DATE:  Monday 9 April 2018  Chair – J. Casello
TIME:  10:30 a.m. – 12:00 noon
PLACE:  Needles Hall, Room 3318

AGENDA

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* material attached
** to be distributed separately
“SGRC” to be approved on behalf of Senate
“SEN” to be recommended to Senate for approval

4 April 2018
Kathy Winter, PhD, CPsych
Assistant University Secretary
### 8. Declarations of conflict of interest

| 8.01 | At the beginning of each meeting of Senate or any of Senate’s committees or councils, the chair will call for members to declare any conflicts of interest with regard to any agenda item. For agenda items to be discussed in closed session, the chair will call for declarations of conflict of interest at the beginning of the closed portion of the meeting. Members may nonetheless declare conflicts at any time during a meeting. |
| 8.02 | A member shall be considered to have an actual, perceived or potential conflict of interest, when the opportunity exists for the member to use confidential information gained as a member of Senate, or any of Senate’s committees or councils, for the personal profit or advantage of any person, or use the authority, knowledge or influence of the Senate, or a committee or council thereof, to further her/his personal, familial or corporate interests or the interests of an employee of the university with whom the member has a marital, familial or sexual relationship. |
| 8.03 | Members who declare conflicts of interest shall not enter into debate nor vote upon the specified item upon which they have declared a conflict of interest. The chair will determine whether it is appropriate for said member to remove themselves from the meeting for the duration of debate on the specified item(s). |
| 8.04 | Where Senate or a committee or council of Senate is of the opinion that a conflict of interest exists that has not been declared, the body may declare by a resolution carried by two-thirds of its members present at the meeting that a conflict of interest exists and a member thus found to be in conflict shall not enter into debate on the specified item upon which they have declared a conflict of interest. The chair will determine whether it is appropriate for said member to remove themselves from the meeting for the duration of debate on the specified item(s). |
Present: Raouf Boutaba, Robert Bruce, Thomas Bury, Jeff Casello, Tara Collington, Emily Cyr, Charmaine Dean, Bernard Duncker, Rhona Hanning, Anwar Hasan, Bruce Hellinga, Julie Joza, Lynn Judge, Raymond Legge, Christiane Lemieux, Bruce Muirhead, Kirsten Müller, Alice Raynard (secretary), Simron Singh, Jackie Stapleton, Takin Tadayon, John Thompson, Linda Warley

Resources: Trevor Clews, Jennifer Kieffer, Amanda McKenzie

Guests: Lilia Krivodonova (4d), Mark Oremus (4a), Ian Vanderbergh (4d)

Regrets: Jeremy Bergen*, Claude Duguay, Daniel Martel, Max Salman, Richard Staines, Mike Szarka, Aaron Thompson

Organization of Meeting: Charmaine Dean, co-chair of the council, took the chair, and Alice Raynard acted as secretary. The secretary advised that due notice of the meeting had been given, a quorum was present, and the meeting was properly constituted.

1. DECLARATIONS OF CONFLICT OF INTEREST
No conflicts of interest were declared.

2. MINUTES OF 15 JANUARY 2018 AND BUSINESS ARISING
The minutes were approved as distributed. Judge and Müller. Carried.

3. CO-CHAIRS’ REMARKS
Casello updated council on Tri-Council designated NSERC master’s scholarship; recipients’ names to be disclosed in April. As well, Casello informed council that his office is to generate shortly a report and an action plan about domestic Master’s candidates, along with a summary of funds to support the students. The report on student mental health has been made available; council should discuss the role of supervisors in the well-being of students. Dean agreed with Co-Chair and encouraged members to attend the mental health forum on March 14. Dean informed the council that Vector Institute has established a working group to develop minimum specifications for artificial intelligence programs that are eligible for financial support from that Institute, starting with specifications for existing programs. The working group will include five representatives from Ontario universities to be identified in partnership with the Council of Ontario Universities, three representatives to be drawn from the three Ontario universities at which Vector has faculty: the University of Toronto, the University of Waterloo, and the University of Guelph, two representatives from Vector’s industry sponsors, two representatives from the health sector, one member from the Council of Ontario Universities, one representative from the Ministry of Advanced Education and Skills Development, one representative from the Ministry of Research, Innovation and Science / Economic Development and Growth, and the Incoming Head, Academic Partnerships, Vector (non-voting contributor). UW's representative is Paul Fieguth, the Chair of Systems Design Engineering. A conversation about the specifications of the programs at UW, to be used as a model for Vector, will happen in March and will be facilitated by Christiane Lemieux. Dean also informed council that the workplan associated with the CRC Equity Action Plan has been developed and is now posted at the Office of Research (OR) website. Over the next weeks, the Vice-President, Research (VPR) will be holding meetings with the President, Provost, Deans, Human Resources, the Equity Office and staff in the OR reminding them of their specific responsibilities regarding the workplan. Additionally, the VPR office has also provided incentives for admission of new domestic PhD students. Each Faculty has been provided five awards valued at $5,000 to match or provide additional exceptional doctoral awards to those provided by the Faculties to be used as incentives to secure excellent new domestic PhD students. Deans have been made aware of these doctoral awards.
4. CURRICULAR SUBMISSIONS
   a. AHS. Council heard a motion to recommend to Senate new graduate diplomas in epidemiology, work and
environment, health program evaluation, health informatics, health promotion, and global health. Hanning and
Hellinga. Carried. Dean mentioned that a discussion should take place around the number of courses; Casello to
follow up.
   b. Arts. Council heard a motion to approve, as presented, (a) a program revision in Economics, (b) new courses in
Economics, (c) a revised course description in the Master of Digital Experience Innovation, (d) a course revision in
the Master of Public Service, and (e) a course inactivation in Psychology. Warley and Bruce. Carried.
   c. Engineering. Council heard a motion to approve, effective Spring 2018, the renumbering of courses for the new
MEng Diploma, the addition of courses to the list of electives for the MASe-QI program, and the addition of
courses to the list of Electrical and Computer Engineering core courses. Hellinga and Tadayon.
Council heard a motion to recommend to Senate three new Type 2 graduate diplomas in the Master of Engineering
program. Hellinga and Hasan. Carried.
   d. Mathematics. Council heard a motion to recommend to Senate the introduction of a co-op option in the Master
of Mathematics in Applied Mathematics. Lemieux and Judge. Carried.
Council heard a motion to approve course inactivations, the removal of inactivated courses in the category and area
table, the addition of a course to the area table, and the creation of topic courses in Computer Science. Lemieux
and Boutaba. Carried.
Council heard a motion to approve changes to the admission requirements for the Master of Mathematics for
Teachers (MMT) (which included a friendly amendment to remove items #3 from page 127 of the agenda
package), course revisions and one course inactivation for CEMC, as well as the removal of courses from
Computational Mathematics. Lemieux and Boutaba. Carried.
Council heard a motion to approve changes in the description of the degree requirements for the Pure Mathematics
Master’s program (research essay and thesis options) and a change of wording of the three degree requirements for
the PhD program. Lemieux and Müller. Carried.

5. OFFICE OF RESEARCH
Council heard a motion to approve membership changes, as presented. Joza and Murihead. Carried.

6. GRADUATE AWARDS
Council heard a motion to approve items (a) and (d). Legge and Warley. Carried. Council received items (b) and
(c) for information.

7. OTHER BUSINESS
There was no other business.

8. NEXT MEETING
The next meeting will be on Monday 9 April 2018 from 10:30 a.m. to 12 noon in NH 3318.

23 March 2018

Alice Raynard
Associate University Secretary
MEMORANDUM

To: Charmaine Dean, Vice-President, University Research
From: Christiane Lemieux, Associate Dean Graduate Studies, Faculty of Mathematics
Subject: Vector Institute 1000AIMs Initiative
Date: March 29, 2018

Members of the Vector Institute have been on campus a few times already this year to discuss the 1000 AIMs initiative, which refers to the goal set by the provincial government to train 1000 Applied Artificial Intelligence Masters by 2022. The University of Waterloo is anticipated to be an important partner in this initiative. A provincial-wide committee is currently developing minimum specifications (or “min specs”) required for graduate programs to be “recognized” by the Vector Institute as training AIMs. New programs currently being developed in the Faculties of Engineering and Mathematics are expected to sufficiently align with the broadly defined field of Artificial Intelligence to be recognized by Vector as “core technical AI-related.” Existing programs may be modified (for example by introducing options, specializations, or Type 2 Diplomas), so they can contribute toward this initiative as well.

It is worth noting that the Vector Institute is interested not only in supporting “core technical AI-related” programs but also what they call “complementary AI-related” programs in other fields to contribute to this training initiative. Here the goal is to train students with complementary knowledge and skills who will work effectively on interdisciplinary teams to help design and implement practical AI-related solutions.

Eventually, these new programs and program modifications will need to be approved by the University. The context within which these programs are created or modified is an important and relevant piece of information to make available to those involved in this approval process. This document is a step in that direction.

In particular, an important point to mention is that in these recent meetings with the Vector Institute, there has been some discussion about the most promising mechanisms by which universities could receive the funding necessary to increase their training capacity. This is particularly important because it is expected that programs created or adapted to contribute to this training initiative are likely to generate levels of enrollment that would result in the institution exceeding the upper bounds of its funding corridor as established in the new provincial university funding model.

Representatives from MAESD who have met with Vector have suggested that rather than allowing for additional seats to be funded above the participating universities’ corridors, universities creating new programs should instead be encouraged to set tuition at full cost-recovery to make up for lack of provincial grant funding for enrollments that fall outside the
corridor. The funding model expected for new programs contributing to the 1000AIMs initiative, therefore, is through full cost-recovery tuition fees.

The provincial funding of $30 million that the Vector Institute has received to help support this 1000AIMs initiative is intended to be used primarily for student scholarships, although Vector appears to be open to considering other options. These scholarships would alleviate the cost of enrolling in these programs for trainees.

In addition to these scholarships, programs supported/recognized by Vector are expected to provide more employment opportunities to students, because the Vector Institute has many industrial partners seeking students to hire for internships and permanent positions. Graduates from core technical AI-related programs are expected to be in high demand and offered competitive starting salaries in the range of $80-$120k.

As the “min specs” are developed, and as discussions with MAESD regarding tuition for programs associated with this initiative evolve, myself or other colleagues who have the most updated information will continue to share with SGRC and others on campus.
This is coming to SGRC for information, discussion, and comment. SGRC offers a cross-campus forum for discussion prior to formal consideration and action at Senate. The proposal is:

That the University of Waterloo change the name of the Conrad Business, Entrepreneurship and Technology Centre to the “Conrad School of Entrepreneurship and Business” within the Faculty of Engineering and that it be granted formal status as an academic unit.

Background

In 2002, the UW Senate created what is now the Conrad Business, Entrepreneurship and Technology Centre to deliver the Masters of Business, Entrepreneurship and Technology (MBET), and to “provide a focal point for the development and coordination of UW’s business activities”. It was created as a Centre because, at that time, among other considerations, the university saw it as a way for the unit to exist outside of a faculty and therefore serve the whole university.

After Conrad’s founding, UW changed the governance model for research centres, putting Conrad offside the new rules and regulations with respect to offering academic programs and appointing faculty. Further, it became clear that Conrad needed to be brought inside a faculty to ensure appropriate academic oversight and procedure. In 2005, Conrad moved inside of engineering, but its cross-campus mandate remained unchanged.

Over the years, Conrad has grown considerably in size, scope, and impact. It now offers full and part-time MBET programs, a graduate diploma, a cross-campus undergraduate minor, an undergraduate option in Engineering, electives for MEng students and undergrads alike. A proposal for a new doctoral program is in development. Conrad now touches well over 1,000 students a year. At the undergraduate level, approximately 50% are from Engineering, approximately 20% from math, and the remainder from the other six faculties. As Conrad’s profile has grown, the proportion of undergraduate students from engineering has been in decline (but not the absolute number). We think the proposed change will also help us to raise our profile and therefore serve interested UW students even better.

What this change does and does not do

This motion is essentially “governance housekeeping”. It does not change any of Conrad’s activities, or the nature of its mandate. It simply moves Conrad back “onside” with UW governance rules so that it can meet Policy 76 and 77 requirements with respect to its growing faculty (among others).

Conrad must become either a department or a school. Remaining a centre is not an option. At UW the only differences between a department and a school are the name and the title of its head (Director vs. Chair). As with other units from other faculties that have recently become schools, the term school is seen as more appropriate given our professional focus and our external competitive landscape.

Conrad remains deeply committed to being a resource for students in every faculty, and working cooperatively and collaboratively with partners across campus.
CONRAD SCHOOL OF ENTREPRENEURSHIP AND BUSINESS PROPOSAL

BACKGROUND

The Conrad Business, Entrepreneurship and Technology Centre (Conrad) is a successful academic enterprise at University of Waterloo. For the last 15 years it has offered a truly unique, high-value professional masters degree (MBET). In its most recent external review, MBET was characterized as “innovative and evolving in line with the newest approaches to both Entrepreneurship and Intrapreneurship, not only in Canada but worldwide.”

More recently, Conrad has begun offering:

- a Graduate Diploma in Business and Entrepreneurship;
- a Weekend version of its unique MBET that has attracted a large inaugural class;
- graduate courses in business and entrepreneurship that attract hundreds of Engineering’s professional masters students every year,
- a ground-breaking online introductory entrepreneurship course (BET100),
- the innovative Bridging Entrepreneurs to Students (BETS) program that provides work experience to unplaced co-op engineering students while accelerating start-up activities at UW and in the region,
- an Enterprise Co-op program that has more than tripled in size since Conrad assumed its leadership; and
- the university’s new undergraduate option and minor programs in entrepreneurship – open to all UW students regardless of discipline.

A proposal for a unique doctoral program in entrepreneurship is also in the formal planning stages.

Conrad’s undergraduate courses and programs are made available to students from every faculty, permitting entrepreneurial students from every discipline to pursue exciting real-world applications of their disciplinary studies. Proposals are in development for how Conrad might also play a similarly valuable role in supporting the education and aspirations of graduate students across campus as well as the research commercialization activities of faculty and doctoral students. Conrad is a going concern that has been rapidly growing in size and scope.

When established by the University of Waterloo’s senate, Conrad’s mandate was “… to provide a focal point for the development and coordination of UW’s business activities…”, including MBET, the development of undergraduate programming, supporting the expansion of business offerings across campus, serving as a focal point for entrepreneurship research activities, and engaging with the business community and external stakeholders through outreach programming.
When Conrad was first formed to offer the MBET degree, it took the form of a university research centre. This was done, in part, to allow it to exist outside the faculties in order to be true to its senate-approved, university-wide mandate to serve all faculties. Over time, it became clear that a unit offering academic programming of this kind was most appropriately situated inside a faculty given UW’s governance structures and, in 2005, Conrad became a unit inside of Engineering. It’s university-wide mandate, however, remained and remains unchanged.

Under current UW governance policies and practices, research centres should not be offering degree programs or for-credit courses, and cannot technically appoint faculty. Further, they lack the requisite formal structures to facilitate the tenure and promotion practices of UW – an increasingly pressing issue that needs to be resolved for Conrad. (Policies 76 & 77)

In order to bring Conrad’s formal structure in line with its mandated and actual activities, Conrad must become either a School or a Department within its faculty. In many respects, the proposal here represents a kind of governance “house keeping”. It represents no material change in Conrad’s activities.

PROPOSAL AND RATIONALE

*It is proposed that the Conrad Business, Entrepreneurship and Technology Centre become the Conrad School of Entrepreneurship and Business.*

The easiest name change would involve simply changing “Centre” to “School”. However, Conrad and the Faculty of Engineering are mindful that it might be problematic to have the sequence “School of Business” in Conrad’s name given the broad nature of business activities at the university, and we want to continue to position Conrad as a uniquely entrepreneurial entity.

School status is seen to be more appropriate to Conrad’s activities, more helpful to its future aspirations, as well as more appropriate to its role in both the faculty’s and the university’s strategic agendas than department status. There is a robust set of reasons to draw this conclusion:

- The University of Waterloo has a number of schools that are housed within faculties: School of Accounting and Finance (Arts), School of Public Health and Health Systems (Applied Health Sciences), School of Optometry and Vision Science (Science), School of Pharmacy (Science), School of Architecture (Engineering), School of Environment, Enterprise and Development (Environment), School of Computer Science (Math), and the School of Planning (Environment). Each of these schools share a common focus on professional rather than purely academic and disciplinary activities and pursuits. Conrad clearly also has this characteristic focus. Further, as a measure of current thinking, the rationales used most recently in the establishment of both SEED and the School of Environment, Resources and Sustainability align closely.
with Conrad’s situation. The scope of Conrad’s operations is, additionally, similar to those of the School of Architecture, SEED and the School of Environment, Resources and Sustainability when they were conferred with school status.

• School status offers a signal to the outside world of the importance of such professional entrepreneurship education programming to the university’s strategic plan.

• Consistent with the rationale most recently offered for the School of Environment, Resources and Sustainability, almost all of Conrad’s competitors are “schools”.

• As with all the other schools at the University of Waterloo, school status will be helpful in marketing Conrad and the University’s activities in the existing marketplace for such programming.

• Out of necessity and as part of its strategic positioning for UW, Conrad has built up a variety of structures and activities that are more consistent with UW practice in its schools, and less so in its departments. For example, Conrad has received a significant naming gift from the Conrad family that is similar in nature to the Cheriton School gift. Given the unique market it serves, Conrad also invests in its own specialized marketing and communications activities and staffing like Accounting and Finance.

Changing Conrad to a school is also consistent with the recommendations of the Ministry of Colleges and University’s external review of Conrad’s graduate programs in 2012, its accepted 2015 update to Senate, and the Engineering Faculty’s Vision 2015 plan. Indeed, this change of status is one of the last remaining items on Conrad’s last approved strategic planning agenda.

Conrad’s faculty and staff see this as a critical step in achieving their objectives and advancing their mission. Their Engineering Faculty Council colleagues offered their formal and unanimous support of the proposal.

Respectfully Submitted,

J. Mark Weber  
Eytan Director  
Conrad Business, Entrepreneurship and Technology Centre

Pearl Sullivan  
Dean  
Faculty of Engineering
To: Jeff Casello - Associate Vice-President, Graduate Studies and Postdoctoral Affairs

From: Kathy Winter - Secretary, Senate Graduate & Research Council

Date: 4 April 2018

Subject: Curricular Submission - Arts

Dear Jeff,

Thank you for the attached curricular submission from the Faculty of Arts to be added to the agenda package for 9 April 2018 Senate Graduate and Research Council.

Council will recall that this item from the Department of Economics (to create an Academic Pathway agreement with Shanghai University of Finance and Economics (SUFE)) was removed from the Senate Graduate and Research Council agenda during the 15 January 2018 meeting, where it had appeared as item 5a (item b).

Yours sincerely,

Kathy

Kathy Winter, Ph.D., C.Psych.
Privacy Officer and Assistant University Secretary
Secretariat, University of Waterloo
ADMISSIONS PATHWAY AGREEMENT

BETWEEN

UNIVERSITY OF WATERLOO
CANADA

AND

SHANGHAI UNIVERSITY
OF FINANCE AND ECONOMICS
CHINA
ADMISSIONS PATHWAY AGREEMENT

BETWEEN

UNIVERSITY OF WATERLOO, a university established by an Act of the Legislature of the Province of Ontario, with its main campus located at 200 University Avenue West, Waterloo, Ontario, N2L 3G1, Canada. (“Waterloo”)

AND

SHANGHAI UNIVERSITY OF FINANCE AND ECONOMICS of 777 Guoding Road, Shanghai, 200433, China. (“SUF”) 

WHEREAS, Waterloo and SUFE (singularly an “Institution”, or collectively the “Institutions”) are motivated by a common interest to collaborate on education and research, and to facilitate the participation of students from SUFE in the master’s degree program in Economics at Waterloo.

AND WHEREAS, the Institutions have discussed the furtherance of these interests at the highest levels and now wish to record their mutual understanding in this regard.

NOW THEREFORE the Institutions agree to enter into this Agreement (the “Agreement”).

1 General

1.1 The Department of Economics at Waterloo and the School of Economics at SUFE enter into this Agreement to establish an Admissions Pathway into the Waterloo master's degree program in Economics, henceforth to be known as the "SUF – Waterloo Graduate Admissions Pathway” (“SWGAP”).

2 Definitions

2.1 The following terms define the stages each student will progress through in the SWGAP.
2.2 “Students” refers to students who have not yet been admitted to Waterloo for Part Two of the SWGAP.

2.3 “Candidates” refers to students who have completed all admission requirements and who are formally enrolled at Waterloo as part of the SWGAP.

3 Admissions Pathway Design

3.1 Waterloo and SUFE will jointly establish the SWGAP. The SWGAP is a graduate-level degree Admissions Pathway consisting of two parts, with Part One implemented at SUFE, and Part Two implemented at Waterloo. For Part One, Students to the SWGAP study one foundational year at SUFE, after which these Students may seek admission to Waterloo. Once admitted to Waterloo, the Candidate will study for between eight months and two years at Waterloo, depending on the Master of Arts (“MA”) option chosen. Upon successful completion of all the academic requirements at Waterloo, Candidates are granted an MA in Economics by Waterloo. SUFE will not grant degrees under this Agreement to Candidates in the SWGAP.

3.2 SUFE will be solely responsible for administering Part One of the SWGAP. Waterloo will be solely responsible for the design and administration of Part Two of the SWGAP, including its curriculum and teaching methodology. Promotion and marketing of the SWGAP is the responsibility of SUFE. Waterloo shall provide permission to SUFE to use its logo, trademarks and publications to market the SWGAP. SUFE shall send copies of all advertisements to Waterloo for approval before actual use.

3.3 Part One of the SWGAP, the foundational year, shall be one- or two- semesters long, depending on the individual progress of each Student. Part One shall consist of three components:

(a) English language proficiency training courses (listening, speaking, reading, and writing);

(b) preparatory knowledge training, including microeconomics, macroeconomics, econometrics, and mathematical economics; and
(c) North American education orientation and introduction to Canadian culture. Students shall be introduced to Waterloo teaching methods.

   i. Note that the preparatory courses in econometrics, microeconomics, and macroeconomics are taught at an advanced undergraduate level. Waterloo will provide SUFE with an outline of the expected topics that should be mastered in these preparatory courses.

3.4 Part Two of the SWGAP consists of the application, admission, and enrolment of Students in one of the following master’s programs at Waterloo:

   Master of Arts (MA) in Economics
   Master of Arts (MA) in Economics-Co-operative Program
   Master of Arts (MA) in Economics, Collaborative Water Program

   (a) The Associate Chair for Graduate Studies in Economics will provide guidance to incoming Students as to which of these three MA program options Students should enroll into under the SWGAP.

3.5 Upon successfully completing the master’s program, SWGAP Candidates will receive an MA in Economics from Waterloo. SUFE will not grant degrees under this Agreement to Candidates in the SWGAP.

4 English Language Proficiency

4.1 SUFE shall assist SWGAP Students in meeting the English language proficiency requirements established by Waterloo for admission. SUFE shall provide English language proficiency training that is designed to help the SWGAP Students prepare for the TOEFL or IELTS exams.

4.2 English language proficiency requirements are given on the Waterloo webpage entitled English Language Proficiency which is found at:

   https://uwaterloo.ca/graduate-studies-academic-calendar/general-information-and-regulations/english-language-proficiency.

4.3 If academically admissible, and at the discretion of Waterloo, Students who do not
meet the English Language Proficiency requirements may be conditionally admitted
to a future term at Waterloo, after successfully completing Level 400 of the English
for Academic Success (EFAS) program at Renison University College. Students may
take either the regular spring program or the six-week intensive summer program.
Successful completion requires an overall average of 75% in the EFAS program. The
EFAS program is described here:
https://uwaterloo.ca/english-language-institute/programs/academic-english

4.4 It is recommended that even those Students who meet the English Language
Proficiency requirements should participate in the EFAS program prior to beginning
full-time studies.

5 Application process

5.1 The Institutions acknowledge that the application process consists of two steps.

(a) Step One: Students apply to SUFE for admission to Part One of the SWGAP.

(b) Step Two: Students currently in Part One of the SWGAP and studying at SUFE,
apply for admission to Part Two at Waterloo.

(c) Regarding Steps One and Two:

   i. Students must meet the application deadlines at both institutions.

   ii. Students must satisfy the application and admission requirements at both
institutions.

(d) Regarding Step Two:

   i. SUFE will determine when the Student is ready to apply to Waterloo and
will assist the Student through the application process as part of the
SWGAP.

   ii. Students’ applications from SUFE will be given careful attention in
assessing their admission to Waterloo. Waterloo recognizes the caliber of
instruction and education gained by the Students at SUFE.
5.2 If selected by Waterloo, Students will be notified by Waterloo of conditional admission through an offer letter, which will be conditional upon all admission requirements as set out below. Waterloo will notify the Designated Representative at SUFE of the names of all those Students who have been made a conditional or unconditional offer of a place by Waterloo.

5.3 For any Students who are admitted to Waterloo but unable to acquire the appropriate immigration documents to enter Canada in time for Fall enrollment, their admission shall be deferred to the next Fall. Waterloo shall make all admission decisions in the Application Process from Step Two onwards in the SWGAP.

6 Recruitment target

6.1 SUFE and Waterloo will negotiate annual Student recruitment targets for the SWGAP. An initial target will be established of five (5) prospective Candidates to be recruited and trained at SUFE in the Fall 2018 semester and enrolled at Waterloo for the Fall 2019 semester.

7 Admission requirements at Waterloo

7.1 To be admitted to Waterloo for the SWGAP, Students shall have:

(a) obtained a four year Bachelor's degree in China from a recognized university with a minimum overall average of 80%;

(b) completed Part One of the SWGAP at SUFE, having successfully passed all courses each with a minimum average grade of 75% and no individual course with a grade of less than 70%; and

(c) satisfied the English Language Proficiency requirements as detailed under clause 4 English Language Proficiency.

7.2 The Institutions acknowledge that all offers of admission are at the discretion of the Designated Representative at Waterloo.
8 Tuition and Incidental Fees

8.1 The Candidate shall pay tuition fees to the Institution at which they are in residence during the academic term. The Candidate will only be required to pay fees to one Institution at a time.

8.2 The Candidate shall pay Waterloo tuition fees for international students, plus incidental fees, during their residence at Waterloo. International fees at Waterloo are specified on the Waterloo website: https://uwaterloo.ca/finance/student-financial-services/tuition-fee-schedules

9 Health Coverage and Insurance

9.1 Candidates shall maintain appropriate health insurance (and other insurance, if required) at each Institution during their time of residence.

9.2 All international Candidates studying at Waterloo are required to enrol in, and maintain coverage through, the University Health Insurance Plan (UHIP) and Waterloo’s Supplementary Student Health Insurance Plan (SSHIP) available through the Federation of Students/Graduate Students Association (FEDS/GSA) Health and Dental Plan during the period of residence at Waterloo.

10 Financial Support

10.1 Each Institution will provide a letter to the Candidate, indicating any financial support offered. In addition, the Candidate, while resident at an Institution, is entitled to apply for any scholarship or bursary funds for which they are eligible.

11 Student Status

11.1 Once admitted to Waterloo, Candidates registered at Waterloo pursuant to this Agreement will be governed by current Waterloo policies. Waterloo’s decision in respect of any academic judgment relating to its programmes shall be final.

12 Counterparts
12.1 This Agreement may be executed in two or more counterparts, each of which shall be deemed an original, but all of which shall constitute one and the same instrument. In the event that any signature is delivered by facsimile transmission or by e-mail delivery of a PDF file, such signature shall create a valid and binding obligation of the signatory (or on whose behalf such signature is executed) with the same force and effect as if such facsimile or PDF signature page were an original thereof.

13 Renewal, Modification, or Termination of Agreement

13.1 This Agreement is effective upon final signature below and shall continue in effect for a period of one (1) year. The Agreement shall renew automatically from year to year for additional one (1) year terms unless written notice of cancellation or modification is provided. This Agreement may be modified upon mutual written agreement of the Institutions. This Agreement can be cancelled by either Institution. Written notice of cancellation shall be provided by one Institution to the other Institution prior to April 30 in that year. The cancellation shall not affect the status of the Candidates who are in the process of application or enrolled at SUFE prior to the cancellation date.

14 News Releases

14.1 Any public announcements or news releases resulting from this Agreement should be coordinated with Waterloo’s Office of Marketing and Strategic Initiatives and SUFE’s Center of Study and Exchange at School of Economics.

15 Designated Representatives

15.1 Each Institution will appoint Designated Representatives for co-ordination and administration of this Agreement. The Institutions may change their Designated Representatives at any time by providing written notice.

The Designated Representative for Waterloo is:

Dr. Jeff Casello
Associate Vice-President, Graduate Studies and Postdoctoral Affairs
The Designated Representative for SUFE is:

Dr. Guoqiang Tian  
Dean of School of Economics  
Shanghai University of Finance and Economics  
111 Wuchuan Road, Shanghai, China, 200433  
Telephone: (+86) 021-6590 4909  
Email: gtian@mail.shufe.edu.cn

16 Dispute Resolution

16.1 Any disputes in connection with this Agreement should be settled by negotiation between the Institutions through their Designated Representatives.

17 Indemnification

17.1 Each Institution shall at all times indemnify and hold harmless the other against all claims, actions, loss, or damage arising from the indemnifying Institution's performance or lack of performance under the Agreement or the acts of commission or omission of its employees, agents or students while carrying out this Agreement.
In signing hereunder, the Signatories affirm their legal authority to bind their respective Institutions into, and execute, this Agreement, made in two (2) copies, on the dates shown hereunder.

UNIVERSITY OF WATERLOO

per: ____________________________  date: ______________
    Dr. Feridun Hamdullahpur
    President & Vice-Chancellor

per: ____________________________  date: ______________
    Dr. Jeff Casello
    Associate Vice-President, Graduate Studies and Postdoctoral Affairs

per: ____________________________  date: ______________
    Dr. Ian Rowlands
    Associate Vice-President, International

per: ____________________________  date: ______________
    Dr. Douglas Peers
    Dean, Faculty of Arts

SHANGHAI UNIVERSITY OF FINANCE AND ECONOMICS

per: ____________________________  date: ______________
    Dr. Guoqiang Tian
    Dean, School of Economics
GRADUATE STUDIES COMMITTEE REPORT

FACULTY OF ENVIRONMENT

REPORT TO SENATE GRADUATE AND RESEARCH COUNCIL

April 9, 2018
Table of Contents

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      i) ENBUS 652, Business and Climate Change 1
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3. Course Inactivations for Approval
   A) Geography and Environmental Management
      i) GEMCC 621, Advanced Climate Change Adaptation 4
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      iii) ERS 670, MES Research Development - revised inactivation date from Winter 2018 to Spring 2018 11
Faculty: Environment  
Effective term: Term/Year Winter 1 May 2018

Course ☒ New ☒ Revision ☐ Inactivation ☐
Milestone ☐ New ☐ Revision ☐ Inactivation ☐

New milestone title: Choose an item.

For course revisions, indicate the type(s) of changes:
*e.g. consent, description, title, requisites*

Course Subject code: ENBUS  
Course number: 652
Course Title (max. 100 characters incl. spaces): Business and Climate Change
Course Short Title (max. 30 characters incl. spaces): Business and Climate Change
Grading Basis: NUMERICAL
Course Credit Weight: 0.50
Course Consent Required: ☐ Choose an item.

Course Description:
This course examines the intersection of business management, climate change, and the evolving policy environment within which mitigation and adaptation occurs. A Canadian lens is applied to understanding climate change business economics, the changing policy and regulatory landscape at the international, national and provincial level, the ways in which a price on carbon and the need to disclose carbon and climate risk can affect business decision-making, and the various opportunities for companies to reduce their carbon footprint to operate in emerging low-carbon economies, make their business more resilient to the impacts of climate change, and identify value-creation opportunities. Leadership cases from businesses worldwide will be explored, including multi-nationals and small and medium sized enterprises.

New course description (for revision only):
Meet Type(s): Lecture  Choose an item. Choose an item. Choose an item.
Primary Meet Type: Lecture

Note: online course

Requisites:

Special topics course: Yes ☐ No ☒
Cross-listed: Yes ☒ No ☐

Course Subject(s) to be cross-listed with and approval status: GEMCC650; GEM meeting Nov 24/17

Sections combined/heldwith:

Rationale for request: This course is one of five fully online courses for a future online Type 2 graduate diploma in Climate Risk Management (expected launch, subject to MAESD approval, Fall 2018). The course will be made available before the launch of the graduate diploma as a Master of Climate Change (MCC) elective and a Master of Environment and Business (MEB) elective.

Prepared by: Teresa Wilson  
Date: 20-Nov-17
Faculty: Environment
Effective term: Term/Year Winter 2018

Course ☒ New ☒ Revision ☐ Inactivation ☐
Milestone ☐ New ☐ Revision ☐ Inactivation ☐

New milestone title: Choose an item.

For course revisions, indicate the type(s) of changes:
(e.g. consent, description, title, requisites)

Course Subject code: GEMCC Course number: 675
Course Title (max. 100 characters incl. spaces): Selected Topics in Climate Change
Course Short Title (max. 30 characters incl. spaces): Selected Topics in Climate Change
Grading Basis: NUMERICAL
Course Credit Weight: 0.50
Course Consent Required: ☒ Choose an item.

Course Description:
Particular topics may be offered to meet emerging needs based on student demand.
New course description (for revision only):
Meet Type(s): Reading Choose an item. Choose an item. Choose an item. Choose an item.
Primary Meet Type: Reading

Requisites:

Special topics course: Yes ☒ No ☐
Cross-listed: Yes ☐ No ☒

Course Subject(s) to be cross-listed with and approval status:
Sections combined/held with:

Rationale for request:
Adding a reading course to allow for flexibility in course offerings.

Prepared by: Teresa Wilson Date: 20-Nov-17
Faculty: Environment
Effective term: Term/Year Winter 2018

Course ☒ New ☐ Revision ☒ Inactivation ☐
Milestone ☐ New ☐ Revision ☐ Inactivation ☐

New milestone title: Choose an item.

For course revisions, indicate the type(s) of changes: description, addition of cross listing
(e.g. consent, description, title, requisites)

Course Subject code: GEMCC Course number: 650
Course Title (max. 100 characters incl. spaces): Business and Climate Change
Course Short Title (max. 30 characters incl. spaces): Business and Climate Change
Grading Basis: NUMERICAL
Course Credit Weight: 0.50
Course Consent Required: ☐ Choose an item.

Course Description:
This course examines the intersection of business management, climate change, and the evolving policy environment within which mitigation and adaptation occurs. A Canadian lens is applied to understanding climate change business economics, the changing policy and regulatory landscape at the international, national and provincial level, the ways in which a price on carbon and the need to disclose carbon and climate risk can affect business decision-making, and the various opportunities for companies to reduce their carbon footprint to operate in emerging low-carbon economies, make their business more resilient to the impacts of climate change, and identify value-creation opportunities. Leadership cases from businesses worldwide will be explored, including multi-nationals and small and medium sized enterprises.

New course description (for revision only):
This course examines the intersection of business management, climate change, and the evolving policy environment within which mitigation and adaptation occurs. A Canadian lens is applied to understanding climate change business economics; the changing policy and regulatory landscape at the international, national and provincial levels; the ways in which a price on carbon and the need to disclose carbon and climate risk can affect business decision-making; and various opportunities for companies to reduce their carbon footprint to operate in emerging low-carbon economies, make their business more resilient to the impacts of climate change, and identify value-creation opportunities. Leadership cases from businesses worldwide will be explored, including multi-nationals and small and medium sized enterprises.

Meet Type(s): Lecture Choose an item. Choose an item. Choose an item.
Primary Meet Type: Lecture

Note: online course

Requisites:

Special topics course: Yes ☐ No ☒
Cross-listed: Yes ☒ No ☐

Course Subject(s) to be cross-listed with and approval status: ENBUS652; SEED meeting Nov 29/17

Sections combined/held with:

Rationale for request:
To cross-list GEMCC 650 with ENBUS 652 and make a minor adjustment to course description.

Prepared by: Teresa Wilson Date: 20-Nov-17
Faculty: Environment  
Effective term: Term/Year Winter 2018

Course ☒ New ☐ Revision ☐ Inactivation ☒ 
Milestone ☐ New ☐ Revision ☐ Inactivation ☒ 

New milestone title: Choose an item.

For course revisions, indicate the type(s) of changes:

Course Subject code: GEMCC  
Course number: 621  
Course Title (max. 100 characters incl. spaces): Advanced Climate Change Adaptation  
Course Short Title (max. 30 characters incl. spaces): Advanced Climate Change Adapt  
Grading Basis: NUMERICAL  
Course Credit Weight: 0.50  
Course Consent Required: ☐ Choose an item.

Course Description:
Advanced study of adaptation to climate change, which encompasses both adjustments to changing conditions and planning for uncertain projections of future climatic conditions. Topics covered include typologies of adaptation, possible adaptation strategies for major economic sectors, limits to adaptation, maladaptation, approaches to adaptation planning, and adaptation economics and governance. Although examples will be drawn from both developed and developing nations, the emphasis of this course is on adaptation in industrialised and transnational economics.

Meet Type(s): Seminar Choose an item. Choose an item. Choose an item.

Primary Meet Type: Seminar

Requisites: GEMCC 602

Special topics course: Yes ☐ No ☒

Cross-listed: Yes ☐ No ☒

Course Subject(s) to be cross-listed with and approval status:

Sections combined/heldwith:

Rationale for request: This course is no longer being offered; it was last scheduled in Winter 2016.

Prepared by: Teresa Wilson  
Date: 20-Nov-17
Faculty: Environment
Effective term: Term/Year Winter 2018

Course ☒ New ☐ Revision ☐ Inactivation ☒
Milestone ☐ New ☐ Revision ☐ Inactivation ☐

New milestone title: Choose an item.

For course revisions, indicate the type(s) of changes:

Course Subject code: GEMCC Course number: 642
Course Title (max. 100 characters incl. spaces): Climate Compatible Development
Course Short Title (max. 30 characters incl. spaces): Climate Compatible Development
Grading Basis: NUMERICAL
Course Credit Weight: 0.50
Course Consent Required: ☐ Choose an item.

Course Description:
Climate compatible development moves beyond the traditional separation of adaptation, mitigation and development strategies to foster development that simultaneously minimizes the harm caused by climate impacts and minimizes greenhouse emissions without compromising development goals. This course examines successful local, sectoral, national and international case studies of policy and practice within this emerging development paradigm from both developing and developed countries.

Meet Type(s): Seminar Choose an item. Choose an item. Choose an item. Primary Meet Type: Seminar

Requisites: GEMCC 602, 603
Special topics course: Yes ☐ No ☒
Cross-listed: Yes ☐ No ☒

Course Subject(s) to be cross-listed with and approval status:

Sections combined/held with:

Rationale for request: This course is no longer being offered; it was last scheduled in Winter 2014.

Prepared by: Teresa Wilson Date: 20-Nov-17
Prior to form submission, review the content revision instructions and information regarding major/minor modifications. For questions about the form submission, contact Trevor Clews, Graduate Studies Office.

Faculty: Environment
Program: Master of Climate Change (MCC)
Program contact name(s): Teresa Wilson
Form completed by: Teresa Wilson

Description of proposed changes:
Note: changes to courses and milestones also require the completion/submission of the SGRC Course/Milestone-New/Revision/Inactivation form (PC docx version or MAC docx version).

Remove GEMCC 621 and GEMCC 642 from the climate change elective section of the calendar.

Is this a major modification to the program? No

Rationale for change(s):
GEMCC 621 and GEMCC 642 need to be removed from the climate change elective section of the calendar because they have been inactivated.

Proposed effective date: Term: Spring Year: 2018

Current Graduate Studies Academic Calendar (GSAC) page (include the link to the web page where the changes are to be made):
https://uwaterloo.ca/graduate-studies-academic-calendar/environment/department-geography-and-environmental-management/master-climate-change-mcc

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<th>Current Graduate Studies Academic Calendar content</th>
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<td><strong>Degree requirements</strong></td>
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<td>Master's Research Paper option:</td>
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<td>o 3 required courses (1.5 units):</td>
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<td>▪ GEMCC 601 Climate Change: Physical Science Basis</td>
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<td>o 3 climate change electives (1.5 units):</td>
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Students are able to tailor their program of study based on their individual interests by completing 3 elective courses from the following list of designated climate/climate change focused electives. The availability of MCC designated electives varies year-to-year, including newly approved courses.

- ENBUS 621 Enterprise Carbon Management (online delivery)
- GEMCC 610 Climate Prediction, Modeling and Scenarios
- **GEMCC 620 Climate Analytics**
- **GEMCC 621 Advanced Climatic Change Adaptation**
- GEMCC 622 Climate Change, Natural Hazards and Disaster Risk Reduction
- GEMCC 630 Land Use and the Carbon Cycle
- GEMCC 640 Climate Policy, Law and Institutions
- **GEMCC 642 Climate Compatible Development**
- GEOG 601 Environmental Change and Remote Sensing
- GEOG 603 Remote Sensing and Earth System Science
- GEOG 642 Micrometeorology
- GEOG 648/EARTH 646/BIOL 646 Paleolimnology
- GEOG 669/INDEV606 Energy and Sustainability
- INDEV 603 Global Health (online delivery)
- PLAN 674 Site Planning and Design Studio
- **SUSM 650 Environmental Finance**

- 2 open electives (1.0 units) selected in consultation with academic advisor from other areas of specialization within the program or from partnering programs (suitable courses can be...
Coursework option:

- Courses
  - 3 required courses (1.5 units):
    - GEMCC 601 Climate Change: Physical Science Basis
    - GEMCC 602 Climate Change Vulnerability and Adaptation
    - GEMCC 603 Climate Change Mitigation
  - 3 climate change electives (1.5 units):
    - Students are able to tailor their program of study based on their individual interests by completing 3 elective courses from the following list of designated climate/climate change focused electives. The availability of MCC designated electives varies year-to-year, including newly approved courses.
      - ENBUS 621 Enterprise Carbon Management (online delivery)
      - GEMCC 610 Climate Prediction, Modeling and Scenarios
      - GEMCC 620 Climate and Society
      - GEMCC 621 Advanced Climatic Change Adaptation

- Development and Implementation of a Climate Change Management Plan (1.5 units):
  - Students are required to complete a Climate Change Management Plan in consultation with their academic advisor and the Program Director.
  - The Climate Change Management Plan must be approved by the Program Director and the Graduate Officer before the student can advance to the stage of thesis research.
  - The Climate Change Management Plan must be updated annually and must be submitted to the Program Director and the Graduate Officer for review.

- Thesis Research (6.0 units):
  - Students are required to conduct original research in the field of climate change management.
  - The thesis must be submitted to the Program Director and the Graduate Officer for review.
  - The thesis must be approved by the Program Director and the Graduate Officer before the student can graduate.

- Qualifying Examination (0.0 units):
  - Students are required to pass a written examination in order to advance to the stage of thesis research.
  - The written examination must be approved by the Program Director and the Graduate Officer.

- Total units required: 24.0 units
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<td>• 2 open electives (1.0 units) selected in consultation with academic advisor from other areas of specialization within the program or from partnering programs (suitable courses can be drawn from any other academic program that is willing to allow the student to enroll in a course).</td>
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<td>• Failure to maintain a course average of 75% or better results in an automatic review of the student's status in the program. The review committee will consist of the Program Director and the Graduate Officer. The review committee may require that the student</td>
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</table>

How will students currently registered in the program be impacted by these changes?
Current students will have the option of applying GEMCC 642 and/or GEMCC 621 toward the required 3 climate change elective courses. Students admitted to the program after spring 2018 will not have this option as the courses will no longer be offered.

**Departmental approval date (mm/dd/yy):** 11/24/17

**Reviewed by GSO (for GSO use only) date (mm/dd/yy):** 03/29/2018

**Faculty approval date (mm/dd/yy):** 03/22/18

**Senate Graduate & Research Council (SGRC) approval date (mm/dd/yy):**

**Senate approval date (mm/dd/yy) (if applicable):**
Faculty: Environment  
Effective term: Term/Year Spring 2018

Course ☒ New ☐ Revision ☒ Inactivation ☒
Milestone ☐ New ☐ Revision ☐ Inactivation ☐

New milestone title: Choose an item.

For course revisions, indicate the type(s) of changes: Inactivation moved to Spring 2018 (e.g. consent, description, title, requisites)

Course Subject code: ERS  
Course number: 670
Course Title (max. 100 characters incl. spaces): MES Research Development
Course Short Title (max. 30 characters incl. spaces):
Grading Basis: CEDIT/NO CREDIT
Course Credit Weight: 0.50
Course Consent Required: ☐
Course Description: The goal of the course is to ensure that all students will have a completed proposal by the end of term. The course will help students design and implement an appropriate research project and communicate results.

New course description (for revision only):

Meet Type(s): Seminar Reading Choose an item. Choose an item.
Primary Meet Type: Seminar
Requisites:

Special topics course: Yes ☐ No ☒
Cross-listed: Yes ☐ No ☒
Course Subject(s) to be cross-listed with and approval status:
Sections combined/held with: NA

Rationale for request: The document is for information purposes to change the inactivation date to Spring 2018.

Prepared by: Amanda Taves  
Date: 6-Feb-18
Attached is a motion that is pending approval by the Mathematics Faculty Council. The vote (by electronic ballot) is closing on April 6, and thus the result will be known before the next Senate Graduate Research Council (SGRC) on April 9.

Please place the following motion on the agenda for the next Senate Graduate and Research Council meeting:

**Motion from Statistics and Actuarial Science**

- Add the graduate studies internship as a program requirement for the Master’s Research Paper Option of the Master of Quantitative Finance (MQF) program, and create the corresponding milestone.

**Rationale:** Very recently, Immigration Canada changed the rules about international student visas. As a result, international students are no longer able to take an inactive term and work off-campus on an internship, unless the internship is a degree requirement. This is effective immediately.

The Master of Quantitative Finance has operated for over 20 years with an internship component in the Spring term. The course requirements are such that students must be here for two Fall terms in order to complete the program. The calendar description currently describes the internship as follows:

"Other requirements

Normally, this program consists of two academic terms (Fall and Winter), followed by a work term with an industrial partner in the Spring term, and then one additional academic term (Fall)."

This needs to be replaced by the following degree requirement:

"Graduate Studies Internship

The Master’s Research Paper option consists of two academic terms (fall and winter), followed by a required work term in the spring term, and then one additional academic term (fall)."

By making it a formal degree requirement, international students will be able to work legally during their internship. Please note the change is made only for the research paper option, which is taken by nearly all students, i.e., students are allowed to switch to the thesis option only exceptionally.
Prior to form submission, review the content revision instructions and information regarding major/minor modifications. For questions about the form submission, contact Trevor Clews, Graduate Studies Office.

Faculty: Mathematics

Program: Master of Quantitative Finance (MQF)

Program contact name(s): David Saunders

Form completed by: David Saunders

Description of proposed changes:
Note: changes to courses and milestones also require the completion/submission of the SGRC Course/Milestone-New/Revision/Inactivation form (PC docx version or MAC docx version).

Add the Graduate Studies Internship as a program requirement milestone for the Master’s Research Paper Option of the MQF.

Is this a major modification to the program? No

Rationale for change(s):

In light of new immigration regulations, for international students to have a full-time internship during the Spring term (during which no courses for the program are offered), the internship must be a program requirement. Virtually all Master’s Research Paper students (which is the vast majority of students- only a handful have done the thesis option) have done graduate internships during the more than twenty-year history of this program, and it is the expectation on the part of both the students and the program administrators that this will be the case. There are three international students who have signed contracts for internships for the Spring 2018 term, who will be ineligible to work at those internships unless this change is made.

Proposed effective date: Term: Spring Year: 2018

Current Graduate Studies Academic Calendar (GSAC) page (include the link to the web page where the changes are to be made):

https://uwaterloo.ca/graduate-studies-academic-calendar/mathematics/department-statistics-and-actuarial-science/master-quantitative-finance-mqf

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<td>§ ACTSC 846 Mathematical Models in Finance</td>
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<tr>
<td><strong>Master’s Research Paper</strong></td>
<td><strong>Graduate Studies Internship</strong></td>
</tr>
<tr>
<td><strong>Other requirements</strong></td>
<td>o The Master’s Research Paper option consists of two academic terms (fall and winter), followed by a required work term in the spring term, and then one additional academic term (fall).</td>
</tr>
</tbody>
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**Link(s) to courses**

- Actuarial Science (ACTSC) courses
- Statistics (STAT) courses
- Graduate course search

**Graduate Studies Internship**

- The Master’s Research Paper option consists of two academic terms (fall and winter), followed by a required work term in the spring term, and then one additional academic term (fall).
and then one additional academic term (Fall).

<table>
<thead>
<tr>
<th>Current Graduate Studies Academic Calendar content:</th>
<th>Proposed Graduate Studies Academic Calendar content:</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Master’s Research Paper</td>
<td></td>
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</tbody>
</table>

How will students currently registered in the program be impacted by these changes?

All of the students currently enrolled in the MQF program have signed contracts for internships in the Spring 2018 term. There are three international students who will be unable to work at these internships unless this change is made.

Departmental approval date (mm/dd/yy): 03/23/18
Reviewed by GSO (for GSO use only) ☒ date (mm/dd/yy): 03/26/2018
Faculty approval date (mm/dd/yy):
Senate Graduate & Research Council (SGRC) approval date (mm/dd/yy):
Senate approval date (mm/dd/yy) (if applicable):
Faculty: Math
Effective term: Term/Year Spring 2018

Course ☐ New ☐ Revision ☐ Inactivation ☐
Milestone ☒ New ☒ Revision ☐ Inactivation ☐

New milestone title: Choose an item. Graduate Studies Internship

For course revisions, indicate the type(s) of changes:
(e.g. consent, description, title, requisites)

Course Subject code: Choose an item. Course number:
Course Title (max. 100 characters incl. spaces):
Course Short Title (max. 30 characters incl. spaces):
Grading Basis: Choose an item.
Course Credit Weight: Choose an item.
Course Consent Required: ☐ Choose an item.

Course Description:

New course description (for revision only):

Meet Type(s): Choose an item. Choose an item. Choose an item. Choose an item.
Primary Meet Type: Choose an item.
Requisites:

Special topics course: Yes ☐ No ☐
Cross-listed: Yes ☐ No ☐

Course Subject(s) to be cross-listed with and approval status:
Sections combined/held with:

Rationale for request:

In light of new immigration regulations, for international students to have a full-time internship during the Spring term (during which no courses for the program are offered), the internship must be a program requirement. Virtually all Master’s Research Paper students (which is the vast majority of students- only a handful have done the thesis option) have done graduate internships during the more than twenty-year history of this program, and it is the expectation on the part of both the students and the program administrators that this will be the case. There are three international students who have signed contracts for internships for the Spring 2018 term, who will be ineligible to work at those internships unless this change is made.
The milestone should be applied to the Master’s Research Paper option of the Master of Quantitative Finance (MQF) program.

Prepared by: Helen Chen                       Date: 23-Mar-18
TO: Kathy Winter, Privacy Officer and Assistant University Secretary, Senate Graduate and Research Council

FROM: Heidi Mussar, Assistant Director, Graduate Financial Aid & Awards

RE: Agenda items for Senate Graduate & Research Council – April 2018

Items for Approval

a) Nihar and Mina Bose Graduate Scholarship in Economics – endowment

An award, valued at a minimum of $1,500, will be awarded to a graduate student registered full time in the Department of Economics in the Faculty of Arts who demonstrates academic excellence and financial need. Preference will be given to international doctoral students. If no suitable candidates are found, then the award can be given to international master’s students, domestic doctoral or domestic master’s students. Preference will be given to students who demonstrate an interest in economic theory or econometrics and to students who had previously been living in India. GSPA will assess applications based on need and final selection will be made by the Department of Economics.

This scholarship is made possible by a gift of $50,000.

Items for Information

b) Queen Elizabeth Scholars for Energy Access - operating

Funded by a $300,000 award through the Queen Elizabeth II Diamond Jubilee Advanced Scholars program, scholarships valued up to $8,000 will be awarded by AE4H to UW graduate students who complete international internships at social enterprises that are delivering clean energy-enabled solutions in emerging economies. Between 2018 and 2021, approximately 40 students will undertake internships as Queen Elizabeth Scholars for Energy Access. Only Canadian Citizens are eligible. Students who receive this award will be candidates in the Master’s of Development Practice program in the Faculty of Environment.


Fred and Ruth Stork Awards in German Studies – endowment

Originally established in 2011, there are three awards under this “umbrella” award. The terms have been amended to reflect name, eligibility and allocation changes. All three awards will change their names to WCGS Study Travel Award and be identified specifically according to their criteria:

<table>
<thead>
<tr>
<th>Amended</th>
<th>Original</th>
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<tbody>
<tr>
<td>WCGS Study Travel Award – IcGS Program</td>
<td>WCGS Intercultural German Studies Award</td>
</tr>
<tr>
<td>WCGS Study Travel Award – University of Waterloo</td>
<td>WCGS International Opportunities uWaterloo Travel Grants</td>
</tr>
<tr>
<td>WCGS Study Travel Award – Canadian Universities</td>
<td>WCGS International Opportunities Canadian Travel Grants</td>
</tr>
</tbody>
</table>
In order to increase the number of students who could apply for the grant and to encourage study in Germany, the requirement that students be taking at least one Germanic and Slavic Studies course has been removed from the WCGS Study Travel Award – University of Waterloo.

A revision is also being made to the allocation of funds; currently forty percent (40%) of the income generated will be for graduate awards valued at up to $2000/student; forty percent (40%) of the income generated will be for undergraduate and graduate awards from $500 up to $1500/student; and twenty percent (20%) of the income generated will be for undergraduate and graduate students registered at other Canadian universities valued from $500 up to $1500/student. The value and/or number of Awards may change from year to year. The terms are being revised so that in years when one category is over- or undersubscribed, adjustments to these proportions can be made at the discretion of the Director of the Waterloo Centre for German Studies to ensure that the maximum number of students can be assisted.

d) Cecilia and the late George Piller Graduate Research Award – trust

Previously approved in January 2013, the nomination process is being revised.

Previously, faculty members of the Waterloo Centre for German Studies were to nominate students annually in January and inform them of the nomination. Students then had to submit a one-page research project proposal and CV.

Now, eligible students can apply by submitting a CV and a one-page research proposal.