H3 Political Economy of Media
SOCB37H3 Economy, Culture, and Society
SOCB44H3 Sociology of Cities and Urban Life
~~VPAB05H3 Introduction to Contemporary Cultural Theory~~

4. SOCC26H3 Sociology of Urban Cultural Policies

5. 1.0 credit from the following:

ENGC59H3 Literature and the Environment
ENGC83H3 World Cinema
GGRC13H3 Urban Political Geography
SOCC27H3 Sociology of Suburbs and Suburbanization
SOCC44H3 Media and Society
SOCC47H3 Creative Industries
SOCD12H3 Sociology of Art
SOCD52H3 Sociology of Books
VPAC15H3 Cultural Policy

6. 0.5 credit from the following:

SOCD01H3 Advanced Seminar in Culture and Cities
SOCD51H3 Capstone Seminar in Culture, Creativity, and Cities

Description of Proposed Changes:

Requirement 5: VPAB05H3 has been removed as an optional course

Rationale:

VPAB05H3 is being retired by ACM department.

Impact:

None. Students who have already taken VPAB05H3 can use it towards program requirement 5.

Consultation:

DCC Approval: October 12, 2020

Resource Implications:

None.

MINOR PROGRAM IN SOCIOLOGY (ARTS)

Completion Requirements:

Program Requirements

The Program requires completion of 4.0 credits in Sociology as follows:

1. 1.0 credit as follows:

[(SOCA01H3) Introduction to Sociology I and (SOCA02H3) Introduction to Sociology II]

or

SOCA03Y3 Introduction to Sociology

2. SOCB05H3 Logic of Social Inquiry

3. 1.0 credit from the following:

SOCB30H3 Political Sociology

SOCB42H3 ~~Classical Sociological~~ Theory I : **Discovering the Social**

SOCB43H3 ~~Classical Sociological~~ Theory II : **Big Ideas in Sociology**

SOCB47H3 Social Inequality

4. 0.5 additional credit at the B-level in Sociology

5. 1.0 additional credit at the C-level in Sociology

Description of Proposed Changes:

Requirement 3: course title change to SOCB42H3 and SOCB43H3

Rationale:

To ensure consistency throughout the Calendar, all course title changes are necessary for programs.

Impact:

Consultation:

DCC Approval: September 13, 2020

Resource Implications:

None.

SPECIALIST PROGRAM IN SOCIOLOGY (ARTS)

Completion Requirements:

Program Requirements

The Program requires completion of 12.0 credits as described below. No more than 14.0 credits in Sociology may be included in a four-year degree.

1. 1.0 credit as follows:

[(SOCA01H3) Introduction to Sociology I and (SOCA02H3) Introduction to Sociology II] or

SOCA03Y3 Introduction to Sociology

2. SOCB05H3 Logic of Social Inquiry

3. SOCB35H3 Numeracy and Society

4. SOCB42H3 ~~Classical Sociological~~ Theory I : **Discovering the Social**

5. SOCB43H3 ~~Classical Sociological~~ Theory II : **Big Ideas in Sociology**

6. 3.0 credits at the B-level in Sociology

7. SOCC40H3 Contemporary Sociological Theory

8. SOCC23H3 Practicum in Qualitative Research Methods

or

SOCC31H3 Practicum in Quantitative Research Methods

9. 0.5 ~~SOE~~ credit in SOC at the C-level that has been designated as an Applied Writing Skills course

10. 4.5 additional credits at the C- or D- level in SOC courses *, of which at least 1.0 credit must be at the D-level.

* Students may substitute courses from cognate disciplines with the prior approval of the program supervisor.

Description of Proposed Changes:

1. Requirement 4: course title change for SOCB42H3
2. Requirement 5: course title change for SOCB43H3

Rationale:

To ensure consistency throughout the Calendar, all course title changes are necessary for programs.

Impact:

None.

Consultation:

DCC Approval: September 13, 2020

Resource Implications:

None.

8 Course Modifications:

SOCB35H3: Numeracy and Society

Corequisites:

[SOCA03Y3 or[(SOCA01H3)and(SOCA02H3)]] or enrolment in the Certificate in Computational Social Science .

Rationale:

The course corequisites have been revised to ensure students are able to enrol in the Computational Social Sciences Certificate while taking this course.

Consultation:

DCC Approval: September 13, 2020

Resources:

None.

SOCB42H3: Classic Sociological Theory I

Title:

~~Classic Sociological~~ Theory I : Discovering the Social

Abbreviated Title:

~~Classic Sociological~~ Theory I : Disc the Social

Description:

Previous: The development of classic sociological theory from its Enlightenment origins to the eve of the 20th century. Special emphasis is placed on the work of Adam Smith, Karl Marx, Alexis de Tocqueville, and Auguste Comte. Special tutorials are devoted to learning the craft of effective writing.

New: This course examines a group of theorists whose work provided key intellectual resources for articulating the basic concepts and tasks of sociology. Central topics include: the consequences of the division of labour, sources and dynamics of class conflict in commercial societies, the social effects of industrial production, the causes and directions of social

progress, the foundations of feminism, linkages between belief systems and social structures, and the promises and pathologies of democratic societies.

Rationale:

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

Consultation:

DCC Approval: September 13, 2020

Resources:

None.

SOCB43H3: Classic Sociological Theory II

Title:

~~Classic Sociological~~ Theory II : Big Ideas in Sociology

Abbreviated Title:

~~Classic Sociological~~ Theory II : Big Ideas in Soc

Description:

Previous: The development of classic sociological theory from the end of the 19th century to the eve of World War II. Special emphasis is placed on the work of Emile Durkheim, Max Weber, Georg Simmel, and G.H. Mead. Special tutorials are devoted to learning the craft of effective writing.

New: This course studies a group of writers who in the early 20th century were pivotal in theoretically grounding sociology as a scientific discipline. Central topics include: the types and sources of social authority; the genesis and ethos of capitalism; the moral consequences of the division of labour; the nature of social facts; the origins of collective moral values; the relationship between social theory and social reform; the nature of social problems and the personal experience of being perceived as a social problem; the formal features of association; the social function of conflict; the social and personal consequences of urbanization.

Rationale:

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

Consultation:

DCC Approval: September 13, 2020

Resources:

None.

SOCC29H3: Family and Gender in the Middle East

Prerequisites:

[[SOCB05H3 or SOCB35H3]and [0.5 credit from the following:SOCB30H3, SOCB42H3, SOCB43H3, SOCB47H3]] or [8.0 credits, including WSTB05H3 , and enrolment in the Major Program in Women's and Gender Studies] or [8.0 credits , including ASFB01H3 , and enrolment in the Minor Program in African Studies]

Rationale:

The course prerequisites have been revised after consultation with AFS, this change ensures Minor AFS students are able to take this course and use it towards their program degree.

Consultation:

DCC Approval: October 8, 2020

Resources:

None.

SOCC45H3: Youth and Society

Description:

This course examines youth as a social category, and how young people experience and shape societies a critical stage in the life course. Topics to be covered include: youth Youth and social inequality; social change and social movements music ; health ; work , and youth and education politics .

Rationale:

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

Consultation:

DCC Approval: September 13, 2020

Resources:

None.

SOCC52H3: International Migration and Immigrant Incorporation

Title:

Previous: International Migration and Immigrant Incorporation

New: Immigration, Citizenship and Settler Colonialism

Abbreviated Title:

Previous: Int ' l Migration and Incorporat

New: Immigration, Citizenship

Description:

The course examines the relationship between the displacement and dispossession provides an overview of Indigenous peoples competing theories and immigration concepts in settler-colonial states . The focus is on Canada as a traditional country the field of immigration . Topics considered include historical international migration and contemporary immigration and settlement processes , precarious forms of citizenship and noncitizenship , racism and racial exclusion , and the politics of treaty citizenship immigrant incorporation . Discussion puts the Canadian case in comparative perspective : Topics include global migration flows ; refugeeship ; citizenship and non-citizenship ; economic incorporation ; children of immigrants ; and social exclusion .

Prerequisites:

[[SOCB05H3 or SOCB35H3]and [0.5 credit from the following: SOCB30H3, SOCB42H3, SOCB43H3, SOCB47H3]] or [SOCB60H3 and an additional 8.0 credits and enrolment in the Minor Program in Critical Migration Studies]

Rationale:

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

Consultation:

DCC Approval: September 13, 2020

Resources:

None.

SOCC70H3: Models of the Social World

Prerequisites:

SOCB35H3 or [completion of 8.0 credits , including component 1 of the course requirements for the Certificate in Computational Social Science]

Rationale:

The course prerequisites have been revised to ensure students have taken the prerequisite SOCB35H3 or have completed 8.0 credits including requirement 1 of the Certificate in Computational Social Science.

Consultation:

Approved by DCC: January 19, 2021

Resources:

None

SOCD21H3: Immigrant Scarborough

Description:

This course will teach students how to conduct in-depth, community-based research on the social, political, cultural and economic lives of immigrants. Students will learn how to conduct qualitative research including participant observation, semi-structured interviews and focus groups. Students will also gain valuable experience linking hands-on research to theoretical debates about migration, transnationalism and multicultural communities. Check the [Department of Sociology department website](#) for more details at : www.utsc.utoronto.ca/sociology/programs.

Prerequisites:

[10.0 credits and SOCB05H3 and [1.0 credit from the following: SOCB30H3, SOCB42H3, SOCB43H3, SOCB47H3, (SOCC39H3)]] or [SOCB60H3 and enrolment in the Minor [Program in Critical Migration Studies](#)] or [11.0 credits, including ASFB01H3, and enrolment in the [Minor Program in African Studies](#)]

Rationale:

1. The course description has made editorial changes.
2. The course prerequisites have been revised after consultation with AFS, this change ensures Minor AFS students are able to take this course and use it towards their program degree.

Consultation:

DCC Approval: October 8, 2020

Resources:

None.

2 Retired Courses:

CTEB01H3: Equity and Diversity in Education

Rationale:

This course has not been offered for many years and is being retired. Also, this course was used towards the Concurrent Teacher Education Program that has been closed for many years.

Consultation:

DCC Approval: November 12, 2020

CTEC01H3: Communication and Conflict Resolution

Rationale:

This course has not been offered for many years and is being retired. Also, this course was used towards the Concurrent Teacher Education Program that has been closed for many years.

Consultation:

DCC Approval; November 12, 2020

University of Toronto Scarborough Minor Program Modifications Proposal – Undergraduate

This template can be used to draft proposals for minor modifications to existing undergraduate programs. All minor modifications proposals must be formally submitted through the Curriculum Manager (CM) system before they can be reviewed and sent forward to governance.

Note: Please only fill in “New” fields if they are changing.

Status:	<input checked="" type="checkbox"/> Active
Version Start Session:	Fall 2021
Proposal Date	March 4, 2021

Existing Program Title:	<ol style="list-style-type: none"> 1. Double Degree: BBA, Specialist Program in Management and Finance/Honours BSc, Specialist Program in Statistics, Quantitative Finance Stream 2. Double Degree: BBA, Specialist (Co-op) Program in Management and Finance/Honours BSc, Specialist (Co-op) Program in Statistics, Quantitative Finance Stream
New Program Title:	N/A
Level of Instruction:	<input checked="" type="checkbox"/> Undergraduate

Responsibility

Division:	University of Toronto Scarborough
Unit:	Management
New Associated With (Division) Field:	
New Associated with (Unit):	

Governance Routing

Abbreviated Divisional Review

Changes to Calendar Copy

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

Academic Directors:

S. Ahmed Email: mgmtss@utsc.utoronto.ca (BBA)

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

This 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 (BBA) and the Honours Bachelor of Science (BSc), assuming all other degree criteria are met.

Enrolment Requirements

Enrolment in this 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, MATA22H3, [MATA30H3 or MATA31H3], [MATA36H3 or MATA37H3], MGAB01H3, MGAB02H3, MGMA01H3 and MGTA35H3.

2. Students already pursuing a BBA program and degree may apply to enter the 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 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 or MATA31H3], and [MATA36H3 or MATA37H3]. Students who have taken the sequence [MATA32H3 and MATA33H3] instead of [MATA30H3/MATA31H3 and MATA36H3/MATA37H3] can still apply to the Double Degree program if they are taking or plan to take MATA36H3/MATA37H3 at the time of application and could receive admission conditional on their grade in MATA36H3/MATA37H3 being above a threshold to be specified each year. Note that MATA36H3/MATA37H3 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 re-instatement 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.

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 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~~ [MATA67H3 or CSCA67H3 Discrete Mathematics]

CSCC37H3 Introduction to Numerical Algorithms for Computational Mathematics

MATA22H3 Linear Algebra I for Mathematical 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]

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 **Probability and** Stochastic Processes I
STAC67H3 Regression Analysis
STAD37H3 Multivariate Analysis
STAD57H3 Time Series Analysis

***Note:** MATA37H3 requires the completion of MATA31H3

4. Economics requirements (2.0 credits)

MGEA02H3 Introduction to Microeconomics: A Mathematical Approach
MGEA06H3 Introduction to Macroeconomics: A Mathematical Approach
MGEBO2H3 Price Theory: A Mathematical Approach
MGEBO6H3 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.

**DOUBLE DEGREE: BBA, SPECIALIST (CO-OPERATIVE) PROGRAM IN MANAGEMENT AND FINANCE / HONOURS BSc,
SPECIALIST (CO-OPERATIVE) PROGRAM IN STATISTICS, QUANTITATIVE FINANCE STREAM**

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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 Double Degree Program Directly from High School

Students must complete the following courses in their first year of study: MGTA05H3, MGEA02H3, MGEA06H3, MATA22H3, [MATA30H3 or MATA31H3], [MATA36H3 or MATA37H3], 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, MATA22H3, [MATA30H3 or MATA31H3], and [MATA36H3 or MATA37H3]. Students who have taken the sequence [MATA32H3 and MATA33H3] instead of [MATA30H3/MATA31H3 and MATA36H3/MATA37H3] can still apply to the Double Degree program if they are taking or plan to take MATA36H3/MATA37H3 at the time of application and could receive admission conditional on their grade in MATA36H3/MATA37H3 being above a threshold to be specified each year. Note that MATA36H3/MATA37H3 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 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).

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 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~~ [MATA67H3 or CSCA67H3 Discrete Mathematics]

CSCC37H3 Introduction to Numerical Algorithms for Computational Mathematics

MATA22H3 Linear Algebra I for Mathematical 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]

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 **Probability and** Stochastic Processes I
STAC67H3 Regression Analysis
STAD37H3 Multivariate Analysis
STAD57H3 Time Series Analysis

***Note:** MATA37H3 requires the completion of MATA31H3

4. Economics requirements (2.0 credits)

MGEA02H3 Introduction to Microeconomics: A Mathematical Approach
MGEA06H3 Introduction to Macroeconomics: A Mathematical Approach
MGEBO2H3 Price Theory: A Mathematical Approach
MGEBO6H3 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 Double Degree program Co-op students must take MGTA36H3 prior to commencement of their first work term. Students are advised to consult regularly with the Academic Supervisors, or the Program Director, 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 will be expected to complete a Co-op Work Term Preparation Course (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, MGEA02H3, MGEA06H3, MGAB01H3, MGAB02H3, **MGMA01H3**, **[MGTA35H3 or MGTA36H3]**, MATA22H3, ~~and [MATA30H3 or MATA31H3 or MATA32H3, and MATA33H3]~~, ~~or~~ **and [MATA30H3 and MATA36H3, or MATA37H3, or MATA33H3]**.

b) The Management Co-op Work Term Preparation Course (WTPC): COPD07Y3.

2. For the second work term: 9.0 credits.

3. For the third work term: 11.0 credits.

For information on fees, status in Co-op programs, and certification of completion of Co-op programs, see Section 6B.5 of this Calendar.

Administrative Information

Abbreviated Title:	N/A
Transcript Title:	N/A
Publication:	University of Toronto Scarborough - Calendar
New Section(s): If the discipline section of the Calendar the program currently appears in is changing, then please enter name of new section.	N/A

Proposal Questions - General

Brief Description of the Proposed Changes:

1. Enrolment requirements:
 - MATA31H3 and MATA37H3 added as options for both non Co-op and Co-op
2. Component 3 (Science requirements) for both non Co-op and Co-op:
 - CSCA48H3 deleted as a requirement
 - [MATA67H3 or CSCA67H3] added as a requirement

- MATA31H3 added as an option; MATA30H3 changes from required to option
 - MATA37H3 added as an option; MATA36H3 changes from required to option
 - STAC62H3 – course title is updated
3. Co-op Work-Term Requirements for Co-op
 - MGMA01H3 added to list of courses students must complete prior to first work-term
 - MATA31H3 and MATA37H3 added as optional Mathematics courses

Rationale:

1. MATA31 and MATA37 are being added to the program as options – the enrolment requirements have been revised to reflect this change.
2. CSCA48 has been replaced by [MATA67/CSCA67] because CSCA48 has proven to be an obstacle to student success in the Double Degree; MATA67/CSCA67 is a suitable alternative; MATA31 and MATA37 are being added to provide greater flexibility and options for students;
3. Adding MGMA01 corrects an oversight in the Calendar; MATA31 and MATA37 have been added as options to the program and should be added to the list of courses students must take prior to the first work term.

Impact:

These changes add flexibility to the program, and ensure students have options for pathways to success.

Consultation:

Within the Dept. of Management: DCC approval August 2, 2020 and March 3, 2021

With Dept of Computer and Mathematical Sciences: DCC approval March 2, 2021

Resources

Resource Implications:

none