

SENATE MEETING AGENDA

Tuesday, May 7, 2019

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COMMONS - POD 250

4:30 p.m. Light dinner is available

5:00 p.m. Committee of the Whole – Senate Policy Compliance

5:50 p.m. Senate Meeting starts

1. Call to Order/Establishment of Quorum

2. Land Acknowledgement

"Toronto is in the 'Dish With One Spoon Territory'. The Dish With One Spoon is a treaty between the Anishinaabe, Mississaugas and Haudenosaunee that bound them to share the territory and protect the land. Subsequent Indigenous Nations and peoples, Europeans and all newcomers have been invited into this treaty in the spirit of peace, friendship and respect."

3. Approval of the Agenda

Motion: *That Senate approve the agenda for the May 7, 2019 meeting*

4. Announcements

Pages 1-5 5 Minutes of the Previous Meeting

Motion: *That Senate approve the minutes of the April 2, 2019 meeting*

6. Matters Arising from the Minutes

7. Correspondence

8. Reports

Pages 6-12 8.1 Report of the President
8.1.1 President's Update

Pages 13-14 8.2 Communications Report

8.3 Report of the Secretary
[Pages 15-17](#)
[Pages 18-21](#)
8.3.1 Senate Elections Update
8.3.2 AGPC and SPC Faculty Membership

[Pages 22-37](#) 8.4 Committee Reports
8.4.1 Report #W2019-4 of the Academic Standards Committee (ASC): K. MacKay

[Page 22](#) 8.4.1.1. Chang School Certificate in Environmental Sciences – Discontinuation

Motion: *That Senate approve the Chang School Certificate in Environmental Sciences – Discontinuation*

[Pages 23-25](#) 8.4.1.2. Chang School Certificate in Economics and Finance Revision of graduation requirements

Motion: *That Senate approve the Chang School Certificate in Economics and Finance – Revision of graduation requirements*

[Pages 25-26](#) 8.4.1.3. Chang School Certificate in Economics – Discontinuation

Motion: *That Senate approve the Chang School Certificate in Economics – Discontinuation*

[Pages 26-28](#) 8.4.1.4. Chang School Certificates in Economics – Level 1 and Economics – Level 2 – New

Motion: *That Senate approve the Chang School Certificates in Economics – Level 1 and Economics – Level 2 – New*

[Pages 28-29](#) 8.4.1.5. Chang School Certificate in Energy Management and Innovation - Discontinuation

Motion: *That Senate approve the Chang School Certificate in Energy Management and Innovation - Discontinuation*

[Pages 29-31](#) 8.4.1.6. Chang School Certificate in Energy Management and Conservation - New

Motion: *That Senate approve the Chang School Certificate in Energy Management and Conservation - New*

Page 31	8.4.1.7. Chang School Certificate in Financial Mathematics Modeling - Discontinuation <u><i>Motion: That Senate approve the Chang School Certificate in Financial Mathematics Modeling - Discontinuation</i></u>
Pages 31-34	8.4.1.8. Chang School Certificate in Financial Mathematics Modeling and Predictive Analytics - New <u><i>Motion: That Senate approve the Chang School Certificate in Financial Mathematics Modeling and Predictive Analytics - New</i></u>
Pages 34-35	8.4.1.9. Faculty of Engineering and Architectural Science course grading variations <u><i>Motion: That Senate approve the Faculty of Engineering and Architectural Science course grading variations</i></u>
Pages 35-36	8.4.1.10. Department of Physics course grading variations <u><i>Motion: That Senate approve the Department of Physics course grading variations</i></u>
Page 36	8.4.1.11. For information: G. Raymond Chang School of Continuing Education Certificate Revisions <ul style="list-style-type: none"> • Certificate in Canadian Social Work Practice: Course Deletion and Course Repositioning • Certificate in Applied Digital Geography and GIS and Certificate in Advanced Applied Digital Geography and GIS: Clarification of Language • Certificate in Design for Arts and Entertainment: Course Deletion; Course Addition • Certificate in Film Studies: Course Additions and Deletions • Certificate in Project Management: Revision of CKPM Certificate Courses • Certificate in Public Relations: Course Deletion; Course Addition • Certificate in Photography Studies: Course Addition
Pages 38-49	8.4.2 Report #W2019-4 of the Academic Governance and Policy Committee (AGPC): M. Benarroch
Page 39	8.4.2.1. Senate Bylaw #1 proposed amendment – D. Checkland <u><i>Motion: That Senate approve the proposed amendment to Senate Bylaw #1.</i></u>

Pages 40-42

8.4.2.2. Policy 103: Mission and Aims of Ryerson University
proposed amendment – N. Thomlinson

Motion: *That Senate approve the proposed amendment to Policy 103: Mission and Aims of Ryerson University.*

Pages 43-49

8.4.2.3. Faculty of Science (FOS) Faculty Council Bylaws – D. Cramb

Motion: *That Senate approve the Faculty of Science (FOS) Faculty Council Bylaws*

Pages 50-53

8.4.3. Report #W2019-1 of the Scholarly, Research and Creative Activity Committee (SRCAC) – S. Liss

8.4.3.1. Policy 56: Publication of SRC Results

Motion: *That Senate approve Policy 56: Publication of SRC Results*

9. Old Business

10. New Business as Circulated

11. Members' Business

12. Consent Agenda

13. Adjournment

SENATE MINUTES OF MEETING
Tuesday, April 2, 2019

MEMBERS PRESENT:

EX-OFFICIO:	FACULTY:	STUDENTS:
L. Barnoff	D. Androutsos	V. Magness
M. Benarroch	R. Babin	D. Mason
M. Bountrogianni	A. Bailey	A. McWilliams
D. Cramb	S. Benda	R. Meldrum
G. Craney	T. Burke	A. Miransky
T. Duever	D. Checkland	P. Moore
M. Lachemi	Y. Derbal	S. Rakhmayil
K. MacKay	K. Dermody	S. Sabatinos
J. Mactavish	M. Dionne	N. Thomlinson
J. McMillen	A. El-Rabbany	M. Tiessen
D. O'Neil Green	M. Green	M. Vahabi
A. Saloojee	R. Hudyma	A. Yazdani
C. Shepstone	E. Ignagni	
P. Sugiman	C. Kular	
S. Zolfaghari	K. Kumar	I. Chandran

EX-OFFICIO STUDENTS:

SENATE ASSOCIATES:	ALUMNI:
A. M. Brinsmead	
M. Zouri	

REGRETS:**ABSENT:**

N. Allou	R. J. Allick
B. Baum	C. Antonescu
D. Brown	J. Makuch
S. Dolgoy	J. Marriott
C. Falzon	A. Rahunathan
C. Hack	A. Sharma
S. Liss	J. Tiessen
S. Mehmood	
I. Mishkel	
R. Ravindran	
P. Shannon	
C. Tam	
D. Taras	
N. Walton	

1. Call to Order/Establishment of Quorum

2. Land Acknowledgement

"Toronto is in the 'Dish With One Spoon Territory'. The Dish With One Spoon is a treaty between the Anishinaabe, Mississaugas and Haudenosaunee that bound them to share the territory and protect the land. Subsequent Indigenous Nations and peoples, Europeans and all newcomers have been invited into this treaty in the spirit of peace, friendship and respect."

3. Approval of the Agenda

Motion: *That Senate approve the agenda for the April 2, 2019 meeting*

A. McWilliams moved; D. Mason seconded

Motion approved.

4. Announcements - None

5 Minutes of the Previous Meeting

Motion: *That Senate approve the minutes of the March 5, 2019 meeting*

D. Mason moved; V. Magness seconded

Motion approved.

6. Matters Arising from the Minutes - None

7. Correspondence - None

8. Reports

8.1 Report of the President

8.1.1 President's Update

The President reported that:

- 1) The welcoming of a new member of Senate – VP Students, Jen McMillen.
- 2) The Annual Ryerson Awards night was held on April 1.
- 3) For the 5th consecutive year, Ryerson has been named the best diversity employer. We are proud of the work that we do here regarding Diversity, Community Inclusion & Equity.
- 4) On the athletic side, the women's volleyball team and men's basketball team played very well this season. The women's volleyball team received national and provincial medals and missed the gold by a slim margin (3-2). The men's basketball team brought home a national bronze medal and silver at the provincial level.
- 5) Senate faculty member, Khrisna Kumar, received an award from the International Academy of Astronautics in Paris recently for his contributions in Space Research.

- 6) The Federal Budget announcement delivered by Minister Monreau showed overall a positive budget for the post-secondary education sector. There is a strong commitment to support a number of areas where Ryerson University is focusing on growth.

The three budget areas that are of importance to Ryerson, are

- Investment and scholarship
- Work placement and training
- University Cyber security and networks

There will also be more funding for mobility for students to go and gain international experience.

- 7) Video presentation – Ryerson at a Glance prepared by University Relations office. The video can be used to introduce donors to the work done by Ryerson.

8.2 Communications Report – included in the agenda

8.3 Report of the Secretary

8.3.1 Senate Elections Update

D. Bell reported that:

- the results of Student election were included in the package;
- faculty vacancies will be presented at the next meeting as three spots still need to be filled; and
- the two Alumni senator positions have been confirmed.

- David Checkland would speak to the Senate Bylaw#1 error:

D. Checkland discussed that Senate Bylaw #1 that was approved by Senate violated the Ryerson Act: Section 2.2.1.4. states: Indigenous faculty: There shall be one (1) Indigenous faculty member elected by the Aboriginal Education Council (AEC) from all Indigenous faculty using procedures developed by the AEC in consultation with the AGPC and the wider Indigenous community.

The Bylaws committee will propose an amendment and will present at AGPC on April 9, 2019, and then resubmit to the May 7, 2019 Senate meeting.

8.4 Committee Reports

8.4.1 Report #W2019-3 of the Academic Standards Committee (ASC): K. MacKay

8.4.1.1 Periodic Program Review for the Department of Architectural Science Bachelor of Architectural Science Degree Program – Faculty of Engineering and Architectural Science

Motion: *That Senate approve the Periodic Program Review for the Department of Architectural Science Bachelor of Architectural Science Degree Program.*

K. MacKay moved; Thomas Duever seconded

Motion approved.

8.4.1.2 Chang School Certificate Review – Certificate in Community Engagement, Leadership and Development

Motion: *That Senate approve the Chang School Certificate Review – Certificate in Community Engagement, Leadership and Development.*

K. MacKay moved; M. Bountrogianni seconded

Motion approved.

8.4.1.3 Chang School Certificate in Demographic Analysis – Discontinuation

Motion: *That Senate approve the Chang School Certificate in Demographic Analysis – Discontinuation.*

K. MacKay moved; M. Bountrogianni seconded

Motion approved

8.4.1.4 For information: G. Raymond Chang School of Continuing Education Certificate Revisions

- Certificate in Psychology: Course Deletions and Additions (Required)
- Certificate in Advanced Enterprise Architecture and Infrastructure Management: Revision of Admission Criteria
- Certificate in Lighting Design: Course Deletion; Course Addition (Required)
- Certificate in Caribbean Studies: Course Addition (Elective)
- Certificate in Community Engagement, Leadership and Development: Course Deletion (Elective)
- Certificate in Health Studies: Gerontology Stream: Course Deletions and Additions (Electives)
- Certificate in Human Resources Management: Course Deletion (Elective)
- Certificate in Leadership in Organizations: Course Deletion (Elective)
- Certificate in Mental Health and Addictions: Course Deletion (Elective)
- Certificate in Proficiency in French: Course Additions and Changes
- Certificate in Retail Management: Course Deletion (Elective)

8.4.2 Report #W2019-3 of the Academic Governance and Policy Committee (AGPC):
M. Benarroch

8.4.2.1 Academic Policy Review Committee – K. Mackay

8.4.2.1.1 Interim Report: Make-Up Exams. This is being revisited from 2010 and 2014, and has come up again as part of the Course Management Policy review. Issues of high demand, exam integrity and insufficient resources are highlighted. A number of recommendations are suggested which would help with the administration of make-up tests.

8.4.2.1.2 Discussion Paper: Self Declaration

A number of consultations are being held around campus through Town Halls, regarding self-declaration. Included in the discussion paper is background and what other Universities are doing.

There are three important issues that the committee is focusing on:

- 1) Student well-being;
- 2) Prevention of abuse; and
- 3) Operational considerations.

8.4.3 Report #W2019-1 of the Yeates School of Graduate Studies Council – J. Mactavish

8.4.3.1 Periodic Program Review for the Architecture (MArch) Graduate Program

Motion: *That Senate approves the Periodic Program Review for the Architecture (MArch) Graduate Program.*

J. Mactavish moved; V. Magness seconded

Motion approved.

8.4.3.2 Periodic Program Review for the Chemical Engineering (PhD, MSc, MEng) Graduate Programs

Motion: *That Senate approves the Periodic Program Review for the Chemical Engineering Graduate Programs.*

J. Mactavish moved; T. Duever seconded

Motion approved.

9. Old Business - None

10. New Business as Circulated - None

11. Members' Business - None

12. Consent Agenda - None

13. Adjournment – Meeting adjourned at 5:39 p.m.

Ryerson University
President's Update to Senate
May 7, 2019



APPOINTMENT

Cory Searcy has been appointed interim vice-provost and dean of the Yeates School of Graduate Studies (YSGS) effective April 19, 2019. Previously, Cory was associate dean, Programs at YSGS, and he was responsible for the graduate component of the institutional quality assurance process (IQAP). He is a professor of both Industrial Engineering and Environmental Applied Science and Management, and he holds a PhD from the University of Alberta and a B.Sc. and an MSc from the University of Manitoba.

CONGRATULATIONS

Alex Kjorven, Environmental Applied Science and Management MSc student, has won Ryerson's first Ontario Three Minute Thesis (3MT) competition for "The Gamification of Climate Change." Alex presented her research—which involved designing a board game to mimic the attributes of climate change—in just under three engaging minutes, at McMaster University, in front of a panel of non-specialist judges including CBC technology and science reporter Emily Chung and guitarist Rob Baker of the Tragically Hip. She will move on to the national competition which takes place online in June.

Krishna Kumar, professor of Aerospace Engineering, was named a full Member of the International Academy of Astronautics (IAA), France. This is the highest award given by the world's most prestigious astronautics academy, granted to professor Kumar for his substantial contributions to space research.

Ryerson winners of 2019 Canadian Screen Awards include alum Daniel Levy (Arts and Contemporary Studies '10; Best Comedy Series, *Schitts Creek*), Jasmin Mozaffari (Image Arts '13; Achievement in Direction, *Firecrackers*), Charlie Tyrell (Image Arts '11; Best Short Documentary, *My Dead Dad's Porno Tapes*), J.J. Johnson, Blair Powers, and Matt Bishop (all RTA '02; Best Preschool Program or Series, *Dino Dana*, and, for Johnson and Bishop, Best Cross-Platform Project – Children's and Youth, *Dino Dana Digital*), and Edward Burtynsky (Image Arts '89; Best Feature Length Documentary, *Anthropocene: The Human Epoch*).

Ethan Murphy, who is finishing a BFA in Image Arts, Photography at Ryerson, has won a \$10,000 New Generation Photography Award from the Canadian Photography Institute of the National Gallery of Canada and Scotiabank. His photographs of Newfoundland, inspired by his late father's favourite sites, will be featured during the Scotiabank CONTACT Photography Festival in Toronto in May and June and in an exhibition at the Canadian Photography Institute in Ottawa—where he will present an artist talk--from September through March 2020.

PARTNERSHIPS

TOY INVENTION – The Faculty of Communication and Design (FCAD) and The Chang School have worked—and played—together with global Canadian-based toy company Spin Master, Israel's Shenkar College of Engineering, Design and Art, and OCAD University to create the course series in Toy Invention, which is the first such program in Canada. Modeled after Shenkar College's Toy Invention program, the one-year program will be housed in FCAD and offered through the Chang School. By the end of the program, participants will devise their own new toy concept, build and test prototypes, and present their concepts to representatives of local toy companies.

J-SCHOOLS CANADA – Ryerson's Journalism School has joined forces with other journalism schools across the country to create J-Schools Canada. As the Canadian affiliate of the World Journalism Education Council, which sets global standards for education in journalism, it is designed to align and strengthen university and college journalism programs in Canada. The idea for the organization was put forth by Ivor Shapiro, associate dean of undergraduate education and student affairs at FCAD.

CYBERSECURITY AT TRSM – The Cybersecurity Research Lab (CRL) at TRSM is partnering with software developer NXM Labs to devise security for 5G internet-of-things (IoT) device networks. Under a multi-year agreement, NXM, which is based in San Francisco with R&D facilities in Toronto, will provide funding for the CRL. Together, they will carry out timely research on the impact of quantum computing and artificial intelligence on security.

CHILDCARE FOR FEMALE ENTREPRENEURS – The Brookfield Institute is partnering with Dateneight Babysitting and the parenting app HELM to create the Childcare Support Pilot for Female Entrepreneurs. The provincial government will provide funding for the program, through which women who run scalable businesses with fewer than six employees will each have access to 50 hours of childcare so they can attend events such as trade shows and sales meetings. The pilot is one of three projects supporting women entrepreneurs that were chosen by the Brookfield Institute's Policy Innovation Platform team to receive funding from the provincial government, along with the Accelerator for Women in Entrepreneurship at the Innovation Factory in Hamilton and the Ontario Inclusive Innovation (I2) Action Strategy, led by the University of Ottawa's Telfer Centre for Executive Leadership.

LIVE ENTERTAINMENT RESEARCH LAB – FCAD is partnering with Montreal's Cirque du Soleil Entertainment Group (CDSEG) to launch The Future of Live Entertainment Lab (FOL!E), dedicated to researching innovation in live entertainment. Research will focus on how technology can enhance performances by humans and how best to analyze and react to both changing audience preferences and shifting economic conditions. The lab will be housed in FCAD's Catalyst and directed by Louis-Etienne Dubois, assistant professor of Creative Industries Management. It will work with Cirque's own innovation lab, Nextasy, which will share FOL!E's findings on its online platform.

EVENTS

ATHLETICS – In addition to a very successful year at the varsity level, Ryerson’s Rams provided leadership outside of the rink and the court. Student athletes contributed over 3300 volunteer hours to the community. Among their initiatives were the Rams Care After School Program, whereby 108 student-athletes provided tutoring and organized physical activities for over 900 local community youth, and the Rams Care 500 Smile Challenge, which raised \$31,000 so that 500 local youth can attend Ryerson Day Camps for free this summer. In May, 12 student-athletes will provide sport leadership programming in two Indigenous communities in Northern Ontario through the Jays Care Foundation.

ANTI-BLACK RACISM REVIEW – In March, the Anti-Black Racism Campus Climate Review got under way. It aims to foster a more inclusive campus for Black students, faculty, and staff. Focus group sessions were held for all three groups throughout March and April, aiming to capture multiple perspectives and offer an accurate picture of the conditions of Black communities at Ryerson. The review is being conducted by Dr. Rinaldo Walcott, Associate Professor at the Ontario Institute for Studies in Education and the director of the University of Toronto’s Women and Gender Studies Institute. He will present a report with recommendations to the university administration, which is committed to addressing the issues identified therein.

TED ROGERS MANAGEMENT CONFERENCE – From March 7 to 9, 150 delegates from across North America attended the tenth annual Ted Rogers Management Conference (TRMC) at the Westin Harbour Castle. Speakers and panelists included Apple co-founder Steve Wozniak, Rogers deputy chair (and honorary TRMC chair) Melinda Rogers, Rogers chief human resources officer Jim Reid, LCBO CEO and president George Soleas, Facebook Canada managing director Garrick Tiplady, Google head of global partnerships Justin Pang, and Cisco president Rola Dagher. Events included the 33rd annual Ryerson Business Forum, a case competition, and the Ted Rogers Memorial Gala, held at Liberty Grand.

ROAD TO SUCCESS AWARDS – On March 19, Ryerson announced a \$1 million donation from TD Bank Group to establish the TD Road to Success Awards. The awards, which are part of the President’s Awards to Champion Excellence (PACE) initiative, will be given to adult learners in financial need who are entering Ryerson’s Spanning the Gaps Program. Spanning the Gaps provides support for those transitioning to post-secondary education, and the Road to Success Awards aim specifically to help adult learners experiencing intergenerational poverty and social exclusion.

STUDENT EXPERIENCE AWARDS – On March 28, a diverse group of 80 exceptional emerging and established student leaders and volunteers was recognized at the Office of the Vice-Provost, Students (OVPS)’s fourth annual Student Experience Awards. Students were honoured for contributions to Ryerson and beyond in such areas as community engagement; mentorship; being role models; raising awareness for causes, and fostering a collegial, positive, and safe atmosphere at Ryerson. The event was organized by Student Life and the Student Awards and Scholarships Office.

OPEN HOUSE – On March 30, Ryerson held its largest-ever open house, with 8000 domestic and international guest registrations, representing a greater than 60% increase over last year. Over 3500 registrants were current applicants. Registrants interacted with students and faculty, participating in

campus tours; fairs for faculties, programs, student services, and admissions; and attending presentations. Of those who completed a feedback survey, 95% indicated that their experience had made them more likely to choose Ryerson.

JACK DORSEY TALK – On April 2, Twitter and Square co-founder Jack Dorsey sat down with technology reporter Takara Small for a fireside chat hosted by the DMZ. Dorsey shared insights on how and why he started Square, the importance of having a bold vision, challenging the system, and why the economy works better when everyone is readily able to participate in it.

GRAPHIC ARTS COLLOQUIUM – On April 3, the School of Graphic Communications Management (GCM) hosted its annual Colloquium & Expo, with the theme *Passion Production, and Purpose in the Graphic Arts*. The event brought together students and printing professionals. Industry guest speakers gave presentations, and over 140 graduating GCM students networked and showcased their innovative thesis research and business plans.

FLUSHABILITY – On April 4, the Ryerson Flushability Lab at Ryerson Urban Water released its study *Defining “Flushability” for Sewer Use*. Led by Barry Orr, MSc student in Environmental Applied Science and Management, the study tested 101 single-use wipes on a working model of a household lavatory system. It found that none of them—including 23 labeled “flushable”—could be flushed without the risk of clogging up household plumbing, the sewer system, and the environment. The study drew national and international media attention.

RESEARCHERS MEET THE PUBLIC – On April 5, Ryerson participated in the inaugural edition of the free learning festival CRAM Toronto, a joint venture by the four Toronto universities at which researchers presented their ground-breaking and provocative work to the public. Ryerson’s involvement featured ten presentations hosted at TRSM, with topics as varied as fake news, lying taxpayers, Indigenous land acknowledgments, and the intersecting worlds of dancers and nurses. The presenters drew substantial crowds, with over 700 people pre-registered and many more registering on-site. The event was sponsored by the Office of the Vice-President, Research and Innovation (OVPRI) and coordinated in collaboration with University Relations.

MASS EXODUS – On April 6, the School of Fashion hosted its 31st annual end-of-year show Mass Exodus, this year subtitled *An Inevitable Shift*, referencing “the shift from a cold reality to a bright future.” The show, the first overseen by new School of Fashion chair Ben Barry, was curated by artist, author, and academic Vivek Shraya. In keeping with the theme, the student collections celebrated inclusion, with student collections that transcended gender binaries and embodied cultural diversity.

VOICE OF INNOCENCE – On April 8, the Ryerson Liberal Arts Society and the Department of History presented exonerated convict David Milgaard and Innocence Canada co-founders James Lockyer and Win Warner in the event *The Voice of Innocence: The story of David Milgaard and his miscarriage of justice*, at TRSM. Lockyer and Warner outlined the work of their organization in supporting people who have been—and are perhaps being—wrongfully imprisoned, and Milgaard offered poignant recollections of his 23 years in prison for crimes he didn’t commit. He expressed his hope that those in attendance would “never give up [their] passion to help others.”

MASTER PLAN CONSULTATION – On April 10, the year-long Campus Master Plan consultation process began. Ryerson community members dropped into 10 Dundas Street East and the Student Campus Centre to offer their reflections on a variety of themes, including accessibility, campus branding, campus experience, classroom design, community inclusion, housing, Indigenization, safety, sustainability, and updating/future-proofing existing facilities. The community's input will be vital for the drafting of the Master Plan's vision, which will be completed in June. The updated Master Plan report is expected in April 2020.

from the President's Calendar

March 7 and 9, 2019: I attended the tenth annual Ted Rogers Management Conference, where I gave remarks introducing Rogers deputy chair Melinda Rogers and met with guest speaker Steve Wozniak, co-founder of Apple. I was delighted to offer congratulations to the TRSM students who ran such an outstanding conference, with world-class presenters.

March 7 and 9, 2019: I attended women's basketball games at the U Sports Nationals, hosted by Ryerson at the Mattamy Athletic Centre.

March 11, 2019: I participated in a meeting of the Universities Canada International Committee.

March 14-16, 2019: I was proud to attend the Ditchley Foundation's conference on Modern Education in Ditchley Park, England. Chaired by University of Cambridge vice-chancellor Stephen Toope, the conference drew together 40 education leaders from all over the world to discuss the questions, "What is contemporary education for, whom should we be educating, and how is it best achieved?"

March 18, 2019: Along with vice-president, university advancement and alumni relations Ian Mishkel, I met with David Miller, former Chief Legal Officer and Secretary at Rogers Communications, now visiting professor at TRSM, about continuing the legacy of Ted Rogers at Ryerson.

March 18, 2019: I was interviewed by Jordan Press from Canadian Press and John Geddes from Maclean's about the federal budget and Ryerson's role, via the Future Skills Centre, in effecting the federal government's skills agenda.

March 20, 2019: I welcomed Deputy Premier Christine Elliott and Minister of Economic Development, Job Creation and Trade Todd Smith to the DMZ, where we discussed Ryerson's contributions to Ontario's innovation ecosystem, prior to their Life Sciences Roundtable.

March 20, 2019: I welcomed David Piccini, the parliamentary assistant to the Minister of Training, Colleges and Universities, to the DMZ for a tour of the law innovation zone.

March 20, 2019: I was pleased to give remarks at the Alan Shepard Equity, Diversity and Inclusion (EDI) Awards Reception, and to affirm Ryerson's resolve and commitment to the cause of EDI in the wake of the horrific events in New Zealand.

March 20, 2019: I was delighted to attend the official opening of the new centre for Saagajiwe, FCAD's Indigenous Communication and Design Network, along with the unveiling of its mural, in the Rogers Communications Centre.

March 20, 2019: I was pleased to host the president's reception for graduating athletes in the MAC and to deliver welcoming remarks celebrating the athletes' achievements as well as the way they represent Ryerson as role models and leaders, on and off campus.

March 21, 2019: I attended the Student Campus Centre's spring Open House.

March 21, 2019: I was happy to stop by and briefly participate in the Engineering Student Society's 39th annual VW Bug Push in the quad, in support of the SickKids Foundation.

March 22, 2019: At a vigil organized by the Muslim Community Network and the Newcomer Students' Association in memory of the victims of the shooting in Christchurch, New Zealand, I gave remarks reaffirming Ryerson's commitment to inclusion, diversity, and equity, and to building a safe and welcoming campus.

March 25, 2019: I visited Cargojet CIO Anju Virmani and her mother, retired teacher Savitri Virmani, to thank them for their substantial contribution to the PACE Awards and give them a picture of Ryerson as a token of our appreciation.

March 26, 2019: I delivered welcoming remarks at the talk "India 2019: An Infuriating, Lovable Democracy," given at Jorgensen Hall by Ramesh Thakur, professor emeritus at the Crawford School of Public Policy, Australian National University in Canberra.

March 26, 2019: I met with Glenn O'Farrell, CEO of Groupe Média TFO, which provides French language educational content on digital platforms, about collaboration between Ryerson and the upcoming Ontario French-language hub.

March 26, 2019: I hosted coffee with the president, a wide-ranging, informal discussion with 25 staff members who participated in last year's holiday food drive in support of Ryerson students at the Annual Holiday Celebration.

March 27, 2019: I visited the Healthy Commute Education and Awareness Fair, hosted by Facilities Services and Sustainability and the Ryerson Student Union in the SLC Amphitheatre, at which students raised awareness of sustainable and healthy transportation options.

March 27, 2019: I met with representatives of the charitable organization Right to Play to discuss potential collaboration on skills development and programming for Indigenous youth.

March 28, 2019: At the Student Experience Awards ceremony, I was pleased to give remarks thanking the recipients for their leadership, innovation, and commitment to the spirit of community, on- and off-campus.

March 29, 2019: I hosted a president's recognition breakfast for staff from Security, Facilities Management and Development, Communications, the Registrar's Office, and University Scheduling, all of whom helped Ryerson cope with the steam leak on Church Street on January 31, 2019. I was proud to recognize their tremendous effort in securing the affected buildings, supervising the contractor, co-ordinating communications, and relocating and rescheduling 152 classes.

April 1, 2019: Along with Ian Mishkel, I met with Alan Horn, former chairman of Rogers Communications, to discuss Ryerson's plans for, and commitment to, city-building.

April 1, 2019: I was pleased to attend Ryerson's Awards Night and to deliver remarks congratulating the recipients— staff and faculty—for their amazing work in creating an environment where initiative and community spirit advance well-being and progress.

April 2, 2019: I attended the School of Professional Communication's third annual Signify Showcase and was fascinated to watch graduating students present their research projects to industry professionals.

April 3, 2019: Along with Charles Finlay, Executive Director, Cybersecure Catalyst, I met with former United States Secretary of Homeland Security Tom Ridge to discuss Cybersecure Catalyst.

April 3, 2019: I attended a VIP dinner with Tim Berners-Lee, inventor of the World Wide Web, and city business leaders, hosted by Deloitte.

April 4, 2019: In Kingston, I attended a meeting of the COU executive heads as well as a meeting of the COU council.

April 5, 2019: I was happy to greet Senator Sabi Marwah, a close friend of ours at Ryerson, who was on campus to meet with students who have received awards given in his name.

April 8, 2019: I met with David Piccini at Queen's Park for lunch, to continue the discussion we started on March 20.

April 8, 2019: I stopped by a panel discussion hosted by Lynn Lavallee, strategic lead, Indigenous Resurgence, where three Indigenous scholars discussed hiring Indigenous faculty at Ryerson. The event was organized by Ryerson's Joint Committee on Indigenous Faculty.

April 8, 2019: I attended the launch of the Myant Lab for Textile Computing in the soon-to-be-opened Daphne Cockwell complex.

April 8, 2019: I met with Al Jazeera's executive director for global branding and communications, Abdullah Najjar and its director of brand marketing and communications, Satnam Matharu to discuss potential collaboration between FCAD and the network.



UR Highlights - March 2019

Media Relations

- UR arranged for a Canadian Press interview with President Lachemi on The Future Skills Centre supporting 2019 Federal budget priorities - resulting in media coverage in over 50 outlets across Canada.
- Offered full media relations support for the 2019 U SPORTS Women's Basketball National Championship, which was covered by The Canadian Press, The Globe and Mail, Toronto Star, National Post, Rogers Sportsnet, CBC and CityTV. Media coverage from the tournament generated over 8 million impressions from across Canada.
- The annual FEAS Bug Push was covered by CTV and Global News, Global did five live hits from the Quad
- The Secret 3K run, created by Ryerson filmmaker Kate Mackenzie was covered by multiple outlets including CBC, CTV, and Running Magazine.
- The Centre for Urban Research and Land Development released a property tax report, UR's support generated nearly 30 stories in broadcast, print and online outlets.

Publications

- Produced 13 editions of Ryerson Today (RT)
- 58,335 subscribers
- Highest open rate was the President's message on shooting at two New Zealand mosques (43.7 per cent), second-highest open rate was message

from the vice-provost, students on provincial sexual violence survey results (37.7 per cent)

- Other popular stories: Three professors are shining a light on ableism; How upcoming campus revitalization will affect you
- Ryerson Today created a week-long feature on entrepreneurship and innovation at Ryerson – the three issues were packed with success stories and tips on starting a business.

Marketing

- Produced more than 20 print projects including, the 25 Year Club invitations and President's end of year Thank You ads for the two student newspapers, ads for the upcoming Ryerson Magazine, marketing materials for the newly merged Career & Co-op Centre, and more.
- Led sponsorship activation for the Ontario District FIRST Robotics Competition welcoming approximately 800 students from across the GTA, hosted at the MAC (March 15-16). Included participation by FOS, FEAS and UAR. UR produced a short video summarizing the competition.
- Launched the digital campaign for FEAS' Master of Engineering Innovation and Entrepreneurship to drive domestic applications for fall 2019.
- Partnered with UAR on the WE Day 2018 Take Action Contest fulfilment. Hosted 30 high school students and their teacher on campus (March 28). The day included social justice and leadership programming and tours of the DME and SVZ.
- Led two photo shoots for Ryerson's Library & Archives (for social and fall student campaign).



- Extensive planning and execution of two large marketing campaigns; the reputation campaign, with a focus on urban innovation and city building (launched April 5) and Faculty of Law campaign (launching in May).

Website

- Comparing March 2018 to March 2019, saw a 9.47% increase in visitors, 9.22% increase in visits and a 4.76% increase in pages viewed.
- 75.2% of all traffic to Ryerson's website is from search engines. This is a 15.48% increase in search engine traffic over the previous year, highlighting the need to search engine optimize all pages.

Social Media

- Instagram:** Gained 606 followers to reach a benchmark of 22K.
- Facebook:** Gained 422 followers to reach a benchmark of 72K.
- Twitter:** Gained 223 followers to reach a benchmark of 55K.
- LinkedIn:** Gained 1.7K followers to reach 216K; 2K social engagements (likes, comments, shares); our content had 348K impressions
- Giphy:** 848K views of gifs and stickers.

Digital Marketing

- Led digital campaigns for YSGS (domestic recruitment, multi-channel, managed in-house), FEAS - MEIE (domestic recruitment, multi-channel, managed in-house) and First Robotics (promoted video views, managed in-house).
- Worked with agency partners to support campaigns for MBA (domestic, international and out-of-province recruitment), TRSM (domestic undergrad recruitment), Science (domestic grad recruitment) and Rams (U SPORTS National Basketball Championship event promo).
- Planning new digital campaigns to support Arts - Institute for Future Legislators, Alumni - Alumni Weekend 2019 and SciXchange - Science Rendezvous 2019, all to be managed in-house.

SENATE MEMBERSHIP (2019-2020)

FACULTY

(*Denotes new members)

	<u>TERM NUMBER</u>	<u>YEAR IN TERM</u>	<u>DEPARTMENT/SCHOOL</u>
Arts			
Tara Burke	(2)	(2 nd)	Psychology
Michelle Dionne	(2)	(1 st)	Chair, Psychology
Paul Moore	(1)	(2 nd)	Sociology
*Heather Rollwagen	(1)	(1 st)	Sociology
Communication and Design			
Vacant	(1)	(1 st)	
Chris Kular	(1)	(2 nd)	Graphic Communications Management
Peggy Shannon	(1)	(2 nd)	Chair, School of Performance
Matt Tiessen	(1)	(2 nd)	Professional Communication
Community Services			
Annette Bailey	(1)	(2 nd)	Daphne Cockwell School of Nursing
Esther Ignagni	(1)	(2 nd)	Disability Studies
Richard Meldrum	(1)	(2 nd)	Occupational & Public Health
Nancy Walton	(1)	(2 nd)	Director, Daphne Cockwell School of Nursing
Engineering and Architectural Science			
Ahmed El-Rabbany	(1)	(2 nd)	Civil Engineering
Dimitri Androultsos	(1)	(2 nd)	Chair, Electrical, Computer & Biomedical Engineering
Krishna Kumar	(2)	(2 nd)	Aerospace Engineering
Amir Yazdani	(1)	(2 nd)	Electrical, Computer & Biomedical Engineering
Science			
*Noel George	(1)	(1 st)	Chemistry & Biology
Andrew McWilliams	(2)	(1 st)	Chair, Chemistry & Biology
Andriy Miransky	(1)	(2 nd)	Computer Science
Sarah Sabatinos	(1)	(2 nd)	Chemistry & Biology
Ted Rogers School of Management			
Vacant	(1)	(1 st)	
Robert Hudyma	(2)	(2 nd)	Information Technology Management
Sergiy Rakhamayil	(2)	(2 nd)	Finance
James Tiessen	(2)	(2 nd)	Director, Health Services Management
G. Raymond Chang School of Continuing Education			
*Reg Noble	(1)	(1 st)	School of Nutrition, FCS
*Sam Benvie	(1)	(1 st)	Architectural Science, FEAS
Librarian			
Kelly Dermody	(1)	(2 nd)	
At-Large			
David Checkland	(1)	(2 nd)	Philosophy, Arts
*Alex Ferworn	(1)	(1 st)	Computer Science, FoS
Mandana Vahabi	(1)	(2 nd)	Nursing, Faculty of Community Services
Canadian Union of Public Employees			
Mary Green			
Ryerson Faculty Association			
Ron Babin			
Indigenous Faculty			
TBD			

SENATE MEMBERSHIP (2019-2020)

STUDENTS AND ALUMNI

<u>NAME</u>	<u>DEPARTMENT/SCHOOL</u>	<u>TERM</u>
<u>Arts</u> *Justina Kewal	Politics & Governance	1 st
<u>Communication & Design</u> *Minh-Khoi Kavin Nguyen	Interior Design	1 st
<u>Community Services</u> *Simon Donato-Woodger	Nursing	1 st
<u>Engineering and Architectural Science</u> *Danny Salman	Computer Engineering	1 st
<u>Science</u> *Jesse Mahabir	Biomedical Science	1 st
<u>Ted Rogers School of Management</u> *Milad Moghaddas	Business Management	1 st
<u>School of Graduate Studies</u> *Hamdy Elsayed *Katey Park	Civil Engineering Psychology	1 st 1 st
<u>G. Raymond Chang School of Continuing Education</u> *Domenic Bitondo *Vanessa Prevost	Economics & Finance Business Management	1 st 1 st
<u>At-Large</u> *Mehreen Arif *Olivia Karp *Hamza Shahid *Julia Spagnuolo	Ted Rogers School of Management, Business Management Faculty of Arts, Politics & Governance Faculty of Engineering & Architectural Science, Electrical Eng. Faculty of Community Services, Urban & Regional Planning	1 st 1 st 1 st 1 st
<u>RSU and CESAR Representatives</u> *Iyvan Chandran *River-Jordan Allick	Vice-President Education, Ryerson Students' Union (RSU) Vice-President Internal, Continuing Education Students Association of Ryerson (CESAR)	
<u>Alumni</u> *Nicholas Di Cuia *Samran Rattan		1 st year of 1 st term 1 st year of 1 st term

SENATE MEMBERSHIP (2019-2020)***EX OFFICIO***

Janice Fukakusa	Chancellor
Mohamed Lachemi	President, Vice-Chancellor and Chair of Senate
Michael Benarroch	Provost and Vice-President Academic
Deborah Brown	Vice-President, Administration and Operations
Steven Liss	Vice-President, Research and Innovation
Ian Mishkel	Vice-President, University Advancement and Alumni Relations
Denise O'Neil Green	Vice-President, Equity and Community Inclusion
Kelly MacKay	Vice Provost, Academic
Saeed Zolfaghari	Vice Provost, Faculty Affairs
Jen McMillen	Vice Provost, Students
Glenn Craney	Deputy Provost and Vice Provost, University Planning
Pam Sugiman	Dean, Arts
Charles Falzon	Dean, Communication and Design
Lisa Barnoff	Dean, Community Services
Thomas Duever	Dean, Engineering and Architectural Science
David Cramb	Dean, Science
Daphne Taras	Dean, Ted Rogers School of Management
Anver Saloojee	Dean of Record
*Cory Searcy	Interim Vice Provost and Dean, Yeates School of Graduate Studies
TBD	Dean, G. Raymond Chang School of Continuing Education
Charmaine Hack	Registrar
Carol Shepstone	Chief Librarian

SENATE ASSOCIATES (non-voting)

Anne-Marie Brinsmead	Chang School of Continuing Education
Muthana Zouri	Chang School of Continuing Education
<i>Vacant</i>	Canadian Union of Public Employees
<i>Vacant</i>	Canadian Union of Public Employees
*Elder Joanne Dallaire	Indigenous
*Riley Kucheran	Indigenous

ACADEMIC GOVERNANCE AND POLICY COMMITTEE (AGPC) 2019-2020 18 MEMBERS				
	NAME	POSITION	TERM EXPIRES	TERM #
EX-OFFICIO				
Provost and Vice President Academic (Chair)	Michael Benarroch			
Vice Provost, Academic (Vice Chair)	Kelly MacKay			
Vice Provost, Students	Jen McMillen			
Interim Vice-Provost and Dean, Yeates School of Graduate Studies	Cory Searcy			
Registrar	Charmaine Hack			
Secretary of Senate (non-voting)	Donna Bell			
SENATORS				
		Dean,		
	Paul Moore	Faculty, Arts		
	Richard Meldrum	Faculty, Community Services		
	Nancy Walton	Faculty, Community Services		
	Robert Hudyma	Faculty, TRSM		
	Sarah Sabatinos	Faculty, Science		
	Krishna Kumar	Faculty, FEAS		
	Anne-Marie Brinsmead	Senate Associate Chang School representative		
	Andrew McWilliams	Senate Chair representative		
	TBD	Graduate Student Senator		
	TBD	Undergraduate Student Senator		
	TBD	Undergraduate Student Senator		

Composition:

There shall be *ex officio* members, and members selected in accordance with the provisions of Articles 3.3 as follows:

- the Provost and Vice President Academic, who shall serve as Chair;
- the Vice Provost Academic, who shall serve as Vice Chair;
- the Vice Provost, Students;
- the Vice-Provost and Dean, Yeates School of Graduate Studies;
- the Registrar;
- one (1) Faculty Dean elected by and from the Faculty Deans;
- seven (7) faculty Senators representing at least five (5) of the Faculties, at least one of which whom is a Chair/Director, elected by faculty Senators;
- one (1) Senate Associate Chang School Representative;
- two (2) undergraduate student Senators ;
- one (1) graduate student Senator; and
- the Secretary of Senate (non-voting).

Terms of Reference:

- to propose, oversee, and periodically review Senate bylaws, policies and University procedures regarding any matter within the purview of Senate, except those matters for which responsibility is specifically assigned, in this Bylaw to another entity;
- to recommend to Senate the establishment of Policy Review Committees, each mandated by Senate to undertake a periodic review or special review of an existing policy or policies in a policy area; to ensure that such Review Committees draw substantially on appropriate experience and expertise in the policy area; and to ensure that appropriate co-ordination with other existing policies occurs by, as appropriate , having a Policy Review Committee report to the AGPC rather than directly to Senate;
- to propose new Senate policy in areas when and where there is no current policy and it is advisable, prudent /or necessary that there be policy; and to nominate to Senate a special sub-committee of the AGPC to research and draft such policy; and to forward the draft policy to Senate for consideration;
- to report to Senate with a Committee recommendation on all matters referred to AGPC by Senate or any Senate Committee; and
- to request reports from other University committees, sub-committees or departments whose business has an academic policy dimension, or a substantial effect on the academic mandate or performance of the University.

SENATE PRIORITIES COMMITTEE (SPC) 2019-2020 14 MEMBERS				
	NAME	POSITION	TERM EXPIRES	TERM #
EX-OFFICIO				
President (Chair)	Mohamed Lachemi			
Vice Chair, Senate (Vice Chair)	TBD			
Provost and Vice President Academic	Michael Benarroch			
Deputy Provost & Vice Provost, University Planning	Glenn Craney			
Vice Provost Academic	Kelly Mackay			
Secretary of Senate (non-voting)	Donna Bell			
ELECTED SENATORS				
	Lisa Barnoff	Dean, Faculty of Community Services		
	Tara Burke	Faculty Senator		
	Alex Ferworn	Faculty Senator		
	Andy McWilliams	Faculty Senator		
	David Checkland	Faculty Senator		
	Sergiy Rakhmayil	Faculty Senator		
	TBD	Graduate Student Senator		
	TBD	Undergraduate Student Senator		

Composition:

- the President, who shall serve as Chair;
- the Vice-Chair (who is the Vice-Chair of Senate);
- the Provost and Vice President Academic;
- the Vice Provost Academic;
- the Vice Provost, University Planning;
- one (1) member elected by and from the Deans, including Chang, YSGS, and library;
- five (5) members elected by and from the faculty Senators in accordance with Article 3.3.1;
- one (1) undergraduate student Senator;
- one (1) graduate student Senator; and
- the Secretary of Senate (non-voting)

Terms of Reference:

- to take responsibility to formulate, in consultation with the Secretary, the agenda for each Senate meeting, together with supporting documentation;
- to select, for at least two (2) Senate meetings per year, topics of importance and interest to the Ryerson community, and relevant to the responsibilities of Senate:
 - such topics shall be open for discussion in Committee of the Whole for an extended period, not normally to exceed ninety (90) minutes;

- the SPC shall notify Senate in advance of such topics and arrange for their presentation;
- to bring to the attention of Senate, and to consult with Senior administration regarding, emergent issues facing the University and, when appropriate, to recommend to Senate the referral of such issues to a Standing Committee, or to recommend to Senate the creation of an *ad hoc* Committee to address such an issue, or to recommend some other course of action;
- to establish a sub-committee, if desired either by Senate or the SPC, to examine and review the state of the University's overall finances and priorities with respect to their impact on academic programs and activities in light of the Academic Plan, and to present to Senate its findings and recommendations;
- to represent Senate in meetings with the Board of Governors (or representatives) that may be agreed upon from time to time regarding matters of mutual concern; and to report back to Senate as appropriate on the nature of, and any outcomes from, such meetings;
- to explore the implications and sustainability of the creation of new Faculties and/or Departments/Schools, and to advise Senate accordingly; and
- to act on behalf of Senate, if needed, during the summer months, and to report to Senate at the first meeting of the following Session any actions taken on its behalf.

REPORT OF ACADEMIC STANDARDS COMMITTEE**Report #W2019-4; May 2019**

In this report the Academic Standards Committee (ASC) brings to Senate its evaluation and recommendation on the following items:

- CHANG SCHOOL OF CONTINUING EDUCATION – Discontinuation of the Certificate in Environmental Sciences
- CHANG SCHOOL OF CONTINUING EDUCATION – Revision of graduation requirements for the Certificate in Economics and Finance
- CHANG SCHOOL OF CONTINUING EDUCATION – Discontinuation of the Certificate in Economics
- CHANG SCHOOL OF CONTINUING EDUCATION – New Certificates in Economics – Level 1 and Economics – Level 2
- CHANG SCHOOL OF CONTINUING EDUCATION – Discontinuation of the Certificate in Energy Management and Innovation
- CHANG SCHOOL OF CONTINUING EDUCATION – New Certificate in Energy Management and Conservation
- CHANG SCHOOL OF CONTINUING EDUCATION – Discontinuation of the Certificate in Financial Mathematics Modeling
- CHANG SCHOOL OF CONTINUING EDUCATION – New Certificate in Financial Mathematics Modeling and Predictive Analytics
- FACULTY OF ENGINEERING AND ARCHITECTURAL SCIENCE – Course Grading Variations
- DEPARTMENT OF PHYSICS – Course Grading Variations
- *For Information:* Chang School Certificates – Revisions (March 2019)

A. CHANG SCHOOL OF CONTINUING EDUCATION – Discontinuation of the Certificate in Environmental Sciences.

On January 29, 2019, the Curriculum Committee and Program Advisory Council for the Certificate in Environmental Sciences approved its discontinuation, effective Fall 2019. This certificate, housed within the Department of Chemistry and Biology, has been delivered for over twenty years through The Chang School's Engineering, Architecture & Science unit. There have been 77 graduates from 2009 to 2017, and enrollments in the last five years have decreased. Currently, 42 students are enrolled in the certificate, with 29 total enrolments in FY2018-19.

A communication will be sent to the 42 students advising them of the discontinuation. The communication will include a proposed schedule for the 2019/2020 academic year with 2 (two) courses offered each term so that students wishing to complete the program can make plans to do so. Accommodations, if required, shall be made to facilitate completion of certificate graduation requirements, including course substitutions and course directives. The earliest likely timeframe for discontinuation is the end of the 2020/2021 academic year.

Five of the CKES course are also electives in other certificates and are part of a Course Series in Environmental Sciences offered through The Chang School. There are no immediate plans to discontinue the courses. The status of certificate completions will be reviewed prior to making any recommendations to discontinue these courses.

Recommendation

Having satisfied itself of the merit of this proposal, the Academic Standards Committee recommends: *That Senate approve the discontinuation of the Chang School Certificate in Environmental Sciences.*

B. CHANG SCHOOL OF CONTINUING EDUCATION - Revision of graduation requirements for the Certificate in Economics and Finance

In November 2018 the Department Council for the Department of Economics voted in favour of revising the current, eight-course Certificate in Economics and Finance, housed in the Department of Economics, to a more condensed, six-course certificate, effective Fall 2019. The Department Council for Finance voted in favour of this proposed change on March 4, 2019.

The Certificate in Economics and Finance is comprised of eight, degree-credit courses: six required (CECN 104, CECN 204, CECN 506, CFIN 300, CFIN 401, and CFIN 501) and two electives. Designed for students who aspire to a career in banking and finance, as well as those who want to accelerate their careers, the certificate helps to develop strong analytical skills through a variety of foundational courses in both economics and finance. This certificate helps prepare students to qualify as a Chartered Financial Analyst (CFA) and/or Certified Financial Planner (CFP), or to pursue graduate studies in economics, finance, or business administration.

The Certificate in Economics and Finance has not attracted a large following. 67 students have registered in the certificate since its launch in 2011 and only twelve have graduated. Ten students have also discontinued or cancelled their registration.

An analysis of certificate student enrolment history suggests that eight courses is too long for such a certificate. In at least two cases, students completed seven courses, but discontinued before they completed the eighth and final course to graduate. More commonly, students had completed one to four courses and then discontinued. Another factor is that the finance courses require CACC 110 as a prerequisite, effectively making this a nine-course certificate for some students.

The Department of Economics and the School of Accounting and Finance believe that a shorter, six-course certificate may help increase student registration, retention, and graduation rates while still maintaining the academic goals and learning outcomes of the current eight-course certificate. Additionally, a shorter six-course certificate is similar in length to an undergraduate minor at Ryerson and is in keeping with current trends of shorter certificates in continuing education units across North America. It would be possible in the new six-course Economics and Finance certificate for students to complete the certificate in just three semesters, i.e., one academic year.

Proposed Curriculum Changes

The main changes will be to reduce the number of courses required for graduation from eight to six; and to move CECN 506: Money and Banking and CFIN 501: Investment Analysis from the required list of courses to the elective list of courses. The admission criteria and the minimum CPGA of 1.67 to graduate remain the same. A comparison between the current eight-course Certificate in Economics and Finance with the revised six-course Certificate in Economics and Finance follows:

Current Certificate (eight courses)	Revised Certificate (six courses)
Required Courses	Required Courses
CECN 104 Introductory Microeconomics	CECN 104 Introductory Microeconomics
CECN 204 Introductory Macroeconomics	CECN 204 Introductory Macroeconomics
CECN 506 Money and Banking	CFIN 300 Managerial Finance I
CFIN 300 Managerial Finance I	CFIN 401 Managerial Finance II

<p>CFIN 401 Managerial Finance II CFIN 501 Investment Analysis</p> <p>Electives (select two)</p> <p>Note: Students are allowed to choose only one of CECN 129 or CQMS 102 as their electives. Students are allowed to choose only one of CECN 721 or CFIN 621 as their electives.</p> <p>CECN 129 Statistics for Economics I CECN 301 Intermediate Macroeconomics I CECN 504 Intermediate Microeconomics I CECN 606 International Monetary Economics CECN 703 Public Sector Economics CECN 721 International Financial Markets CECN 803 Canadian Tax Policy CFIN 502 Personal Financial Planning CFIN 510 Small Business Finance CFIN 512 Risk Management and Insurance CFIN 601 Derivatives CFIN 612 Retirement and Estate Planning CFIN 621 International Finance CQMS102 Business Statistics I</p> <p>Admission Criteria It is recommended that applicants have the following: OSSD with six Grade 12 U, including Grade 12 U credits in English and Mathematics (one of which must be Advanced Functions, Calculus and Vectors, or Data Management), or M credits with a minimum grade of 70 percent; or equivalent; or mature student status. As well, student must have completed the following course or equivalent: CACC 110 Accounting: Financial Accounting</p> <p>Certificate Requirements The successful completion of eight courses, with a cumulative grade point average of 1.67 or higher, is required for the certificate.</p>	<p>Electives (select two)</p> <p>Note: Students are allowed to choose only one of CECN 129 or CQMS 102 as their electives. Students are allowed to choose only one of CECN 721 or CFIN 621 as their electives.</p> <p>CECN 129 Statistics for Economics I CECN 301 Intermediate Macroeconomics I CECN 504 Intermediate Microeconomics I CECN 506 Money and Banking CECN 606 International Monetary Economics CECN 703 Public Sector Economics CECN 721 International Financial Markets CECN 803 Canadian Tax Policy CFIN 501 Investment Analysis CFIN 502 Personal Financial Planning CFIN 510 Small Business Finance CFIN 512 Risk Management and Insurance CFIN 601 Derivatives CFIN 612 Retirement and Estate Planning CFIN 621 International Finance CQMS102 Business Statistics I</p> <p>Admission Criteria It is recommended that applicants have the following: OSSD with six Grade 12 U, including Grade 12 U credits in English and Mathematics (one of which must be Advanced Functions, Calculus and Vectors, or Data Management), or M credits with a minimum grade of 70 percent; or equivalent; or mature student status. As well, student must have completed the following course or equivalent: CACC 110 Accounting: Financial Accounting</p> <p>Certificate Requirements The successful completion of six courses, with a cumulative grade point average of 1.67 or higher, is required for the certificate.</p>
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Plan for Students in the Current Economics and Finance Certificate

The Registrar's policy on graduation states that a student must complete the curriculum requirements in effect as the time of registration in the certificate.¹ Therefore, students who register before July 1, 2019, will follow the

¹ <https://ce-online.ryerson.ca/ce/default.aspx?id=47>

curriculum of the eight-course Certificate in Economics and Finance. Students who register in the certificate after July 1, 2019 will follow the curriculum of the revised six-course Certificate in Economics and Finance.

There are currently 39 active students enrolled in the eight-course certificate. Each student will be contacted to let them know that the certificate is being discontinued as of June 30, 2019, but that the courses will continue to be offered, so that the students will be able to complete it. However, some students in the current eight-course certificate may wish to transfer into the revised six-course certificate. This option would only make sense for students who still have at least 50% of their coursework (i.e., 3 courses or more) to complete in the revised six-course certificate because students must complete 50% of their graduation requirements after they have registered in the certificate (as per Senate Policy #46: Undergraduate Grading, Promotion, and Academic Standing). In considering whether they should transfer, they should be aware that:

- All previous courses and grades will remain on their student record
- Any eligible courses that they have already taken will be used toward meeting their graduation requirements in the revised six-course certificate (e.g., if they have taken CECN 104 under the eight-course certificate, it will count toward graduation for the six-course certificate)
- Only courses taken after a student transfers to the six-course certificate will count toward the CGPA (e.g., if a student took CECN 104 in the eight-course certificate, the grade will not be part of CGPA for the six-course certificate)

The Academic Coordinator for Economics and the Program Director of Arts will advise current certificate students to help them determine whether transferring to the revised six-course certificate is a viable option.

Recommendation

Having satisfied itself of the merit of this proposal, the Academic Standards Committee recommends: *That Senate approve the revision of graduation requirements for the Chang School Certificate in Economics and Finance.*

C. CHANG SCHOOL OF CONTINUING EDUCATION – Discontinuation of the Certificate in Economics

In November 2018 the Department Council for the Department of Economics voted in favour of discontinuing the current, six-course Certificate in Economics, effective Fall 2019. The certificate dates back to 2002 when it was originally eight courses long. In 2013, the Department analyzed student registration and graduation rates and came to the conclusion that the certificate's length and prescriptive requirements made it difficult and unattractive for CNEDs to complete. Therefore, in Fall 2014 the certificate was shortened and its curriculum was revised to better reflect the structure and length of the Ryerson undergraduate Minor in Economics, which shares many of the same courses. The current certificate curriculum comprises six, degree-credit economics courses: two required courses (CECN 104 and CECN 204) and four electives.

In the last five years (Fall 2014–Winter 2019) there has been a marked increase in certificate registrations (245 versus 114 from Fall 2009–Spring 2014), but unfortunately the cancellation rate has also increased (35% versus 26.3% from Fall 2009–Spring 2014) and the graduate rate has actually dropped (4% versus 9.6% from Fall 2009–Spring 2014). An analysis of enrolment patterns of certificate students who did not graduate indicates that the current curricular structure is still not meeting continuing education student needs. Many of these students either take introductory economics courses or they take intermediate and advanced courses before discontinuing their registration.

For this reason, the department proposes discontinuing the current six-course certificate and replacing it with two four-course certificates: Level 1, a foundational certificate in economics; and Level 2, a certificate with intermediate and advanced level courses. It is believed that these new four-course certificates will be better suited to continuing education student needs, and will distinguish them from the six-course Minor in Economics that is designed specifically for undergraduate students.

Currently, there are 253 students who are considered active in the certificate. Each student will be contacted to let them know that the certificate is being discontinued as of June 30, 2019, but that the courses will continue to be offered, so that the students will be able to complete it. Students interested in transferring to one of the newly proposed Economics certificates, either Level 1 or Level 2, will be assessed on a case-by-case basis, which will depend in part on their level and how many courses they have already completed.

Recommendation

Having satisfied itself of the merit of this proposal, the Academic Standards Committee recommends: *That Senate approve the discontinuation of the Chang School Certificate in Economics*

D. CHANG SCHOOL OF CONTINUING EDUCATION – New Certificates in Economics - Level 1 and Economics - Level 2

The Department of Economics proposes replacing the current six-course certificate in Economics with two four-course certificates: 1) the Certificate in Economics: Level 1, a foundational certificate in economics; and 2) the Certificate in Economics: Level 2, a certificate with intermediate and more advanced level courses, effective Fall 2019. Because these two certificates are closely related, and the Certificate in Economics: Level 1 can ladder into the Certificate in Economics: Level 2, this proposal will cover both certificates together.

Certificate Goals

The goal of the Certificate in Economics: Level 1 is to provide students with an understanding of the principles of economics that will be useful not only for their careers, but also possibly for more advanced studies in economics or a related field. Students completing the certificate will be able to demonstrate knowledge of basic microeconomic and macroeconomic theory, and the application of such theory to various subfields of economics, including environmental economics, monetary economics, or international economics.

The goal of the Certificate in Economics: Level 2 is to provide students with a deeper understanding of economic theory and quantitative methods in order to prepare them for analytically-focused careers and/or graduate studies in economics or a related field. In particular, students completing the certificate will be proficient in applying mathematical and statistical tools to the analysis of a wide variety of economic and business problems.

Societal Need and Target Group

The Certificate in Economics: Level 1 is designed for students with limited or no background in economics who wish to acquire training that will be useful not only for their careers, but also possibly for more advanced studies in economics or a related field. This certificate provides students with an understanding of the principles of economics without requiring the mathematical preparation that would be required for some of the more advanced courses in the Certificate in Economics: Level 2. Students already working or aspiring to become employed in business, the government, the nonprofit sector, or the legal system will find this certificate gives them a new lens through which to view the issues they face.

The Certificate in Economics: Level 2 is designed for students who already possess a basic foundation in economics, such as the Certificate in Economics: Level 1, as well as a first course in calculus, such as CECN 189 (Introductory Mathematics for Economics). The courses for this certificate are more focused on economic theory and quantitative methods, which will prepare students for deeper analysis of a variety of topics, such as labor economics, environmental economics, or public sector economics. Students with a degree in another field may pursue this certificate as a stepping stone in pursuing graduate studies in economics or a related field. Please note that the completion of this certificate by itself does not satisfy the admission requirements for graduate school applications.

Certificate Structure

The Certificate in Economics: Level 1 consists of two required courses and two electives.

Required Courses

- CECN 104 Introductory Microeconomics
- CECN 204 Introductory Macroeconomics

Electives (select two)

- CECN 189 Introduction to Mathematics for Economics (Prerequisite: CECN109)
- CECN 220 Evolution of the Global Economy
- CECN 301 Intermediate Macroeconomics I (Prerequisites: (CECN101 or CECN104) and (CECN201 or CECN204))
- CECN 321 Introduction to Law and Economics (Prerequisite: ECN 101 or CECN 104 or Direct Entry)
- CECN 340 The Economics of Human Behaviour
- CECN 502 Economics of Energy and Natural Resources (Prerequisites: (ECN 101 or CECN 104) and (ECN 201 or CECN 204) or Direct Entry)
- CECN 504 Intermediate Microeconomics I (Prerequisites: (ECN 101 or CECN 104) and (ECN 201 or CECN 204) or Direct Entry)
- CECN 506 Money and Banking (Prerequisites: (ECN 101 or CECN 104) and (ECN 201 or CECN 204) or Direct Entry)
- CECN 511 Economy and the Environment
- CECN 512 The Economics of Sex (Prerequisite: ECN 101 or CECN 104 or CECN 110 or CECN 210 or Direct Entry)
- CECN 603 Canada and Global Economic Issues (Prerequisite: ECN 101 or CECN 104 or ECN 201 or CECN 204 or CECN 210 or Direct Entry)
- CECN 640 The Economics of Immigration (Prerequisites: (ECN 101 or CECN 104) and (ECN 201 or CECN 204) or Direct Entry)
- CECN 722 The Economics of Sports

The Certificate in Economics: Level 2 consists of four courses, one of which must be CECN 301 or CECN 504.

Elective courses (select four)

- CECN 230 Mathematics for Economics (Prerequisite: CECN 189 or CMTH 189 or ECN 89A/B or QMS 130 or CQMS 702)
- CECN 301 Intermediate Macroeconomics I (Prerequisites: (ECN 101 or CECN 104) and (ECN 201 or CECN 204) or Direct Entry)
- CECN 501 Industrial Organization (Prerequisite: CECN 504)
- CECN 504 Intermediate Microeconomics I (Prerequisites: (ECN 101 or CECN 104) and (ECN 201 or CECN 204) or Direct Entry)
- CECN 510 Environmental Economics (Prerequisite: ECN 101 or CECN 104 or Direct Entry)

CECN 600 Intermediate Macroeconomics II (Prerequisite: CECN 301)
CECN 601 The Economics of Information (Prerequisite: CECN 504)
CECN 605 Labour Economics (Prerequisites: (ECN 101 or CECN 104) and (ECN 201 or CECN 204) or Direct Entry)
CECN 606 International Monetary Economics (Prerequisite: CECN 301)
CECN 614 An Introduction to Game Theory (Prerequisite: CECN 504)
CECN 627 Econometrics I (Prerequisites: (CECN 230 or CMTH 310) and (CECN 329 or CQMS 442 or CMTH 404))
CECN 700 Intermediate Microeconomics II (Prerequisite: CECN 504)
CECN 702 Econometrics II (Prerequisite: CECN 627)
CECN 703 Public Sector Economics (Prerequisite: CECN 504)
CECN 707 Economics of International Trade (Prerequisite: CECN 504)
CECN 715 Advanced Microeconomics (Prerequisite: CECN 700)
CECN 803 Canadian Tax Policy (Prerequisite: CECN 504)
CECN 808 Economic Growth and Technological Change (Prerequisites: CECN 301 and CECN 504)
CECN 815 Advanced Macroeconomics (Prerequisites: CECN 230, CECN 504 and CECN 600)

Development Plan

All the courses offered in Level 1 and Level 2 have already been developed and are available for offer at The Chang School.

Admission Criteria

For the Certificate in Economics: Level 1, it is recommended that students have the following: OSSD with six Grade 12 U (including Grade 12 U credits in English and Mathematics) or M credits, or equivalent, or mature student status.

For the Certificate in Economics: Level 2, it is recommended that students have the following: OSSD with six Grade 12 U (including Grade 12 U credits in English and Mathematics) or M credits, or equivalent, or mature student status. Students are also required to have taken CECN 189 or its equivalent.

Academic Management and Governance

The Economics department will serve as the academic home for both the Certificate in Economics: Level 1 and the Certificate in Economics: Level 2. The Dean of Record will be the Dean of Arts. Administrative support will be the responsibility of The G. Raymond Chang School of Continuing Education. Routine matters, both academic and administrative, will be the responsibility of the Academic Coordinator.

Recommendation

Having satisfied itself of the merit of this proposal, the Academic Standards Committee recommends: *That Senate approve the new Chang School Certificates in Economics – Level 1 and Economics – Level 2*

E. CHANG SCHOOL OF CONTINUING EDUCATION – Discontinuation of the Certificate in Energy Management and Innovation

The six-course Certificate in Energy Management and Innovation has been delivered since Fall 2013 through The Chang School's Engineering, Architecture & Science unit. The Academic Home, jointly shared by the FEAS Dean's Office, the Centre for Urban Energy and the Department of Electrical, Computer and Biomedical Engineering and the certificate's curriculum committee have approved that this certificate be discontinued, effective Fall 2019.

Enrollments in the last five years have been steady, with 30 students currently enrolled in the certificate. There have been 8 graduates from Academic Year 2015-16 to Academic Year 2017-18.

The approval of the discontinuation of this certificate was granted, contingent on the approval, by Senate, of the proposed new 4-course Certificate in Energy Management and Conservation. The certificate's Curriculum Committee and Program Advisory Council approved the discontinuation of this certificate on November 7, 2016 and again on March 4th, 2017. The FEAS Dean's Council on November 17, 2016 approved the discontinuation of this certificate. Chair Dimitri Androutsos approved the discontinuation of this certificate on October 22, 2018. The Dean of FEAS approved the discontinuation of this certificate on October 31, 2018.

A communication will be sent to current students enrolled in the Energy Management and Innovation certificate to advise them that the certificate is being discontinued but that the courses will continue to be offered. Therefore, students currently enrolled in the certificate will be able to complete it. A new certificate in Energy Management and Conservation, with a four-course graduation requirement, is pending approval by Senate, commencing delivery Fall 2019. Students wishing to transfer to the new 4 course certificate will be assessed on a case by case basis.

Recommendation

Having satisfied itself of the merit of this proposal, the Academic Standards Committee recommends: *That Senate approve the Chang School discontinuation of the Certificate in Energy Management and Innovation.*

F. CHANG SCHOOL OF CONTINUING EDUCATION – New Certificate in Energy Management and Conservation

A four-course Certificate in Energy Management and Conservation is being proposed by the Department of Electrical and Computer Engineering and the Centre for Urban Energy, in collaboration with The Chang School, effective Fall 2019. The certificate's Curriculum Committee and Program Advisory Council approved this new certificate proposal document on November 7, 2016 and again on March 4th, 2017. The FEAS Dean's Council on November 17, 2016 approved this certificate. Chair Dimitri Androutsos approved this certificate on October 22, 2018. The Dean of FEAS approved this certificate on October 31, 2018.

Certificate Goals

The Certificate in Energy Management and Conservation's overarching goals equip certificate candidates with a range of knowledge and skills that include:

- Assess, implement and manage energy technologies, including green renewables and energy smart grids;
- Successfully execute energy distribution and delivery to the End user and / or customer, within demand management and conservation;
- Maximize energy innovation within the parameters of risk mitigation and management; and
- Effectively leverage and navigate large-scale energy public policy in Canada, politics and other entrepreneurial interests in the energy space or learn about renewable energy systems.

The curriculum is designed to meet the need for a new generation of professionals equipped with the advanced, technical and analytical skills in demand in Canada's and the world's energy sector. The four required courses provide students with critically important and current best practices, as well as the standards, and applied knowledge and skills in the field.

Societal Need and Target Audience

The focus of the certificate program is to deliver pertinent, practical, timely and effective education in the areas of energy and conservation. Each of these domains is widely recognized as having significant and growing societal importance with respect to electricity, natural gas, legal, financial, educational, research, public utility, local distribution companies, transmission companies, generation companies and energy institutions and infrastructure. Each is the subject of on-going intensive research and development, from the scientific, technology, legal, social and policy perspectives. Each offers its practitioners academic, professional and para-professional (technical) career opportunities and employment options.

The new certificate program is for people who aspire to work or currently are working in the energy management sector. In terms of educational aspirations based on surveys, the vast majority of respondents indicate interest in further graduate level studies, which may be another indicator of the calibre of students attracted to this Chang School certificate program.

The certificate program is also for people aspiring to work in sectors across a range of professional specializations. Certificate candidates may be:

- individuals with post-secondary education but with no experience in the sector: or
- individuals with no post-secondary education but with experience in the energy management sector.

Certificate Structure

The Certificate in Energy Management and Conservation consists of four (4) required 39-hour courses in total. None of the courses have prerequisites. These required courses are offered through Ryerson University's D2L online course management system for online delivery. All courses are OSAP eligible.

Required Courses:

CTEC 241 Energy Innovation
CTEC 269 Trends in Energy Conservation
CTEC 264 Trends in Smart Grid
CTEC 282 Public Policy in Energy

Development Plan

The new four-course Certificate in Energy Management and Conservation will be offered in Fall 2019. During Spring and Summer 2019, course assignments in the certificate courses will be authored to include assignment components that are interdisciplinary and align with the learning outcomes of each course and the certificate overall. Case studies in the energy management and conservation field will be referenced and/or authored and folded into course content. In addition, the certificate's Development Plan recommends that the standing curriculum committee assess the type of evaluation used across the curriculum in order to ensure that there is an appropriate range of skills and critical thinking development. It is also recommended that communication among instructors be encouraged to ensure symmetry and comparability of expectations and assignments across the curriculum and curriculum currency.

Admission Criteria

The new certificate does not have any required pre-requisite courses for admission. It is recommended that applicants have the following:

Mature student status and evidence of relevant college or university level coursework, or equivalent
OR

Mature student status together with relevant industrial or professional experience

Undergraduate students wishing to pursue a continuing education certificate program should be aware of possible restrictions.

Academic Management and Governance

The certificate will reside in the Office of the FEAS Dean, together with the Department of Electrical and Computer Engineering and the Centre for Urban Energy in the Faculty of Engineering and Architectural Science (FEAS). Administrative support is the responsibility of The Chang School of Continuing Education. Routine matters, both academic and administrative, are the responsibility of the Academic Coordinator in collaboration with The Chang School Program Director. The Standing Curriculum Committee includes RFA members from the Department of Electrical and Computer Engineering, Fellows from the Centre for Urban Energy and other relevant contributors.

Recommendation

Having satisfied itself of the merit of this proposal, the Academic Standards Committee recommends: *That Senate approve the Chang School new Certificate in Energy Management and Conservation.*

G. CHANG SCHOOL OF CONTINUING EDUCATION – Discontinuation of the Certificate in Financial Mathematics Modeling

The Certificate in Financial Mathematics, comprised of six courses, has been delivered through The Chang School's Engineering, Architecture & Science unit since Fall 2014. Enrollments in the last five years have been steady, with 26 students currently enrolled in the certificate and 27 graduates from 2014 to 2016.

The certificate's academic home, the Department of Mathematics, first approved the discontinuation of this certificate on November 3rd, 2016. The certificate's Curriculum Committee and Program Advisory Council approved the discontinuation of this certificate on November 7, 2016, on March 4, 2017, and again on February 5, 2018. The Department of Mathematics and the new interim Chair re-approved the discontinuation of this certificate on September 19, 2018. The approval of the discontinuation of this certificate was granted, contingent on the approval by Senate, of the proposed new 4-course Certificate in Financial Mathematics Modelling and Predictive Analytics.

A communication will be sent to students enrolled in the Financial Mathematics Modelling certificate to advise them that the certificate is being discontinued but that the courses will continue to be offered. Therefore, students currently enrolled in the certificate will be able to complete it. A new certificate in Financial Mathematics Modeling and Predictive Analytics, with a four-course graduation requirement, is pending approval by Senate, commencing delivery in Fall 2019. Students currently registered in the discontinued certificate who wish to transfer to the new 4-course certificate will be assessed on a case by case basis.

Recommendation

Having satisfied itself of the merit of this proposal, the Academic Standards Committee recommends: *That Senate approve the Chang School discontinuation of the Certificate in Financial Mathematics Modeling.*

H. CHANG SCHOOL OF CONTINUING EDUCATION – New Certificate in Financial Mathematics Modeling and Predictive Analytics

A Certificate in Financial Mathematics Modeling and Predictive Analytics is being proposed by Ryerson University's Department of Mathematics in collaboration with The Chang School, effective Fall 2019. The Department of Mathematics Council and the Chair approved this certificate on November 3rd, 2016. The certificate's Curriculum Committee and Program Advisory Council approved this certificate on November 7, 2016 and this certificate proposal document on March 4, 2017. The council made additional revisions and reapproved the certificate proposal on February 5, 2018. The Department of Mathematics and the new interim Chair re-approved this proposal on September 19, 2018.

Certificate Goals

The Certificate in Financial Mathematics Modeling and Predictive Analytics' overarching goals are to equip certificate candidates with a range of knowledge and skills that include:

1. To provide knowledge and a solid understanding of financial math modeling theory, methodologies, predictive models, and financial instruments to ensure accurate financial predictions.
2. To provide understanding and application of statistics and probability theory and the implications for predicting financial outcomes; provide knowledge of modeling of stock market (and market) phenomena, computing prices of financial products in order to measure, control and predict financial risk.
3. To provide opportunities for skills development in analyzing and modeling financial solutions, critical thinking and problem-solving, collaboration, flexibility and adaptability to respond to challenges or predicted crises arising in financial markets.

Societal Need and Target Audience

A large part of today's economy depends heavily on how deftly information is interpreted and used. This is most notable in cases where wealth is being managed; the delicate interrelationship between government policies, stake-holder expectations, global market forces and unexpected events, make investment, predictive financial analytics and risk analysis three areas that should be managed by experts. The complexities of these topics are compounded as businesses, managing financial institutions and markets are continuously changing because of innovation (e.g. FinTech, Bitcoin, Blockchain, etc.), competition and a plethora of external forces that require adaptation to an ever-evolving economic and financial environment.

By necessity, several areas of training in Mathematics and related disciplines are needed to approach the complex issues involved. Indeed, the financial industry employs large numbers of people with advanced and sophisticated knowledge. A background in advanced Mathematics, Financial Mathematics Modeling, Financial Predictive Analytics and Computation are essential ingredients for success in an increasing number of positions within the financial industries. Advanced mathematics is at the centre of many standard models used by the financial industry. More importantly, mathematical techniques and concepts are used to describe and predict financial markets. Therefore, mathematics acts as an important language employed by large parts of the financial community.

The certificate program is targeted toward professionals who have mature student status, have completed university coursework or one or more university degrees, and ideally have professional experience in a related field. The certificate program is also targeted to people aspiring to work in the sector from across a range of professional specializations. Certificate candidates may also be:

- individuals with university coursework, a Bachelor degree or higher but with no experience in the sector; or

- individuals with university coursework, a Bachelor degree or higher and with experience in the sector.

Certificate Structure

The Certificate consists of four (4) required 39-hour courses in total. These required courses are offered through The Chang School via in-class delivery.

Required Courses:

CMTH 500 **Mathematics:** Introduction to Stochastic Processes (prerequisite: CMTH404 or CMTH480 or CECN702)

CMTH 600 **Mathematics:** Computational Methods in Mathematics (prerequisite: CMTH501 or CMTH510)

CMTH 700 **Mathematics:** Financial Mathematics I (prerequisite: CMTH500)

CMTH 800 **Mathematics:** Financial Mathematics II (prerequisite: CMTH700)

A Laddering Course Series to the Certificate to Fulfill Pre-Requisite Course Requirements

The four certificate courses have pre-requisites. The following Course Series permits those individuals, who aspire to take the Certificate but who are identified by the Academic Coordinator as requiring one or more pre-requisite courses, to ladder into the Certificate by taking the existing Course Series in Financial Predictive Analytics. The Course Series description is below:

Course Series in Financial Predictive Data Analytics

It is to be noted that this course series is comprised of the pre-requisite courses for the Financial Mathematics Modeling and Predictive Analytics Certificate. This course series ladders to the certificate program.

Students must complete three (3) of the following courses:

Choose one (1) of the following:

CMTH380 Probability and Statistics I (39 hours)

CMTH304 Probability and Statistics I (39 hours)

CIND123 Data Analytics: Basic Methods (39 hours)

Choose one (1) of the following:

CMTH480 Probability and Statistics II (39 hours)

CMTH404 Probability and Statistics II (39 hours)

Choose one (1) of the following:

CMTH501 Numerical Analysis I (39 hours)

Development Plan

All courses already exist. However, over Spring/Summer 2019 all courses will be revised for currency, for equity, diversity and inclusion and for up-to-date best applied practices and approaches, and will be ready for delivery commencing Fall 2019.

In addition, the certificate's Development Plan recommends that the standing curriculum committee assess the type of evaluation used across the curriculum in order to ensure that there is an appropriate range of skill and critical thinking development. It is also recommended that communication among instructors be encouraged to

ensure symmetry and comparability of expectations and assignments across the curriculum and curriculum currency.

Admission Criteria

It is recommended that applicants have the following:

Mature student status and evidence of university level coursework in mathematics, economics, and/or finance, or equivalent (to be determined by the Academic Coordinator)

OR

Mature student status and other relevant qualifications or relevant industry experience (to be determined by the Academic Coordinator)

An interview/placement assessment is required for this program.

Academic Management and Governance

The academic home for this Certificate is the Department of Mathematics in the Faculty of Science.

Administrative support is the responsibility of The Chang School of Continuing Education. Routine matters, both academic and administrative, are the responsibility of the Academic Coordinator in collaboration with The Chang School Program Director. The Certificate's Standing Curriculum Committee and Program Advisory Council meet regularly at the call of the Chair or at the request of the academic coordinator, for example, to propose changes to existing courses and certificates or to consider new curriculum.

Recommendation

Having satisfied itself of the merit of this proposal, the Academic Standards Committee recommends: *That Senate approve the Chang School new Certificate in Financial Mathematics Modeling and Predictive Analytics.*

I. FACULTY OF ENGINEERING AND ARCHITECTURAL SCIENCE – Course Grading Variations

1. Introduction

It is proposed that the Faculty of Engineering and Architectural Science courses listed below include grading variations, as follows:

In order for a student to pass a course identified in the departmental lists provided below, in addition to earning 50% or more of the overall course mark, the student must pass:

- the weighted combination of the quiz, midterm and final exam marks by earning 50% or more, AND
- the laboratory component by earning 50% or more, if there is a laboratory component.

In the respective course outline, the quiz, midterm test, final exam, and laboratory components should be clearly designated and the weight for each component should be given.

Department of Chemical Engineering

CHE214, CHE215, CHE217, CHE319, CHE413, and CHE430

Department of Electrical, Computer, and Biomedical Engineering

BME100, BME229, BME323, BME328, BME406, BME423, BME501, BME506, BME516, BME532, BME538, BME632, BME639, BME674, BME700, BME703, BME704, BME705, BME772, BME777, BME800, BME802, BME804, BME808, BME809, BME872,
COE318, COE328, COE428, COE501, COE528, COE538, COE608, COE628, COE700, COE718, COE758, COE768, COE800, COE817, COE818, COE838, COE848, COE865, EES512, EES604, EES612,

ELE202, ELE302, ELE401, ELE404, ELE504, ELE531, ELE532, ELE614, ELE632, ELE635, ELE637, ELE639, ELE700, ELE707, ELE709, ELE714, ELE719, ELE724, ELE725, ELE734, ELE745, ELE746, ELE754, ELE792, ELE800, ELE801, ELE804, ELE806, ELE809, ELE815, ELE819, ELE829, ELE846, ELE861, ELE863, ELE882, ELE884, ELE885, ELE888

Department of Mechanical and Industrial Engineering

MEC222, MEC309, MEC311, MEC322, MEC323/BME323, MEC325, MEC411, MEC430, MEC431, MEC511, MEC514, MEC516/BME516, MEC531, MEC613, MEC616, MEC617, MEC626, MEC701, MEC709, MEC713/IND713, MEC721, MEC733, MEC740, MEC751, MEC809, MEC810, MEC811, MEC813/IND810, MEC816, MEC817, MEC832/IND832, MEC850, MTL200, MTL300, MTL700, BME100, BME423, IND300, IND303, IND400, IND405, IND508, IND600, IND604, IND605, IND708, IND710, IND712, IND816, IND833

2. Rationale

The majority of courses offered by the engineering departments listed above have three major groups of assessment:

- Group A - assessments of explicit knowledge (e.g., quizzes, midterm tests, and final exam),
- Group B - assessments of hands-on practical knowledge (e.g., laboratory work and reports), and
- Group C - other assessments (e.g., assignments, presentations, and project reports).

The licensure requirements for an applicant to practice professional engineering in Canada normally include meeting the stipulated academic requirements, fulfilling the engineering work experience requirements, and successfully completing the Professional Practice Examination. Holding an undergraduate engineering degree from a Canadian Engineering Accreditation Board (CEAB)-accredited program will meet the stipulated academic requirements for licensure. Therefore, to ensure that each graduate meets the academic requirements, it is necessary to require a student to pass the assessments in explicit knowledge (Group A) and hands-on practical knowledge (Group B) separately. A student has to demonstrate minimal competency on both. The primary purposes of other assessments (Group C) are to advance learning.

Recommendation

Having satisfied itself of the merit of this proposal, the Academic Standards Committee recommends: *That Senate approve the Faculty of Engineering and Architectural Science course grading variations.*

J. DEPARTMENT OF PHYSICS – Course Grading Variations

1. Introduction

It is proposed that the first year physics courses listed below include course grade variations, as follows:

Students must pass the lab component (50% of lab component, i.e. min. 10% in final grade should be for labs where labs are worth 20% of overall grade), as well as separately pass theory component (50% of theory component, i.e. min. of 40 % in the final grade should be for theory, where ‘theory’ includes all other assessments, such as exams, midterms, quizzes, tutorial work) in the following courses:

- PCS120 – Physics I**
- PCS130 – Physics 2**
- PCS125 – Physics: Waves and Fields**
- PCS211 – Physics: Mechanics**
- PCS228 – Electricity and Magnetism**

These grade variations will be clearly communicated through the respective course outline information as well as through the course management form. Students who fail to pass either the lab or the theory course component but have earned an overall passing grade in the course will be given an opportunity to redeem their failed grade in one or more of the following ways:

- A - During the semester, all missing lab experiments by students will be communicated to the Physics Lab Coordinator (technical staff dedicated to physics lab coordination). The lab coordinator will try to accommodate the student in another session of the lab that s/he has missed as soon as possible.
- B - Dept. of Physics holds a week of makeup lab during the last week of each term. The physics lab coordinator along with a few lab GAs will accommodate all remaining students with missed labs during that week.
- C - Opportunity to write a supplementary final exam.

2. Rationale

The grading scheme ensures that students gain knowledge and skills for both integral components of physics: experimentation and theory. The courses subject to this grading variation are ALL first-year physics courses. Enrollments in these courses are typically large and their lab components constitute 5 simple physics experiments for the entire course in a given semester. The implemented grading variation is an effective method to ensure students pass the course with the required knowledge gained in the theory component of the course as well as with the experiential learning component provided during the laboratory experiments. The grading variation has been implemented and conducted successfully in these first-year physics courses for many years.

The upper year physics courses also have laboratory components. However, due to the maturity of students, their developed habit of attending the labs, and a better understanding of the role of laboratory experiments in their education, we do not see the need to build in these grading variations in upper year courses.

Recommendation

Having satisfied itself of the merit of this proposal, the Academic Standards Committee recommends: *That Senate approve the Department of Physics course grading variations.*

J. For Information: CHANG SCHOOL CERTIFICATES - REVISIONS (March 2019)

- i. Certificate in Canadian Social Work Practice: Course Deletion (Elective) and Course Repositioning (Move from elective to required)
- ii. Certificate in Applied Digital Geography and GIS and Certificate in Advanced Applied Digital Geography and GIS: Clarification of Language (Electives)
- iii. Certificate in Design for Arts and Entertainment: Course Deletion; Course Addition (Elective)
- iv. Certificate in Film Studies: Course Additions and Deletions (Electives)
- v. Certificate in Project Management: Revision of CKPM Certificate Courses
- vi. Certificate in Public Relations: Course Deletion: Course Addition (Elective)
- vii. Certificate in Photography Studies: Course Addition (Elective)

Respectfully Submitted,

Kelly MacKay, Chair for the Committee

ASC Members:

Charmaine Hack, Registrar

Donna Bell, Secretary of Senate

Kelly MacKay, Chair and Vice Provost Academic

Denise O-Neil Green, Vice President/Vice Provost, Equity and Community Inclusion

Bettina West, Director, Curriculum Quality Assurance

Dan Horner, Faculty of Arts, Criminology

Stephanie Walsh-Matthews, Faculty of Arts, Arts & Contemporary Studies

Bob Clapperton, Faculty of Communication & Design, Professional Communication

Thomas Tenkate, Faculty of Community Services, Occupational and Public Health

Annette Bailey, Faculty of Community Services, Nursing

Andy Gean Ye, Faculty of Engineering and Architectural Science, Electrical & Computer Engineering

Donatus Oguamanam, Faculty of Engineering and Architectural Science, Mechanical & Industrial Engineering

Noel George, Faculty of Science, Chemistry & Biology

Jeffrey Fillingham, Faculty of Science, Chemistry & Biology

Christopher Gibbs, Ted Rogers School of Management, Hospitality and Tourism Management

Donna Smith, Ted Rogers School of Management, Retail Management

Val Lem, Library

Linda Koechli, Chang School of Continuing Education

Dalia Hanna, Chang School of Continuing Education

Jacob Circo, Student

Yelda Nuri, Student



Academic Governance and Policy Committee (AGPC)
Report #W2019-4

1. Academic Governance and Policy Committee (AGPC) - M. Benarroch

1.1 Senate Bylaw #1 Amendment (see attached) – D. Checkland

Motion: *That Senate approve the proposed amendment to Senate Bylaw #1.*

1.2 Policy #103: Mission and Aims of Ryerson University – N. Thomlinson

Motion: *That Senate approve the proposed amendment to Policy #103: Mission and Aims of Ryerson University.*

1.3 Faculty of Science (FoS) Faculty Council Bylaws – D. Cramb

Motion: *That Senate approve the Faculty of Science (Fos) Faculty Council Bylaws.*

Respectfully submitted,

M. Benarroch, Chair,
Provost & Vice President Academic

On behalf of the Committee:

K. MacKay, Vice Provost Academic

J. McMillen, Vice Provost Students

C. Hack, Registrar

D. Bell, Secretary of Senate

T. Duever, Dean, Faculty of Engineering & Architectural Science

D. Checkland, Faculty of Arts

S. Dolgoy, Faculty, Faculty of Communication and Design

R. Meldrum, Faculty of Community Services

S. Sabatinos, Faculty, Science

K. Kumar, Faculty, Faculty of Engineering & Architectural Science

R. Hudyma, Faculty, Ted Rogers School of Management

A.M. Brinsmead, Chang School Program Director

F. Khan, Undergraduate Student Senator

J. Circo, Undergraduate Student Senator,

R. Kucheran, Yeates School of Graduate Studies Student Senator

Motion: That Senate approve the proposed amendment to Senate Bylaw #1:

Article 1: Definition of terms

Add new Article 1.12

1.12 **Indigenous:** understood by Ryerson University to include persons who self-identify as First Nations, Inuit, or Métis.

And re-number existing articles 1.12 thru 1.20 as 1.13 thru 1.21

Article 2: Composition of Senate

Replace

2.2.1.4 *Indigenous faculty:* The shall be one (1) Indigenous faculty member elected by the Aboriginal Education Council (AEC) from all Indigenous faculty using procedures developed by the AEC in consultation with the AGPC with the wider Indigenous community.

With

2.2.1.4 *Indigenous faculty:* There shall be one (1) Indigenous faculty member elected by and from those faculty who self-identify as Indigenous to the Chief Electoral Officer/Secretary of Senate. The Chief Electoral Officer/Secretary of Senate shall invite faculty (in a manner specified in the Election Guidelines and Procedures) to notify that office regarding such self-identification in order to produce a comprehensive list of voters as part of the nomination process set out in Article 3.

AND: that the mechanism of electing an Indigenous Senator be reviewed prior to the next election for this position.

NOTICE OF MOTION: 25 March 2019 meeting of the Senate Priorities Committee:
THAT the Senate Priorities Committee refer to the Academic Governance and Policy Committee the following proposed amendment to Policy 103 (1994).

WHEREAS: Article 3 of the *Ryerson Act* defines the “objects” of the University as follows:

- 1) The advancement of learning, and the intellectual, social, moral, cultural, spiritual, and physical development of the University's students and employees, and the betterment of society.
- 2) The advancement of applied knowledge and research in response to existing and emerging societal needs and in support of the cultural, economic, social, and technological development of Ontario.
- 3) The provision of programs of study that provide a balance between theory and application and that prepare students for careers in professional and quasi-professional fields.

and WHEREAS: Policy 103, which is a joint policy of Senate and the Board of Governors establishes the “Mission” of Ryerson University as follows:

The special mission of Ryerson University is the advancement of applied knowledge and research to address societal need, and the provision of programs of study that provide a balance between theory and application and that prepare students for careers in professional and quasi-professional fields.

As a leading centre for applied education, Ryerson is recognized for the excellence of its teaching, the relevance of its curriculum, the success of its students in achieving their academic and career objectives, the quality of its scholarship, research and creative activity, and its commitment to accessibility, lifelong learning, and involvement in the broader community.

and WHEREAS: the first “object” of the University, as set out in the *Ryerson Act* is conspicuous by its absence in the internal statement of Mission approved by Senate and the Board of Governors;

NOW THEREFORE BE IT RESOLVED THAT: the first paragraph of the section of Senate Policy 103 headed “Ryerson University Mission” be amended to read:

The mission of Ryerson University is:

- 1) The advancement of learning, and the intellectual, social, moral, cultural, spiritual, and physical development of the University's students and employees, and the betterment of society; and
- 2) The advancement of applied knowledge and SRC research in response to existing and emerging societal needs and in support of the cultural, economic, social, and technological development of Ontario; and
- 3) The provision of programs of study that provide a balance between theory and application and that prepare students for careers in professional fields.

and BE IT FURTHER RESOLVED THAT: the Ryerson Board of Governors be asked to ratify this amendment.

Note: Amendment is presented in Policy 103 that follows and is highlighted in yellow.

RYERSON UNIVERSITY **POLICY OF SENATE**

Mission and Aims of Ryerson University

Policy Number:	103
Presented by:	Terence Grier, President
Approval Date:	June 13, 1994 (ratified October 4, 1994) (also ratified by The Board of Governors)
Policy Review Date	Reformatted January, 2002
Responsible Committee or Office	President

RYERSON UNIVERSITY MISSION

The mission of Ryerson University is:

- 1) The advancement of learning, and the intellectual, social, moral, cultural, spiritual, and physical development of the University's students and employees, and the betterment of society; and
- 2) The advancement of applied knowledge and SRC research in response to existing and emerging societal needs and in support of the cultural, economic, social, and technological development of Ontario; and
- 3) The provision of programs of study that provide a balance between theory and application and that prepare students for careers in professional fields.

As a leading centre for applied education, Ryerson is recognized for the excellence of its teaching, the relevance of its curriculum, the success of its students in achieving their academic and career objectives, the quality of its scholarship, research and creative activity, and its commitment to accessibility, lifelong learning, and involvement in the broader community.

AIMS OF THE UNIVERSITY

In carrying out its mission, Ryerson will be guided by the following institutional aims:

To provide its students an educational experience of high quality, fostering in them professional knowledge and skills, critical enquiry, ethical standards, creativity, commitment to lifelong learning, a capacity to make an early and sustained contribution to their chosen field and to be effective problem solvers. It will reflect:

- excellence and commitment to teaching that encourages students to play an active part in their learning;

- a curriculum of professional and liberal studies which offers the breadth and depth required to appreciate society's broader issues and problems, and the understanding and knowledge necessary for professional leadership;
- academic programs which combine theory and practice, directly connected to their professional fields, that anticipate and respond to emerging trends and future societal need;
- interdisciplinary studies and international perspectives;
- activities and support systems that enhance success and well-being of the whole student.

To promote scholarly, research and creative activities which reinforce the teaching and learning experience, which attract external support, and will be of benefit to society.

To provide career-oriented continuing education and life-long learning opportunities that are accessible, responsive, and comprehensive.

To facilitate the creation of professional partnerships and the transfer of knowledge and technology between the workplace and the university.

To ensure that all employees at Ryerson will be respected for their unique contributions to the university's mission, will treat one another with trust and dignity; and will join in fostering a fair and equitable environment where creativity, teamwork, genuine participation and the capacity to reach one's potential are both valued and actively encouraged.

To dedicate itself to respect for human rights and dignity and to a caring, safe and humane environment which is accessible, diverse, equitable and free from discrimination and harassment.

To combine accountability, openness, academic freedom, professional responsibility, and integrity in its processes of decision-making and governance.

To ensure that its educational and public responsibilities reflect the changing needs of the local, regional, national and international communities it seeks to serve.

Faculty of Science

Faculty Council Bylaw

General Terms of Reference (ToR)

Approved by Faculty:

Approved by Senate:

Revised By Faculty of Science Faculty Council:

1. Definition of Terms

- **Senate Policy:** Ryerson University Senate Policy.
- **Faculty Council:** Formal Faculty Council, as defined by Senate Policy.
- **Member:** Voting member of the Faculty Council.
- **Faculty/School:** The Faculty of Science (FoS).
- **Department/School:** an academic unit in FoS with its own Chair or Director. These include:
 - Department of Chemistry and Biology
 - Department of Computer Science
 - Department of Mathematics
 - Department of Physics
- **Chair:** The elected Chair of Faculty Council
- **Dean:** Dean of FoS
- **Faculty Member:** member or associate member of the Ryerson Faculty Association (RFA), appointed or cross-appointed to FoS.
- **Contract Lecturer:** Limited Contract (Temporary) Instructors who are members of the CUPE 3904 Unit 1 bargaining units who teach FoS courses during the current academic year.
- **Undergraduate/Graduate Student:** individual currently registered full-time or part-time in a FoS undergraduate/graduate program leading to an undergraduate/graduate degree.
- **Staff:** current full-time contract or career employees of FoS who are members of OPSEU or MAC

2. Mandate

The role and responsibilities of the Faculty Council shall be as follows:

- Coordinate the development, submission, and review of undergraduate and graduate degree programs, graduate certificates, and Chang School Certificate programs.
- Make recommendations to the Senate and other appropriate bodies on the Academic Plan of the Faculty and academic policies affecting the Faculty.
- Review periodic reports submitted by each of the Standing Committees established under these terms of reference and make recommendations to the Dean on matters arising from these reports.
- Make recommendations to the Faculty on matters identified as significant by the Faculty Council and/or Dean.

3. Council Structure

3.1. Membership

- **Voting Membership:** The following are voting members of Faculty Council:
 - **Full time Faculty Membership:** All faculty members are voting members of the Faculty Council.
 - **Contract Lecturer Membership:** 2 members selected *annually* from CUPE Unit 1 Contract Lecturers, with no more than one member selected by each department in the Faculty of Science
 - **Student Membership:**
 - One undergraduate student from each Department elected *annually* by undergraduate students.
 - Two graduate students elected *annually* by graduate students.
 - **Staff Membership elected *annually* by the respective groups:** 2 members elected by and from MAC and OPSEU
- **Ex Officio Membership (non-voting):**
 - President of the University (or designate)
 - Provost and Vice-President of the University (or designate)
 - Dean of the Faculty of Science
 - Associate Deans of the Faculty of Science
 - Secretary of Ryerson University Senate
 - President of the Ryerson Faculty Association
 - President of CUPE Local 3904
 - President of the students' Ryerson Science Society
 - Dean of the Yeates School of Graduate Studies (or designate)

3.2. Term Office

- The term of office of elected members of Council shall be two years, starting on July 1 and ending on June 30, with the exception of student members whose term starts at the beginning of September and lasts for one year.
- The terms of office for members of Council's Standing Committees shall also be two years, starting on July 1 and ending on 30 June, unless the committee's ToR establishes a different term of office for members of that particular committee.

3.3. Quorum of Council

- At all meetings of the Council, a quorum shall consist of at least four faculty members from each department.

3.4. Officers

- **Chair & Vice-Chair:** Tenured faculty members elected by the members of the Council, and by virtue of this election have and enjoy the authority and respect of the Council.
- **Recording Secretary:** Appointed by the Dean.

3.5. Duties of Office

A thorough knowledge of the ToR and Robert's rules of order is a prerequisite for all officers of Council.

- **Chair:** The Chair shall preside at all meetings of the Council, enforce the objectives, operating rules of the ToR, and rules of order, and ensure that the committees perform their duties. It is the duty of the Chair to maintain order and decorum, read motions to the meeting so that they may be debated, decide questions of order and procedure, submit motions or other proposals to the meeting for its decision by a vote, and to adjourn the meeting when its business is concluded.
The Chair has the responsibility of ensuring that the rights of individuals as members are upheld and respected. He or she also has the responsibility and authority of ensuring, as far as possible, that the business before the meeting is expedited and facilitated, and that deliberate systematic dilatory efforts on the part of a member or small group are ruled out of order.
- **Recording Secretary:** The Recording Secretary shall:
 - assist the Chair in circulating written notice and agenda of Council meetings;
 - prepare and maintain a record of the current membership (including alternates, if there be any) with their email addresses.
 - take minutes during Council meetings, and prepare and circulate these minutes; and

- maintain soft and hard master copies of the ToR and revise them as Council approves changes.

3.6. Committees

- Committees shall review, develop and make recommendations to the Faculty Council on matters related to their respective mandates.

Standing Committees

- Faculty Council shall have three (3) standing committees with composition and terms of reference approved by Faculty Council. They are:
 - **Executive Committee (ExeC)**
 - **Dean's Advisory Committee (DAC)**
 - **Undergraduate Curriculum Committee (UCC)**
 - **Graduate Curriculum and Policy Committee (GCPC)**
- Faculty Council, through the ExeC, shall establish and periodically review the terms of reference and composition of standing committees. The ExeC may make recommendations to Faculty Council regarding the establishment or dissolution of standing committees.
- Any standing committee may recommend to Faculty Council –via the ExeC, changes to its terms of reference and composition.
- The ExeC shall review Faculty Council ToR every three years and report/recommend proposed changes to Council. The ExeC will facilitate alignment of Council, Senate, and Department by-laws.
- Standing committees must submit a written report to Faculty Council on their activities once every academic year, and that report should be included in the agenda of the last Council meeting of the academic year.

Ad Hoc Committees

- An ad hoc committee may be formed for a limited term by a Faculty Council resolution. Members need not be members of council. Unless reconstituted by Council, the committee is dissolved upon presentation of its report. The motion to establish an ad hoc committee must include the terms of reference of the committee, and may include:
 - the proposed number of members on the committee;
 - details of proposed distribution of members, if any;
 - names of proposed members of the committee, if any; and
 - the committee report date.
- Terms of reference not specified by a Faculty Council motion will be established by the Chair of Faculty Council, in consultation with the ExeC.
- The Chair of Council shall have the authority to form an Ad Hoc committee, as needed, between scheduled council meetings.

4. Rules of Procedure for the Election and Appointment of Members to Council

- Elections and appointments for all constituencies will be completed and reported to the Secretary of Council in March of each year for the following academic year.
- **Elections Officer:** The Secretary of Council shall act as the Elections Officer and oversee all elections of Council.

5. Meetings and Procedures

- **Schedule of Council and Standing Committees Meetings**
 - **Council Meetings:** Meetings will be held at least four times in an academic year. The Secretary shall announce the dates for the year's meetings no later than August 1st taking into consideration applicable academic deadlines.
 - **Standing Committees:** Standing committees shall meet as required. Each committee shall submit and present a written report to Council at least once per academic year, the preferred time being at a regular meeting or after consultation with Council Chair. A standing committee may request that the Chair of Council call a special meeting of Council to report on the work and recommendations of the committee.
 - **Special Meetings:** A special meeting of the Faculty Council :
 - can be called by the Dean; or
 - will be called when a written request is submitted to the Chair by any voting member supported by at least 15% of the voting members of Council. Upon receipt of such a request, a meeting shall be scheduled to be held within 10 days.
- **Meeting Agenda:**
 - The agenda for meetings will be circulated to Members by the Secretary at least 5 working days prior to the meeting. The ExeC will set the agenda.
 - A Faculty Council Member may propose an item for inclusion on a meeting agenda. The proposed items must be received by the Secretary at least 14 days in advance of the day of the meeting at which they are to be discussed. They shall be considered by the ExeC and the form of the motions shall be set out on the Agenda.
 - The notice of meeting may identify items to be dealt with by consent. A consent agenda item is deemed to be approved unless, prior to the commencement of a meeting, one or more Members advise the Chair of a request to debate it.
 - The Dean will be given the opportunity to inform/update the Faculty Council of current news, events, and initiatives prior to the consideration of new businesses and motions.
- **Rules of Order:** Meetings will be conducted under the provisions of Robert's Rules of Order unless modified by the FoS Faculty Council ToR.

- Faculty Council meetings shall be open unless a motion to conduct part of any meeting in camera is approved by a majority of Members present and voting.
- **Forwarding of Recommendations:** Recommendations approved by the Faculty Council are forwarded to the Dean or other appropriate individuals or bodies.
 - Recommendations that require Senate approval are forwarded by the Dean to the Senate.
 - Department/Undergraduate Program Council recommendations for matters related to undergraduate curriculum are forwarded to Senate via the UCC. Other recommendations for policies, procedures, or academic planning are forwarded to Senate via the Dean's Advisory Committee.
 - Where the Dean submits a recommendation to Senate upon which the Faculty Council and Dean have disagreed, the Faculty Council motion and vote count will be presented to Senate by the Chair or designate.
 - In the event of a disagreement, between the Dean and Faculty Council, on a recommendation decision that does not require Senate approval the parties shall:
 - Attempt an amicable resolution which may include the withdrawal, postponement, amendment, or further study of the disputed motion through committee.
 - If the parties cannot resolve the matter amicably, the Provost will recommend a dispute resolution mechanism in consultation with the Chair.

6. Debates and Votes

- **Recognition:** A member or visitor who wishes to speak shall raise his or her hand, await recognition by the Chair and then address the Chair.
- **Voting:**
 - Only voting members may vote at Faculty Council meetings.
 - The Chair may vote only to break a tie.
 - Votes must be cast in person
 - When the Chair is satisfied that the debate on an agenda item has covered the full range of issues, or when a motion to call the question has been approved, the Chair shall call the question.
 - If a motion to call the question is not approved by a vote, debate on the question may be continued and the question may be called by the Chair later in the same meeting when the Chair is satisfied that a fulsome debate has occurred.
 - When a question has been called, no motion can be made and no other intervention is permitted until the tally is completed and the results announced.
 - Motions shall be decided by a show of hands. The Chair shall determine the aggregate outcome and announce the outcome as "carried" or "defeated."

- Any Voting Member may request that the numbers, or that his/her own vote, be recorded in the Minutes.
- Any Voting Member may make a motion that the issue on the floor be decided by secret ballot. The motion is not debatable and requires only a simple majority to be passed. The Chair may use their discretion to require a paper ballot on motions.
- **Abstentions:** Voting Members may choose not to vote. Abstentions are not votes, are not recorded, and are not factored in the tallying of votes (although Voting Members who are present and who choose not to vote are counted as part of quorum).
- **Majorities:** Motions shall be decided by a simple majority of those present and voting, except those specified in these Terms of Reference as requiring a two-thirds majority. Motions that shall require a two-thirds majority are:
 - A motion to revise or augment the Agenda for the meeting.
 - A motion to amend the Faculty Council Terms of Reference.

7. Changes to these Terms of Reference

- Proposed changes to Faculty Council Terms of Reference shall be submitted in writing to the Chair and the ExeC at least 14 days before a scheduled Meeting.

REPORT OF THE SCHOLARLY, RESEARCH AND CREATIVE ACTIVITY COMMITTEE

Report #W2019-1; April 2019

In this report the Scholarly, Research and Creative Activity Committee brings to Senate its recommendation on revisions to Policy 56 – Publication of SRC Results with a request for approval of the revised policy.

Recommendation

- The SRCAC recommends that Senate approve the revisions to Policy 56 – Publication of SRC Results

Respectfully Submitted,

Steven N. Liss, Chair for the Committee

SRAC Members:

- Naomi Adelson, Associate Vice-President, Research and Innovation
- Jennifer MacInnis, Legal Counsel and Senior Director, Applied Research & Commercialization and Research Grants
- Patrizia Albanese, Chair, Research Ethics Board
- Cory Searcy, Associate Dean, Graduate Studies
- Alexandra Orlova, Associate Dean, Research and Graduate Studies, Arts
- Hong Yu, Associate Dean, Research and Graduate Programs, Ted Rogers School of Management
- Charles Davis, Associate Dean, SRC Activities, Communications and Design
- Jennifer Martin, Associate Dean, Faculty Development, Undergraduate Students and SRC, Community Services
- Michael Kolios, Associate Dean, Research and Graduate Studies, Science
- Sri Krishnan, Associate Dean, Research, Engineering and Architectural Science
- Jane Schmidt, Associate Chief Librarian (Acting)
- Donna Bell, Secretary of Senate
- Andriy Miransky, Faculty, Science
- Idil Atak, Faculty, Arts
- Yuanshun Li, Faculty, Ted Rogers School of Management
- Catherine Schryer, Faculty, Communication and Design
- Cecilia Rocha, Faculty, Community Services
- Guangjun Liu, Faculty, Engineering and Architectural Science
- Brian Cameron, Librarian
- Thomas Duever, Dean, Engineering and Architectural Science
- Eno Hysi, Graduate Student
- Fahim Khan, Undergraduate Student Senator

SCHOLARLY, RESEARCH AND CREATIVE ACTIVITY COMMITTEE REPORT

Report #W2019-1; April 2019

At its meeting on April 8, 2019, the Scholarly, Research and Creative Activity Committee (SRCAC) considered revisions to Policy 56 – Publication of SRC Results.

This report provides a rationale for the policy revisions as well as an explanatory note for the changes made. The updated Policy 56 – Publication of SRC Results is included in Appendix A. The SRCAC approved the proposed revisions to Policy 56, shared it with the Academic Governance and Policy Committee (AGPC) and recommends that Senate adopt the updated policy.

Policy 56 – Publication of SRC Results

The Publication of SRC Results policy was last amended in March, 2002.

Minor updates to the policy were required to clarify language and match the standards for Canadian universities.

Because the policy revisions were minor, the policy was updated internally by the Office of the Vice-President, Research and Innovation and then brought to the Scholarly, Research and Creative Activity Committee for approval and shared with the Academic Governance and Policy Committee.

Summary of changes

- Followed the new Senate policy template
- Removed the delay clause
- Amended the “student theses” clause so that only the student could request a delay
- Clarified the publication of results to reflect the standard of by date of submission

**RYERSON UNIVERSITY
POLICY OF SENATE****APPENDIX A****PUBLICATION OF SRC RESULTS**

Policy Number: 56

Responsible Office: Vice President, Research and Innovation

Revision Approval Date: <INSERT>

Next Policy Review Date: 2024

1. PURPOSE

Academic freedom and free access to results form the basis of University research, thus any restrictions placed upon this freedom must have strong justification. In the case of research undertaken for or in conjunction with private sector and public sponsors certain restrictions may be necessary, but at no time should private or public sponsors be allowed to prohibit the publication of research results. Academic freedom must remain paramount, and the University is committed to this practice.

2. APPLICATION AND SCOPE

This policy applies to any agreements concerning scholarly, research or creative (SRC) activity entered into by the University.

3. CONFIDENTIAL INFORMATION

In the course of SRC activity, the University may receive proprietary or confidential information pertinent to the activity from a sponsor, collaborator or other party. Where proprietary or confidential information is provided by a third party to facilitate SRC activity the University can, on behalf of the individual researchers, agree that such information will be kept confidential and will not be divulged, except where such information:

1. becomes public knowledge; or
2. was developed independently by the University or by another body without access to the information; or
3. was lawfully received from a third party; or
4. was disclosed in response to a court order by a Canadian court of law, or
5. is permitted to be disclosed by the provider of the information.

All individual researchers will be bound by the University's obligation of confidentiality with respect to the information as a condition of their participation in the SRC activity.

4. PUBLICATION OF SRC RESULTS

As part of a SRC agreement a sponsor, may wish to negotiate provisions that allow for a delay in the publication or other disclosure of SRC findings. Such a delay should not normally exceed ninety days from submission of a paper or presentation.

In exceptional circumstances the University may agree to a delay up to one year after the submission of a paper or presentation, in the event:

- i) the sponsor has industrial or commercial rights which it wishes to protect arising out of the research;
- ii) the sponsor has requested a right of first publication.

As part of a SRC agreement the University may agree that a sponsor of SCR activity can review proposed publication(s) or presentation(s) arising from the SRC activity for a period of up to sixty days prior to their publication or presentation to evaluate if the results warrant protection and/or to confirm that proprietary or confidential information provided by the sponsor is not divulged by the publication or presentation. This review period will be included in the timeframe specified for any delay in publication. Sponsors should not have any editorial control, however, over the publication or disclosure of SRC results.

5. STUDENT THESES

At the request of the author, the University may withhold the publication of a thesis for up to one year following the defence and approval of the thesis. Such requests will not be unreasonably withheld.

It is the faculty supervisor's responsibility to inform all students working on the project that such a request may be forthcoming prior to the student commencing work on the project.

In the case of graduate theses, all requests must be made in writing to the Dean of Graduate Studies (or designate), stating the reasons for the requested publication delay. Prior to granting approval, the Dean (or designate) will consult with the Office of the Vice President, Research and Innovation, prior to granting such a request on behalf of the University.

In the case of undergraduate theses, all requests must be made in writing to the Dean of the relevant Faculty, stating the reasons for the requested publication delay. Prior to granting approval, the Dean will consult with the Office of the Vice President, Research and Innovation.

Any such delay cannot interfere with the granting of course credit or a degree to the student who has completed the requirements of such course(s) or degrees.