FOR APPROVAL　　　　　　**PUBLIC**　　　　　　**OPEN SESSION**

TO:	Academic Affairs Committee
SPONSOR:	Amrita Daniere, Vice-Principal Academic and Dean
CONTACT INFO:	905-828-3719, vpdean.utm@utoronto.ca
PRESENTER:	Tara Vinodrai, Director, MUI
CONTACT INFO:	905-569-5711, tara.vinodrai@utoronto.ca
DATE:	February 4, 2020 for February 11, 2020
AGENDA ITEM:	7

ITEM IDENTIFICATION:

Minor Modification: Master of Urban Innovation (MUI): Program & Curriculum Changes

JURISDICTIONAL INFORMATION:

Under section 5.6 of its terms of reference, the Academic Affairs Committee is responsible for major and minor modifications to existing programs and has responsibility for approving amendments to admission policies that are not of major significance to the entire Campus.

GOVERNANCE PATH:

1. **Academic Affairs Committee [For Approval] (February 11, 2020)**

PREVIOUS ACTION TAKEN:

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

HIGHLIGHTS:

The Master of Urban Innovation (MUI) Program is a professional graduate masters program offered through the Institute for Management & Innovation (IMI) at the University of Toronto Mississauga (UTM). The MUI Program is currently accepting applications for their first cohort of students to begin their studies in September 2020. In anticipation of this, the Program is proposing two new course additions, which will also result in a minor program modification.

The first of the two new courses is MUI1075H, Digital Cities. This course will capitalize on the expertise of a new faculty hire who will begin at UTM in July 2020. The course will also serve as a good complement to the second-year elective course, MUI2080H, Intelligent Communities/ Smart Cities. In the near future, additional electives in this area could be developed using Digital Cities as a foundation course. To make room for this new course, the current MUI1070H

Development Finance course will be removed as a program requirement. Because of a shift in direction of the new faculty hire, the MUI Program currently does not have the faculty resources to offer this course, but this will not affect program learning outcomes. Upon review of the program requirements and curriculum, it was determined that degree level expectations and program learning outcomes the Development Finance course would have contributed to are still present and reinforced through the structure and integration of both the required first year elements and the second year elective courses. Content from this course will also be integrated throughout other required and elective courses.

The second new course is MUI1090H, Technology, Strategy, Policy. At the time of program development and proposal, one of the original required courses was MMI1090H Technology, Strategy, Policy – an existing course featured in the Master of Management of Innovation (MMI) Program (also offered through IMI). MMI and MUI students were originally to complete the course together; however, the students will have vastly different backgrounds, knowledge, and experiences going into this course and it was determined that MUI students would be at an academic disadvantage to the MMI students if they were to complete the course together. This proposal will create a separate course offering for Technology, Strategy, Policy that will be for MUI students exclusively. This approach will allow the MUI Program to ensure content and objectives will be effectively targeted to the Program and its students.

Current MUI faculty and administrative staff were consulted during the development of each proposal. Any feedback received has been incorporated into the proposal documents. All proposals were further reviewed by the IMI Curriculum Committee on January 14, 2020 and received full support.

FINANCIAL IMPLICATIONS:

There are no net implications for the campus' operating budget.

RECOMMENDATION:

Be it Resolved,

THAT the new courses proposed by the Master of Urban Innovation, offered by the Institute for Management and Innovation (IMI), recommended by the Vice-Principal Academic & Dean, Professor Amrita Daniere, and described in the proposals dated January 20, 2020, be approved, effective on September 1, 2020.

Be it Resolved,

THAT the program requirement changes as proposed by the Master of Urban Innovation Program, offered by the Institute for Management & Innovation, recommended by the Vice-Principal Academic and Dean, Professor Amrita Daniere, in the proposal dated January 22, 2020, be approved, effective September 1, 2020.

DOCUMENTATION PROVIDED:

Minor Modification Proposal: New Graduate Course (MUI1075H)
Minor Modification Proposal: New Graduate Course (MUI1090H)
Minor Modification Proposal: Change to an Existing Graduate Program

University of Toronto
Minor Modification Proposal:
New Graduate Courses or
Changes to Existing Graduate Courses

This template should be used to: create a new graduate course; reactivate a closed/deactivated course; rename an existing course; renumber an existing course; etc.

If you have questions while you are filling out this document, please contact your Dean's Office.

Graduate Department/Unit/Centre/Institute	Institute for Management & Innovation (IMI)
Faculty/academic division	University of Toronto Mississauga (UTM)
Dean's Office contact	Lori Innes Program & Curriculum Assistant Lori.innes@utoronto.ca Yen Du Program & Curriculum Officer yen.du@utoronto.ca

Part 1: ROSI

Please complete this section. The data will be used to complete the ROSI record.

New Course—fill out all fields	
Course designator and number (e.g., HIS 5XXXH)	MUI1075H
FCE weight (e.g., 0.5, 1.0)	0.5
Full course title for transcript (max 60 characters)	Digital Cities
Abbreviated title (max 30 characters)	Digital Cities
Available via Student Web Services (yes or no)	Yes
Course type (regular, modular, continuous or extended)	Regular
Evaluate* function in ROSI used by unit (yes or no) *university's online course evaluation system	Yes
Online course (yes or no)	No
Required course (yes or no)	Yes
Grading scale (letter grades or CR/NCR)	Letter grades
Course prerequisites; if yes, please list (e.g., HIS 5XXXH)	No
Course credit exclusions; if yes, please list (e.g., HIS 5XXXH)	No

Effective Date

Required Field—Effective date must be September 1, January 1 or May 1 and not retroactive.

September 1, 2020

Part 2: Other Changes to Existing Courses

Optional Field—This section may be used to describe other types of changes to existing courses your Faculty/Division tracks.

Part 3: New Course Documentation

For Faculty/Divisional approval of new courses, please append the approved course documentation, or complete the template below.

Course Description

This course provides an overview of how the emergence of digital technologies are shaped by, and shaping, cities. Students will use case studies to consider the successes and challenges associated with cities in the digital age. Consideration will be given to issues of governance and equity and the roles of public, private and not-for-profit actors.

Academic Rationale

This new course will be introduced as a program requirement for all MUI students, taking the place of the current MUI1070H Development Finance course (see concurrent change in program requirements proposal). It was previously anticipated that a new faculty hire would develop and teach the original MUI1070H Development Finance course; however, a shift in the direction of the new hire has created an opportunity for the MUI Program to introduce a Digital Cities course. This course will not only capitalize on the expertise of the new faculty member, but will also serve as a good complement to the second-year elective course, MUI2080H (Intelligent Communities/Smart Cities) and could serve as a foundation for additional (elective) courses in this area.

Learning Outcomes

By the end of the course, students will be able to:

- Analyze how cities are shaped by and shape digital technologies;

- Analyze the different roles of private, public, and not-for-profit actors in the digital city;

- Compare the outcomes of digitalization in different urban contexts; and

- Assess the relationships between governance and equity outcomes in different urban contexts.

Similarity/Overlap With Other Courses & Consultation

None

Current MUI faculty and administrative staff were consulted during the development of this proposal. The proposal received the support of the IMI Curriculum Committee on January 14, 2020.

Resource Requirements

The course will be taught by a new faculty hire (starting July 1, 2020) as part of their regular teaching load.

Other course requirements include the standard requests for classroom space, a/v equipment and support, etc., that is part of normal course offerings.

Governance Approval

Unit Sign-Off (Committee name and meeting date)	IMI Graduate Curriculum Committee January 14, 2020
Dean's Office Sign-Off (Name and date)	Heather Miller, Vice-Dean Teaching & Learning January 20, 2020
Faculty/Division Council (name and date)	UTM Academic Affairs Committee (AAC)

University of Toronto
Minor Modification Proposal:
New Graduate Courses or
Changes to Existing Graduate Courses

This template should be used to: create a new graduate course; reactivate a closed/deactivated course; rename an existing course; renumber an existing course; etc.

If you have questions while you are filling out this document, please contact your Dean's Office.

Graduate Department/Unit/Centre/Institute	Institute for Management & Innovation (IMI)
Faculty/academic division	University of Toronto Mississauga (UTM)
Dean's Office contact	Lori Innes Program & Curriculum Assistant Lori.innes@utoronto.ca Yen Du Program & Curriculum Officer yen.du@utoronto.ca

Part 1: ROSI

Please complete this section. The data will be used to complete the ROSI record.

New Course—fill out all fields	
Course designator and number (e.g., HIS 5XXXH)	MUI1090H
FCE weight (e.g., 0.5, 1.0)	0.5
Full course title for transcript (max 60 characters)	Technology, Strategy, Policy
Abbreviated title (max 30 characters)	Technology, Strategy, Policy
Available via Student Web Services (yes or no)	Yes
Course type (regular, modular, continuous or extended)	Regular
Evaluate* function in ROSI used by unit (yes or no) *university's online course evaluation system	Yes
Online course (yes or no)	No
Required course (yes or no)	Yes
Grading scale (letter grades or CR/NCR)	Letter grades
Course prerequisites; if yes, please list (e.g., HIS 5XXXH)	None
Course credit exclusions; if yes, please list (e.g., HIS 5XXXH)	MMI1090H

Effective Date

Required Field—Effective date must be September 1, January 1 or May 1 and not retroactive.

September 1, 2020

Part 2: Other Changes to Existing Courses

Optional Field—This section may be used to describe other types of changes to existing courses your Faculty/Division tracks.

Part 3: New Course Documentation

For Faculty/Divisional approval of new courses, please append the approved course documentation, or complete the template below.

Course Description

This course concerns the formulation of business strategy and the management of business enterprises in rapidly evolving, technology-intensive industries. Examples of such industries include (but are not restricted to) pharmaceuticals, computer hardware and software, aerospace, and telecommunications. These sectors are considered by many to be the principal areas for economic growth in industrialized countries. The primary goal of this course is to develop participants' understanding of the forces driving competitive interaction between technology-based firms. The course will examine factors that promote and impede technology firm competitiveness and assess different policy tools and approaches that address the business challenges and social impacts of technology firms.

Academic Rationale

The Master of Urban Innovation (MUI) Program is a new program set to launch with its first cohort of students in September 2020. At the time of program development and proposal, one of the original required courses was MMI1090H Technology, Strategy, Policy, a course featured in the Master of Management of Innovation (MMI) Program (also offered at UTM through the Institute of Management & Innovation, IMI). MMI and MUI students were originally to complete the course together; however, the students will have vastly different backgrounds, knowledge, and experiences for the course and MUI students will be at an academic disadvantage to the MMI students. By offering a new, separate MUI course in Technology, Strategy, Policy, the MUI Program can ensure the course content and objectives will be effectively targeted to the MUI program and its students. Additionally, concerns around space, scheduling, and operational constraints of offering MMI1090H in two programs will be alleviated.

Learning Outcomes

By the end of this course, students will be able to:

- Demonstrate a solid understanding of the forces driving competitive interaction between technology-based firms;

- Analyze the internal and external factors that promote and impede competition between technology-based firms;

- Identify and analyze the business challenges and social impacts of technology-based firms; and

- Assess different policy tools and approaches that address the business challenges and social impacts of technology-based firms.

Similarity/Overlap With Other Courses & Consultation

This course will mirror MMI1090H Technology, Strategy, Policy with respect to course topics and a number of course objectives. As a result, this course will be listed as an exclusion to MUI1090H.

Current MUI faculty and administrative staff were consulted during the development of this proposal. The proposal received the support of the IMI Curriculum Committee on January 14, 2020.

Resource Requirements

Existing faculty will teach the course either as part of their regular teaching load or on overlaod.

Other course requirements include the standard requests for classroom space, a/v equipment and support, etc., that is part of normal course offerings.

Governance Approval

Unit Sign-Off (Committee name and meeting date)	IMI Graduate Curriculum Committee January 14, 2020
Dean's Office Sign-Off (Name and date)	Heather Miller, Vice-Dean Teaching & Learning January 20, 2020
Faculty/Division Council (name and date)	UTM Academic Affairs Committee (AAC)

University of Toronto
Minor Modification Proposal:

Change to an Existing Graduate Program
or Collaborative Specialization

This template should be used to bring forward all proposals for minor modifications to program or admissions requirements for existing graduate programs or collaborative specializations under the University of Toronto's Quality Assurance Process.

Program/Collaborative Specialization being modified:	Master of Urban Innovation (MUI)
Graduate unit:	Institute for Management & Innovation (IMI)
Faculty/academic division:	University of Toronto Mississauga (UTM)
Dean's office contact:	Lori Innes Program & Curriculum Assistant Lori.innes@utoronto.ca Yen Du Program & Curriculum Officer yen.du@utoronto.ca
Version date: (Please change as you edit this proposal.)	January 22, 2020

1 Summary

- Check box for type(s) of change.
- Summarize what the change is, including details about any changes to FCEs.

	Changing admission requirements		Renaming field, concentration or emphasis*
X	Changing program requirements		Renaming of program or collaborative specialization (please notify VPAP before governance)
	Changing timing of program requirements		Creating a new emphasis
			Changes to programs affecting an MOA
Summary: 1. Removal of MUI1070H Development Finance as a program requirement. 2. Addition of MUI1075H Digital Cities as a program requirement, replacing the deleted MUI1070H. 3. Removal of MMI1090H Technology, Strategy, Policy as a program requirement.			

4. Addition of MUI1090H Technology, Strategy, Policy as a program requirement, replacing the deleted MMI1090H.

* Anything with a changed/new name requires consultation with VPAP Office prior to governance; if name change implies significant change to what is being offered or how it is being offered, this may be a major modification or new program.

2 Effective Date of Change

September 1, 2020

3 Academic Rationale

- What are the academic reasons for the change?

The Master of Urban Innovation (MUI) Program is a new graduate professional program set to launch with its first cohort of students in September 2020. At the time of program development and proposal, two courses were included as part of the core required courses in first year – MUI1070H Development Finance and MMI1090H Technology, Strategy, Policy. MUI1070H Development Finance was envisioned to be developed and taught by a new faculty hire in this area. In the end, there was a shift in the direction of the new faculty hire, which has created an opportunity to introduce a course in Digital Cities. This new course will serve as a good complement to the second-year elective course, MUI2080H Intelligent Communities/ Smart Cities and may serve as the foundation for additional elective courses in this area. The existing MUI1070H Development Finance course will be removed as a program requirement as there is no faculty expertise available to take on this course currently. It will, however, remain in the program curriculum (i.e. is not being proposed as a deleted course) and should teaching and faculty resources allow for an appropriate faculty member to teach the course, it can be offered as an elective within the program. At a programmatic level, degree level expectations and program learning outcomes that this course would have contributed to are still present and reinforced through the structure and integration of both the required first year elements and the second year elective courses. Course content integral to fulfilling program learning outcomes that was to be covered in MUI1070H will instead be integrated throughout other required courses, such as MUI1010H Introduction to Management of Urban Innovation, MUI 1060H Local and Regional Government: Management and Policy-making, MUI1080H Economic Development Planning, and MUI2095 Capstone Course. Students will also see these topics and themes in their elective options (for example, MUI2010H Sectoral Analysis, MUI2020H Microeconomics of Competitiveness, MUI2040H Real Estate Development, SSM1080H Strategies for Sustainability Management, GGR1610H Geography of Finance and Financial Crisis, and MUI2090H Public Finance in Canadian Cities).

MMI1090H Technology, Strategy, Policy, is a required course in the Master of Management of Innovation (MMI) Program (also offered at UTM through the Institute of Management & Innovation, IMI). Due to its overlapping subject matter, the MUI Program also added this course to the core curriculum in the first year. MMI and MUI students were originally to complete the course together, however, the students in the two programs will have vastly different

backgrounds, knowledge, and experiences for the course and MUI students will be at an academic disadvantage compared to the MMI students. Therefore, the MUI Program is proposing the replacement of MMI1090H in the program requirements with MUI1090H. MUI1090 will mirror its MMI counterpart in course topics and even have similar course objectives but by offering their own version of the course, the MUI Program can ensure the course content and objectives will be effectively targeted to the MUI program and its students. Additionally, concerns around space, scheduling, and operational constraints of offering MMI1090H in two programs will be alleviated.

4 Impact on Students

- Outline the expected impact on continuing and incoming students, if any, and how they will be accommodated.

Student impact from these program changes is expected to be positive for incoming students. In the case of MUI1090H, they will have a dedicated course that services the MUI program only but will also benefit from the lessons learned by the MMI Program in their years of offering a similar course. For MUI1075H, students will learn first-hand from a faculty member with expertise in this matter and have the opportunity to explore this field further with the second year elective course and any additional electives that stem from this. The removal of MUI1070H is beneficial as it allows the other program requirements to remain unchanged and ensures that the students' ability to carve their own academic pathway and experience in their second year is intact.

With no current students in this new program, there will be no impact to continuing students and no accommodations necessary.

5 Consultation

- Describe any consultation undertaken with the students, faculty, Dean and chair/director. Address any major issues discussed.

Current MUI faculty and administrative staff were consulted during the development of this proposal. The proposal received the support of the IMI Curriculum Committee on January 14, 2020.

6 Resources

- Describe any resource implications of the change(s) including, but not limited to, faculty complement, space, libraries and enrolment/admissions).

No resource implications at the program level, as existing or planned faculty will cover the proposed new courses as discussed in the separate new course proposals.

7 Governance Approval

Unit sign-off (Committee name and meeting date)	IMI Graduate Curriculum Committee January 14, 2020
Dean's office sign-off (Name and date)	Heather Miller, Vice-Dean Teaching & Learning January 22, 2020
Faculty/division council approval (or delegated body) if applicable	UTM Academic Affairs Committee (AAC)

Appendix A: Calendar Entry

Please indicate where changes have been made (highlight inserted text; strikethrough deleted text).

Master of Urban Innovation

This program will start on September 1, 2020.

Program Description

The Master of Urban Innovation (MUI) is a full-time, professional program that will encompass studies in urban economic development, community capacity building, innovation management, local and regional governance, urban sustainability, and real estate development for innovation. The MUI will complement the suite of programs in management, innovation, and sustainability currently offered in the Institute for Management & Innovation and will build on the strengths of other key academic units at UTM, including the Departments of Geography, Economics, and Political Science, and the Institute of Communication, Culture, Information and Technology.

The objective of the MUI program is to respond to the growing job opportunities that exist for professionals trained in the fields of urban economic development and innovation through a cross-disciplinary approach. Upon graduation, MUI students will have acquired the analytical tools to enable them to produce effective economic development policies and plans, including a detailed knowledge of strategic management techniques, the role of real estate markets in local economic development, and critical tools for financial analysis.

Minimum Admission Requirements

- Applicants are admitted under the General Regulations of the School of Graduate Studies. Applicants must also satisfy the Institute for Management & Innovation's additional admission requirements stated below.
- An appropriate bachelor's degree from a recognized university in social sciences, management/commerce, or a related field such as architecture or civil engineering, with a standing equivalent to a mid B in the final year of the program.
- Successful completion of 0.5 full-course equivalent (FCE) in an undergraduate statistics course.
- Letter of intent.
- Three letters of reference.
- A writing sample.

Program Requirements

- Students must complete a total of **9.5 FCEs** as follows:
  - 4.5 FCEs from ~~other~~ core courses (MUI 1010H, MUI 1020H, MUI 1030H, MUI 1040H, MUI 1050H, MUI 1060H, ~~MUI 1070H~~, MUI 1075H, MUI 1080H, MUI 1090H)
  - 0.5 FCE summer internship (MUI 1100H)
  - 0.5 FCE capstone group project (MUI 2095H)
  - 4.0 FCEs chosen from the preapproved elective listing. It is recommended that a minimum of 2.0 FCEs be completed from one of the three groupings. The remaining 2.0 FCEs can come from any of the course groupings.

Program Length

6 sessions full-time (typical registration sequence: F/W/S/F/W/S)

Time Limit

3 years full-time