

University of Waterloo
SENATE EXECUTIVE COMMITTEE
Notice of Meeting

Date: Monday 1 May 2023

Time: 3:30 p.m. – 4:30 p.m.

Place: Zoom (see meeting invitation for link)

AGENDA	Action
1. Minutes of the 6 March 2023 Meeting *	Decision
2. Business Arising from the Minutes	Information
3. Approval of Membership to Senate Committees and Councils and to the Board of Governors *	Decision
4. Draft 15 May 2023 Senate Agenda *	Decision
5. Other Business	

24 April 2023

Tim Weber-Kraljevski
Governance Officer

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University of Waterloo
SENATE EXECUTIVE COMMITTEE
Minutes of the 3 April 2023 Meeting
[in agenda order]

Present: Michael Beauchemin, Joan Coutu, Catherine Dong, Mary Hardy, Vivek Goel (chair), Tim Weber-Kraljevski (secretary), Christiane Lemieux, Carol Ann MacGregor, Graham Murphy, Luke Potwarka, Mary Robinson, James Rush, Clarence Woudsma, Stephanie Ye-Mowe

Regrets: Jeff Casello, Julian Surdi

Guests: Diana Gonçalves, Andrea Kelman

1. MINUTES OF THE 6 MARCH 2023 MEETING

A motion was heard to approve the minutes as presented. Beauchemin and Coutu. Carried.

2. BUSINESS ARISING FROM THE MINUTES

There was no business arising.

3. ELECTIONS TO SENATE COMMITTEES AND COUNCILS AND TO THE BOARD OF GOVERNORS

Goel provided an overview of the report and noted the current vacancies.

A motion was heard to recommend that Senate acclaim the membership of Senate committees and councils and the Board of Governors as provided on the list of nominees to approve. Murphy and Robinson. Carried.

A motion was heard to recommend that Senate delegate approval to the Senate Executive Committee for any vacancies which exist. MacGregor and Coutu. Carried.

4. DELEGATION OF AUTHORITY – ROSTER OF GRADUANDS

Goel spoke to the proposal, observing that the proposal:

- Reflects the customary practice for Senate to delegate its authority to approve the roster of graduands, which in recent years, has been made to the Senate Executive Committee;
- Empowers the Chair and Vice-Chair of Senate to provide even greater agility to ensure adequate time is given to the Registrar's Office and Community Relations and Events in planning convocation ceremonies to ensure an optimal experience for graduands; and
- This delegation of authority be provided on an annual basis, for the convocation ceremonies schedule in the upcoming twelve-month period.

A motion was heard to recommend that Senate approve the delegation of its authority for the approval of the roster of graduands jointly to the chair and vice-chair of Senate, for convocation ceremonies scheduled in June 2023 and October 2023. And to recommend that Senate directs that a full report on the graduands be presented for information to the Senate meeting following the relevant convocation. Beauchemin and Murphy. Carried.

5. PROPOSAL TO AMEND EX-OFFICIO MEMBERSHIP OF SENATE FOR CONSIDERATIONS OF EQUITY, DIVERSITY, AND INCLUSION IN SENATE MEMBERSHIP

Goel spoke to the report and proposal, highlighting:

- In response to the feedback at May Senate the initial proposal presented to amend Senate Bylaw 4 to remove of five (5) named ex-officio members, items (a)-(e) in the bylaw, and add five ex-officio members designated by the president, was taken off the table;
- This revised proposal addresses Senators' concerns and achieves the same goals surrounding the University's commitments of positive action in the space of equity, diversity, inclusion and anti-racism (EDI-R), as well as having made a full commitment to decolonization, Indigenization and reconciliation; and

- A correction to an error in the title of the Associate Vice-President, Equity, Diversity, Inclusion and Anti-Racism in the report.

A motion was heard to recommend that Senate gives first reading to the amendments to Senate Bylaw 4 as presented in this report with the revision to the AVP EDI-R title, with said amendments to effect:

- a. Removal of the Vice-President, Advancement, the Vice-President, University Relations, and the Deputy Provost, Integrated Planning and Budgeting as ex-officio members of Senate.
- b. Addition of the Associate Vice-President, Equity, Diversity, Inclusion and Anti-Racism, the Associate Vice-President, Indigenous Relations, and the Associate Vice-President, Academic Operations as ex-officio members of Senate.

Robinson and Beauchemin. Carried.

6. TIMING OF SENATE MEETINGS

Goel reminded members that the proposal to amend Senate's meeting schedule, and the format of Senate meetings will be going to April Senate for a second reading, and spoke to the feedback provided by the Graduate Student Relations Committee (GSRC) and the Undergraduate Student Relations Committee (USRC), and the analysis by the Registrar's Office.

Members discussed:

- Concerns with moving the timing of Senate adversely affecting student Senators;
- The number of courses affected with alternate timing;
- The importance of providing the recommended supports to student Senators; and
- Monday morning or Friday afternoon as possible alternatives;

As members could not reach consensus on changing the timing of Senate meetings, it was decided that Senate would keep the existing timing and that Committee would seek additional feedback from Senators through the Senate effectiveness survey.

7. DRAFT SENATE SELF-EVALUATION SURVEY

This item was received for information.

8. DRAFT 17 APRIL 2023 SENATE AGENDA

Members inquired about: the grading scheme motion from the Senate Graduate & Research Council (SGRC), if in programs where the pass is above 60%, is that clearly stated in those programs; and the rationale for the revisions to the inactive status definition for the Mathematics for Teachers (MMT) program motion from SGRC. The secretary will take these inquires Casello to provide an answer.

There was a motion to approve the 17 April 2023 Senate agenda, as presented. Couto and Beauchemin. Carried.

9. OTHER BUSINESS

There was no other business.

With no other business, the meeting was adjourned at 04:05 p.m.

7 April 2023

Tim Weber-Kraljevski
Governance Officer

For Approval

Open Session

To: Senate Executive Committee

Sponsor: Vivek Goel, President and Vice-Chancellor
Contact Information: president@uwaterloo.ca

Presenter: Vivek Goel, President and Vice-Chancellor
Contact Information: president@uwaterloo.ca

Date of Meeting: May 1, 2023

Agenda Item Identification: 3. Approval of Membership to Senate Committees and Councils and to the Board of Governors

Recommendation/Motion 1:

To approve the membership of Senate committees and councils and the Board of Governors where vacancies exist as provided on the list of nominees (see attached).

Summary:

At the 17 April 2023 Senate meeting, Senate approved the delegation of approval to Senate Executive Committee for any vacancies which exist in the membership of Senate committees and councils and the Board of Governors to ensure that all committees have complete memberships prior to the beginning of the governance year on 1 May 2023. Recommendations received after the 17 April 2023 Senate meeting for approval are highlighted in the attached document with red text.

There are several positions in the attached document labeled 'Vacancy'. The faculty Board of Governor seats will be decided via election completed after 1 May 2023 to ensure the seats are filled prior to the June 2023 Board meeting. The remaining vacancies will be approved by the Committee via electronic ballot once recommendations are received. The deans and the chair of the heads of the affiliated and federated institutions of Waterloo have been asked to recommend names of faculty member nominees, the presidents of the Waterloo Undergraduate Student Association and Graduate Student Association have been asked to recommend names of student nominees, and Alumni Relations has been asked to recommend Alumni nominees for the vacant seats.

Documentation Provided:

Attachment 1: List of Nominees

Attachment 1: List of Nominees

Senate Executive Committee - Terms 1 May 2023 to 30 April 2024

Faculty – One from each Faculty

Faculty of Arts – Joan Coutu
Faculty of Engineering – Mary Robinson
Faculty of Environment – Clarence Woudsma
Faculty of Health – Luke Potwarka
Faculty of Mathematics – Christiane Lemieux
Faculty of Science – Laura Deakin

Faculty from affiliated and Federated Institutions of Waterloo – one

Carol-Ann MacGregor

Undergraduate Students - two

Catherine Dong
Rory Norris

Graduate Student - one

Vacancy

Alumni - one

Vacancy

Finance Committee - Terms 1 May 2023 to 30 April 2024

Faculty – One from each Faculty

Faculty of Arts – David Ha
Faculty of Engineering – Marc Aucoin
Faculty of Environment – Erin O’Connell
Faculty of Health – Ellen MacEachen
Faculty of Mathematics – Martin Karsten
Faculty of Science – Stanley Woo

Faculty from affiliated and Federated Institutions of Waterloo – one

Scott Kline

Undergraduate Students - two

Sonia Ismail
Rida Sayed

Graduate Student - one

Vacancy

Alumni - one

Vacancy

Senate Long Range Planning Committee - Terms 1 May 2023 to 30 April 2024**Faculty – One from each Faculty**

Faculty of Arts – Shana MacDonald
Faculty of Engineering – Siva Sivoththaman
Faculty of Environment – Rob Gorbet
Faculty of Health – Narveen Jandu
Faculty of Mathematics – Kevin Hare
Faculty of Science – Trevor Charles

Faculty from affiliated and Federated Institutions of Waterloo – one

Kristiina Montero

Undergraduate Students - two

Ceileigh McAllister
Annie Yang

Graduate Student - one

Vacancy

Alumni - one

Diana Vangelisti

Honorary Degrees Committee - Terms 1 May 2023 to 30 April 2024**Faculty – One from each Faculty**

Faculty of Arts – Veronica Kitchen
Faculty of Engineering – Nasser Abukhdeir
Faculty of Environment – James Nugent
Faculty of Health – Peter Hall
Faculty of Mathematics – Changbao Wu
Faculty of Science – Natalie Hutchings

Faculty from affiliated and Federated Institutions of Waterloo – one

Troy Osborne

Undergraduate Students - two

Rory Norris
Labibah Salim J

Graduate Student - one

Vacancy

Alumni - one

Vacancy

Office of the President

Graduate and Research Council - Terms 1 May 2023 to 30 April 2025

Faculty from affiliated and Federated Institutions of Waterloo – one

Steven Bednarski

Graduate Student - two

Vacancy - Engineering

Vacancy - Mathematics

Senate Undergraduate Council - Terms 1 May 2023 to 30 April 2025

Faculty – One from each Faculty

Faculty of Arts – Vacancy

Faculty of Health – Chris Vigna

Faculty from affiliated and Federated Institutions of Waterloo – one

Alysia Kolentsis

University Committee on Student Appeals - Terms 1 May 2023 to 30 April 2025

Faculty – One from each Faculty - Terms 1 May 2023 to 30 April 2025

Faculty of Arts – Vacancy

Faculty of Engineering – Vacancy

Faculty of Health – John Mielke

Faculty – One from each Faculty - Terms 1 May 2023 to 30 April 2024

Faculty of Environment – Erin O’Connell

Faculty of Mathematics – Carmen Bruni

Faculty of Science – Rick Marta

Staff – Two

Terms 1 May 2023 to 30 April 2024

Alison Hitchens

Terms 1 May 2023 to 30 April 2025

Stephen Cook

Undergraduate Students - two

Terms 1 May 2023 to 30 April 2024

Stephanie Ye-Mowe - Environment

Vacancy

Terms 1 May 2023 to 30 April 2025

Vacancy

Vacancy

Graduate Student - two

Vacancy

Vacancy

Board of Governors – Terms 1 May 2023 – 30 April 2025

Faculty – three - Terms 1 May 2023 – 30 April 2025

Vacancy

Vacancy

Vacancy

Undergraduate Students – Three

Terms 1 May 2023 – 30 April 2024

Rory Norris

May 2023 – 30 April 2025

Catherine Dong

Asher Scaini

Graduate Student – One - Terms 1 May 2023 – 30 April 2025

Vacancy

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SENATE
 MONDAY 15 May 2023
 3:30 P.M. EST
 NH3407/Zoom

TIME	AGENDA ITEM	PAGE	ACTION
	OPEN SESSION		
3:30 p.m.	1. Conflict of Interest	Oral	Declaration
	2. Approval of the Agenda	Oral	Decision
	3. Minutes of the 17 April 2023 Meeting	15	Decision
	4. Business Arising from the Minutes	Oral	Input
	5. Senate Work Plan	21	Information
3:35 p.m. (10 mins)	6. Report of the President a. President's Update	Oral	Information
3:45 p.m. (15 mins)	7. Report – Senate Graduate & Research Council a. Major Program Modification to the Master of Engineering (MEng) in Mechanical and Mechatronics Engineering – Co-operative Program <i>Motion: To approve adding a direct entry Co-operative program/option to the MEng in Mechanical and Mechatronics Engineering Program, effective 1 September 2023, as presented.</i>	23	Decision
	b. Major Program Modification to the Graduate Diploma (GDip) in Design Engineering and Graduate Diploma (GDip) in Design Engineering – Co-operative Program <i>Motion: To approve discontinuing the type 2 GDip in Design Engineering and the type 2 GDip in Design Engineering – Co-operative Program, effective 1 September 2023, as presented.</i>	33	Decision
	c. Major Program Modification to the Master of Mathematics (MMath) in Statistics <i>Motion: To approve discontinuing the coursework study option from the MMath in Statistics program, effective 1 September 2023, as presented.</i>	41	Decision

TIME	AGENDA ITEM	PAGE	ACTION
4:00 p.m. (5 mins)	<p>8. Report – Senate Undergraduate Council</p> <p>a. Closure of Application to Part-Time On-Campus Three-Year General Science Program</p> <p><i>Motion: That Senate approve the closure of application to part-time on-campus Three-Year General Science program, effective 1 September 2023, as presented.</i></p>	49	Decision
4:05 p.m. (15 mins)	<p>9. Amendments to Policy 33 – Ethical Behaviour</p> <p><i>Motion: That Senate approve the amendments to Policy 33, as presented in the attachment to this report, and that Senate recommends the amendments to the Board of Governors for approval.</i></p>	51	Decision
4:20 p.m. (5 mins)	<p>10. Amendment to Bylaw 4 – Ex-Officio Membership</p> <p><i>Motion: That Senate gives second and final reading to the amendments to Senate Bylaw4 as presented in this report, with said amendments to effect:</i></p> <p>i. <i>Removal of the Vice-President, Advancement, the Vice-President University Relations, and the Deputy Provost, Integrated Planning and Budgeting as ex-officio members of Senate</i></p> <p>ii. <i>Addition of the Associate Vice-President, Equity, Diversity, Inclusion and Anti-Racism, the Associate Vice-President, Indigenous Relations, and the Associate Vice-President Academic Operations as ex-officio members of Senate</i></p>	61	Second Reading Approval
4:25 p.m. (5 mins)	<p>Consent Agenda</p> <p><i>Motion: To approve or receive for information the items on the consent agenda, listed as items 11-15 of the Senate agenda</i></p>		
	11. Report – Senate Graduate & Research Council	65	Information
	12. Report – Senate Undergraduate Council	67	Information
	a. Academic Regulation Revision of the Second Degree and Degree Upgrades for the Faculty of Health	69	Decision
	<i>Motion: To Senate approve the proposed academic regulation revision of the second degree and degree upgrades for the Faculty of Health, effective 1 September 2024, as presented.</i>		
	13. Report – Honorary Degree Committee	71	Information
	14. Report – COU Academic Colleague		Information

TIME	AGENDA ITEM	PAGE	ACTION
4:30p.m.	15. Report - Vice-President, Research & International a. Awards, Distinctions, Grants, Waterloo International Engagements		Information
	16. Report of the Provost – Faculty Appointments, Leaves	73	Information
	17. Other Business	Oral	Input
	CONFIDENTIAL Senators, Vice-Presidents, Deans, Secretariat and Technical Staff as required		
	18. Minutes of the: a. 17 April 2023 Meeting ; and the b. 26 April 2023 Special Meeting	75	Decision Decision
	19. Business Arising from the Minutes	Oral	Input
	20. Report of the President	Oral	Information
	21. Other Business	Oral	Input
	22. Adjournment	Oral	Input

/twk

Andrea Kelman
University Secretary (Acting)
Secretary to Senate

Important Dates

13-17 June 2023	Convocation
19 June 2023	Senate Meeting

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University of Waterloo
SENATE
Minutes of the Monday 17 April 2023 Meeting
[in agenda order]

Present: John Abraham, Sheila Ager, Marc Aucoin, Lisa Aultman-Hall, Sandra Banks, Michael Beauchemin, Jeff Casello, Trevor Charles, Joan Coutu, Neil Craik, Laura Deakin, Charmaine Dean, Jack DeGooyer, David DeVidi, Nenone Donaldson, Catherine Dong, Wendy Fletcher, Mark Giesbrecht, Vivek Goel (chair), Rob Gorbet, Kelly Grindrod, David Ha, Nadine Ibrahim, Natalie Hutchings, Narveen Jandu, Martin Karsten, Andrea Kelman (secretary), Achim Kempf, Jennifer Kieffer, Veronica Kitchen, Alysia Kolentsis, Christiane Lemieux, Robert Lemieux, Lili Liu, Brad Lushman, Jennifer Lynes Murray, Ellen MacEachen, Carol Ann MacGregor, Blake Madill, Ceileigh McAllister, Kristiina Montero, Richard Myers, Graham Murphy, Beth Namachchivaya, Cathy Newell Kelly, Erin O’Connell, Troy Osborne, Nicholas Pfeifle, Luke Potwarka, Cynthia Richard, Mary Robinson, James Rush, Marcus Shantz, Siva Sivoththaman, James Skidmore, Sharon Tucker, Diana Vangelisti, Johanna Wandel (for Bruce Frayne), Paul Ward, Dan Weber, Mary Wells, Stan Woo, Changbao Wu, Annie Yang, Stephanie Ye-Mowe

Guests: Jean Becker, Catherine Burns, Aldo Caputo, Bernard Duncker, Donna Ellis, Diana Goncalves, Jenny Flagler-George, Sarah Hadley, Michele Hollis, Diane Johnston, Michaela Lewis, Ian Milligan, Fayaz Noormohamed, Dario Peralta, David Porreca, Chris Read, Ian Rowlands, Daniela Seskar-Hencic, Nadia Singh, Diana Skrzydlo, Allan Starr, Sherri Sutherland, Brandon Sweet, Nickola Voegelin, Tim Weber-Kraljevski, Sarah Willey-Thomas, Katy Wong-Francq

Absent: Dominic Barton*, Kim Cuddington, Kristine Dalton*, Aiman Fatima, Cindy Forbes*, Onurcan Gokkaya, Kevin Hare, Sonia Ismail, Mary Hardy, Scott Kline*, Xianguo Li, Peter Meehan, Nasser Mohieddin Abukhdeir*, Chris Nielsen*, Oudy Noweir, Daniel O’Connor, Jacinda Reitsma*, Naima Samuel, Matthew Schwarze*, Siv Sivaloganathan, Julian Surdi, Graeme Turner*, Clarence Woudsma, En-Hui Yang*

*regrets

OPEN SESSION

CHAIR’S REMARKS

The chair thanked Senators whose terms are ending on 30 April 2023. He reminded Senators of the first Annual Senate Effectiveness survey from Watson Advisors and encouraged them to participate. The chair also reminded Senators of the upcoming convocation taking place from 13-17 June 2023. He observed that convocation is such a significant time of celebration for the entire campus community and in order to host these twelve ceremonies, over 100 staff and another 100 paid student roles are engaged. Senators were encouraged to volunteer, and Faculty were strongly encouraged to take part in the stage party.

1. CONFLICT OF INTEREST

Senators were asked to declare any conflicts they may have in relation to the items on the agenda. No conflicts were declared.

2. APPROVAL OF THE AGENDA

The chair noted two revisions to the agenda: the removal of items 9b and 9c; and the addition of a motion under item 10. to approve revisions to the inactive status definition to include information about medical leave and the inactive status process for the Mathematics for Teachers (MMT) program, for which material was included in the package but the motion was not listed in the agenda.

A motion was heard to approve the agenda as distributed, with the two revisions. Beauchemin and Gorbet. Carried.

3. MINUTES OF THE 27 MARCH 2023 MEETING

A motion was heard to approve the minutes as distributed. Beauchemin and Gorbet. Carried with one abstention.

4. BUSINESS ARISING FROM THE MINUTES

Following discussion at the April meeting of Senate about timing of Senate meetings, Goel informed members that Senate Executive Council had further discussed the matter and, after considering input from students, concluded to leave the timing of Senate meetings at 3:30pm for the time being.

Goel also informed members that following discussion at the March meeting of Senate, the proposed amendments to Bylaw 4 around ex-officio membership has been revised to address feedback from Senators and has been resubmitted as item 11c for first reading.

5. SENATE WORKPLAN

This item was received for information.

6. REPORT OF THE PRESIDENT

a. President's Update

Goel provided his report:

- The passing of Professor Emeritus Paul Derksin, who is considered one of the founders of computing at the University of Waterloo.
- On 27 March 2023, the university was presented with an Eagle Staff, dedicated for the university. Waterloo's Eagle Staff represents another important and necessary step in the institution's journey towards reconciliation, Indigenization and decolonization and follows from the commitment ceremony of last year, to walk together towards Indigenization here at Waterloo. The Staff will be integrated into institutional ceremonies including convocation, serving as an important symbol and reminder of our commitments today and for future generations. Following a question, it was clarified that the Eagle Staff will be housed in the Office of Indigenous Relations.
- The International Transgender Day of Visibility was on 31 March 2023, where the university recognizes and celebrates Two-Spirit, Trans, Non-Binary, and Gender Non-Conforming people, who are integral and valued members of the campus community. Waterloo now offers at least one washroom in almost every building on main campus, as an all-gender washroom. This is an important step in making the campus more inclusive and accessible for all, but it is acknowledged that there is still more to be done.
- The University of Waterloo and Velocity officially expanded their presence in downtown Kitchener with a groundbreaking ceremony for the new Innovation Arena building on Waterloo's Health Sciences campus. The new site is part of Waterloo's expanding pipeline for health innovation in Southwestern Ontario, thanks to funding from FedDev Ontario, Ontario's provincial government, the City of Kitchener and philanthropic gifts. Ontario Premier Doug Ford attended the groundbreaking ceremony.
- On April 14th UWaterloo was visited by Daniel Tumpal S. Simanjuntak, Indonesian Ambassador to Canada as part of the launch of the FINCAPES International Research Partnership. A representative of Global Affairs Canada was also present. Flood Impacts, Carbon Pricing and Ecosystem Sustainability (FINCAPES) is a multi-stakeholder, gender responsive initiative and a collaboration in Indonesia supporting that nation's priorities with respect to climate change and building capacity at university partners. Through this initiative, Waterloo works with local partners to support Indonesian goals and objectives to develop dynamic, equitable and sustainable socioeconomic growth.
- On 21 April 2023 the University of Waterloo, in partnership with MaRS Discovery District, will be hosting the Waterloo Innovation Submit, bringing together some of the world's leading experts on sustainable aeronautics, electric and autonomous vehicles, clean energy and urban planning to reimagine the future of local and global transportation.
- Following Senate's recommendation to the Board of Governors to endorse the vision document, Waterloo at 100 was endorsed at the Board meeting on 4 April 2023. At last

week's President's Forum, situated within the Staff Conference, Waterloo 100 was formally launched.

b. Strategic Plan Thematic Discussion – Communities (Sustainability user Panel)

Mat Thiessen introduced the panel, which focuses on sustainability at the University of Waterloo. Ealy Fong, an undergraduate student in BES Planning, spoke on her Sustainable Future Campus in 2050 project. Laura Deakin spoke to the inaugural Faculty of Engineering Sustainable Development Capstone Design Award. Michelle Angkasa spoke to her experience as the inaugural WUSA Sustainability Commissioner, and in role as the Communications & Outreach Assistant (Co-o) within the Sustainability Office.

Members discussed: sustainability challenges for the university; and opportunities for intersectional partnerships between Faculties to utilize sustainability expertise on campus.

7. REPORT FROM THE PROVOST

a. University Appointments Review Committee

Gerry Schneider spoke to the report provided for information with the agenda, and presented: highlighted data about the proposals reviewed by the committee in 2021-22; an overview of the committee's processes and membership; and summary data.

Members discussed: how gender statistics have been traditionally collected and suggestions for improving the process going forward; if the USRC tracks the number of international candidates with PhD's from Canadian institutions; and the university's progress on achieving gender parity for Faculty members.

8. REPORT – TEACHING AWARDS COMMITTEE

Jeff Casello and David DeVidi acknowledged the winners of the Amit & Meena Chakma Awards for Exceptional Teaching by a Student and the Distinguished Teacher Awards (DTA). Those present were asked to stand to be recognized with a round of applause. The winners were:

a. Amit & Meena Chakma Wards for Exceptional Teaching by a Student Committee

- Abigale O'Reilly, Chemistry
- Justin Schrier, Physics and Astronomy
- Mikaela Lewis, Mechanical and Mechatronics Engineering
- Tandeep Sidhu, Sociology and Legal Studies

b. Distinguished Teacher Awards Committee

- Keith Delaney, Earth and Environmental Sciences
- Nardine Nakhla, School of Pharmacy
- Zara Rafferty, Recreation and Leisure Studies
- Diana Skrzydlo, Statistics and Actuarial Science

Goel offered his congratulations to all of the winners and thanked them for their contributions. He also thanked the individuals who nominated them and encouraged nomination for external awards as well.

9. ASSOCIATION ANNUAL UPDATES

a. Faculty Association

David Porreca, incoming president of the FAUW, provided Senators with an update on FAUW, highlighting: its organizational structure; recent leadership changes; ongoing policy work, and current priorities.

Members inquired about the timeline for the Policy 76/77 revisions and the reasons for CAUT undertaking a governance review of FAUW.

10. REPORT FROM COMMITTEES AND COUNCILS

a. Senate Graduate and Research Council

- i. A motion was heard to approve revisions to the Grading scheme text in the Grades and grading section of the Graduate Studies Academic Calendar, as presented and effective Spring 2023. Casello and Beauchemin. Carried.
- ii. A motion was heard to approve revisions to the inactive status definition to include information about medical leave and the inactive status process for the Mathematics for Teachers (MMT) program, as presented and effective Spring 2023. Casello and Ward. Carried with one opposed.

11. REPORTS – SENATE EXECUTIVE COMMITTEE

a. Elections to Senate Committees & Councils and to Board of Governors

- i. A motion was heard to acclaim the membership of Senate committees and councils and the Board of Governors as provided on the list of nominees.

Goel asked for further nominations from the floor. No nominations were received. Goel called for a mover and a seconder. Beauchemin and Kitchen. With the understanding that all individuals named in the report abstained, the question was called and the motion carried.

- ii. A motion was heard to delegate approval to the Senate Executive Committee for any vacancies which exist. Beauchemin and Ye-Mowe. Carried.

b. Delegation of Authority for Approval of Roster of Graduands

A motion was heard that Senate approve the delegation of its authority for the approval of the roster of graduands jointly to the chair and vice-chair of Senate, for convocation ceremonies scheduled in June 2023 and October 2023 and that a full report on the complete roster of graduands be presented for information to the Senate meeting following the relevant convocation. Skidmore and Newell Kelly. Carried.

c. Amendment to Bylaw 4 – Ex-Officio Membership

Goel spoke to the amendment, noting that it has been revised based on feedback received by Senators at the March 2023 Senate meeting, and that this is the first reading.

A motion was heard That Senate gives first reading to the amendments to Senate Bylaw 4 as presented in this report, with said amendments to effect:

1. Removal of the Vice-President, Advancement, the Vice-President University Relations, and the Deputy Provost, Integrated Planning and Budgeting as ex-officio members of Senate
2. Addition of the Associate Vice-President, Equity, Diversity, Inclusion and Anti-Racism, the Associate Vice-President, Indigenous Relations, and the Associate Vice-President Academic Operations as ex-officio members of Senate

Casello and Beauchemin. Carried with one opposed.

Goel provided an update that the Chancellor Nominating Committee met on 3 April 2023, and discussed the timeline and process of the search, and the qualifications for the next Chancellor. A call out to seek nominations from the community will be broadly shared and Senators were encouraged to submit nominations.

12. AMENDMENT TO BYLAW1 – SENATE MEETING SCHEDULE AND FORMAT

Goel spoke to the amendment and reminded members that SEC had decided to leave the timing of Senate meetings at 3:30pm for the time being. A motion was heard that Senate gives second and final reading to the amendments to Senate Bylaw 1, and ensures the guidelines for the annual schedule of meetings and approve the changes to the annual work plan, all as presented in the report's recommendation. Casello and DaVidi. Carried with two abstentions.

CONSENT AGENDA

A motion was heard to approve or receive for information the items on the consent agenda, listed as items 13-16 of the Senate agenda. Aucoin and Coutu. Carried with one abstention.

13. REPORT – SENATE GRADUATE & RESEARCH COUNCIL

Received for information.

14. REPORT – SENATE UNDERGRADUATE COUNCIL

Received for information.

15. REPORT – VICE PRESIDENT, RESEARCH & INTERNATIONAL

a. Awards, distinctions, Grants, Waterloo International Engagements

Received for information.

16. REPORT OF THE PROVOST – FACULTY APPOINTMENTS, LEAVES

Received for information.

17. OTHER BUSINESS

There was no other business.

With no further business in open session, Senate convened in confidential session.

21 April 2023
AK/twk/dg

Andrea Kelman
University Secretary (Acting)
Secretary to Senate

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Senate Agenda Items · expected *as needed	15 May 2023	19 June 2023	18 September 2023	16 October 2023 <i>Strategic Plan Annual Update / Waterloo at 100</i>	20 November 2023	18 December 2023	15 January 2024	19 February 2024	18 March 2024	April 2024
REGULAR AGENDA (including items for information and discussion)										
Minutes	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
Business Arising	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
LEADERSHIP UPDATES⁶										
Report of the Vice-President, Academic & Provost	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
Report of the Vice-President, Research and International	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
COMMITTEE/COUNCIL REPORTS										
Executive Committee	*	*	*	*	*	*	*	*	*	*
Graduate & Research Council (GRC)	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
Undergraduate Council (UC)	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
Long Range Planning Committee				▪	▪			▪		▪
Joint Report of GRC & UC on Academic Calendar Dates ¹					▪					
University Committee on Student Appeals Annual Report ¹ (Policy 72)					▪					
University Appointment Review Committee Annual Report ¹ (Policy 76)										▪
Finance Committee - Budget Update ³								▪		
Finance Committee - Budget recommendation ^{2, 3}									▪	
OTHER SENATE AGENDA ITEMS										
New Senator Orientations (before meeting)	▪									
Teaching Awards Committee									▪	
Delegation of Roster of Graduands										▪
Report of Roster of Graduands		▪		▪						
Undergraduate and Graduate Admissions Update					▪					
Conduct Self-Assessment Survey ¹								▪		
SENATE PRESENTATIONS										
Presentations from the Presidents of the Faculty Association, Waterloo Undergraduate Association and Graduate Student Association ¹									▪	
Strategic Plan Accountability Update ¹				▪						
PART Annual Update		▪								
Faculty Update (6x/year)			ENG	▪	▪					

¹ Annual item

² Board of Governors approval

³ Presented by the Vice-President Academic and Provost

⁴ Presented by the President and Vice-Chancellor, and Chair of Senate

⁵ Presented by the University Secretary

⁶ Leadership updates may include such topics as: Talent, We Accelerate Report, Communities (EDI, Sustainability), Waterloo International, etc.

Senate Agenda Items • expected *as needed	15 May 2023	19 June 2023	18 September 2023	16 October 2023 <i>Strategic Plan Annual Update / Waterloo at 100</i>	20 November 2023	18 December 2023	15 January 2024	19 February 2024	18 March 2024	April 2024
CONSENT AGENDA										
Reports from Faculties (e.g., appointments, administrative appointments, sabbaticals) ²	•	•	•	•	•	•	•	•	•	•
Tenure and Promotion Report ⁴			•							
University Professor Designation ³									•	
Call for Nominations for University Professor ³			•							
Call for Nominations for Honorary Degree Recipients ⁴								•		
Report of the COU Academic Colleague ¹	•									
Senate Committee Appointments ⁵	*	*	•	*	*	*	*	*	*	*
CONFIDENTIAL AGENDA										
Minutes	•	•	•	•	•	•	•	•	•	•
Business Arising	•	•	•	•	•	•	•	•	•	•
Reports from Committees and Councils	*	*	*	*	*	*	*	*	*	*
Honorary Degree Recommendations	*	*	*	*	•	*	*	•	*	*
Reports from Search and Review Committees for Policy-based Senior Leadership Appointments and Reappointments	*	*	*	*	*	*	*	*	*	*
Report of VP Advancement on Policy 7 ¹		•								

Joint SENATE/BOARD Strategic Plan Focus Sessions 3-4:30	Joint SENATE/BOARD Continuing Education Sessions 3-4:30
<ul style="list-style-type: none"> • To be determined 	<ul style="list-style-type: none"> • To be determined

Special Topics for 2023-2024 to be Scheduled:

- President’s Anti-racism Task Force Update (PART)

For more information: secretariat@uwaterloo.ca
 uwaterloo.ca/secretariat , NH 3060

¹ Annual item

² Board of Governors approval

³ Presented by the Vice-President Academic and Provost

⁴ Presented by the President and Vice-Chancellor, and Chair of Senate

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⁶ Leadership updates may include such topics as: Talent, We Accelerate Report, Communities (EDI, Sustainability), Waterloo International, etc.

Senate Graduate and Research Council

For Approval

Open Session

To: Senate

Sponsor: Charmaine Dean
Contact Information: Vice-President, Research & International

Sponsor: Jeff Casello
Contact Information: Associate Vice-President, Graduate Studies and Postdoctoral Affairs

Presenter: Jeff Casello
Contact Info: jcasello@uwaterloo.ca

Date of Meeting: May 15, 2023

Agenda Item Identification: 7a. Report – Senate Graduate & Research Council:
Major Program Modification to the Master of Engineering (MEng) in Mechanical and Mechatronics Engineering – Co-operative Program

Recommendation/Motion:

To approve adding a direct entry Co-operative program/option to the MEng in Mechanical and Mechatronics Engineering Program, effective 1 September 2023, as presented.

Summary:

[Senate Graduate & Research Council](#) met on 10 April 2023 and agreed to forward the following item to Senate for approval as part of the Regular agenda.

Jurisdictional Information:

This item is being submitted to Senate in accordance with [Senate Bylaw 2](#); section 4.03(e): “Consider, study and review all proposals for new graduate programs, the deletion of graduate programs, major changes to existing graduate programs, arrange for internal appraisals as the council shall see fit, and make recommendations to Senate thereon.”

Governance Path:

Department approval date (mm/dd/d\yy): 02/02/23
Graduate Studies and Postdoctoral Affairs review date (mm/dd/d\yy): 02/01/23
Faculty approval date (mm/dd/yy): 03/21/23
Senate Graduate & Research Council approval date (mm/dd/yy): 04/10/23

Highlights/Rationale:

The direct entry co-op MEng program aligns with the University's and Province's vision and policy on "Work Integrated Learning" (WIL). The new program will allow the selected MEng students to apply their knowledge gained in their coursework and reinforce their professional development. It also builds upon the success of the GDip in Design Engineering with co-op available in the Department of Mechanical and Mechatronics Engineering (MME) that will be discontinued in Fall 2023. The new MEng program will offer co-op opportunities to a wider group of MEng students.

The new program will be highly selective to maintain high quality and reputation among employers. Initially, the program capacity will be limited to 20 students distributed over the three terms. The program capacity will be reviewed yearly based on the number of placements/work experiences, types of jobs and employers' evaluations. In the event of a student not finding a co-op work experience, the student may transfer to the regular MEng without co-op.

MME has collected feedback from their graduate students through different surveys and informal discussions. Access to co-op and better preparation for the job market are regular requests from MEng students. Thus, the new program will respond to the student desire of WIL in their MEng.

This direct entry co-op MEng program will attract the best applicants to the MEng program in MME including domestic students who graduated from a program without co-op in Canada. International students will be able to take co-op jobs without impacting their Post Graduate Work Permit (PGWP).

The co-op program/option will be supported by Co-operative Education.

Documentation Provided:

Program Revision Template – Appendix A

[Co-operative Education Feasibility Report](#)



Graduate Studies Program Revision Template

Prior to form submission, review the [content revision instructions](#) and information regarding [major/minor modifications](#). For questions about the form submission, contact [Trevor Clews](#), Graduate Studies and Postdoctoral Affairs (GSPA).

Faculty: Engineering

Program: Master of Engineering (MEng) in Mechanical and Mechatronics Engineering – Co-operative Program

Program contact name(s): Cecile Devaud

Form completed by: Cecile Devaud

Description of proposed changes:

Note: changes to courses and milestones also require the completion/submission of the [SGRC Graduate Studies Course/Milestone Form](#).

Adding a direct entry Co-operative program/option to the MEng in Mechanical and Mechatronics Engineering program.

Is this a [major modification](#) to the program? Yes

Rationale for change(s):

The direct entry co-op MEng program aligns with the University's and Province's vision and policy on "Work Integrated Learning" (WIL). The new program will allow the selected MEng students to apply their knowledge gained in their coursework and reinforce their professional development. It also builds upon the success of the GDip in Design Engineering with co-op available in the Department of Mechanical and Mechatronics Engineering (MME) that will be discontinued in Fall 2023. The new MEng program will offer co-op opportunities to a wider group of MEng students.

The new program will be highly selective to maintain high quality and reputation among employers. Initially, the program capacity will be limited to 20 students distributed over the three terms. The program capacity will be reviewed yearly based on the number of placements/work experiences, types of jobs and employers' evaluations. In the event of a student not finding a co-op work experience, the student may transfer to the regular MEng without co-op.

MME has collected feedback from their graduate students through different surveys and informal discussions. Access to co-op and better preparation for the job market are regular requests from MEng students. Thus, the new program will respond to the student desire of WIL in their MEng.

This direct entry co-op MEng program will attract the best applicants to the MEng program in MME including domestic students who graduated from a program without co-op in Canada. International students will be able to take co-op jobs without impacting their Post Graduate Work Permit (PGWP).

The co-op program/option will be supported by Co-operative Education. Attached is the Feasibility Report that was completed by Co-operative Education.

Proposed effective date: Term: Fall Year: 2023

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

<https://uwaterloo.ca/graduate-studies-academic-calendar/engineering/department-mechanical-and-mechatronics-engineering>

Current MEng in Mechanical and Mechatronics Engineering Graduate Studies Academic Calendar content:	Proposed MEng in Mechanical and Mechatronics Engineering – Co-operative Program Graduate Studies Academic Calendar content:
<p>MASTER OF ENGINEERING (MENG) IN MECHANICAL AND MECHATRONICS ENGINEERING</p> <p>Graduate specializations</p> <ul style="list-style-type: none"> • Green Energy <p>Program information</p> <ul style="list-style-type: none"> • Admit term(s) <ul style="list-style-type: none"> ○ Fall ○ Winter ○ Spring • Delivery mode <ul style="list-style-type: none"> ○ On-campus • Length of program <ul style="list-style-type: none"> ○ Full-time: 4 terms (16 months) ○ Part-time: 8 terms (32 months) • Program type <ul style="list-style-type: none"> ○ Master's ○ Professional • Registration option(s) <ul style="list-style-type: none"> ○ Full-time ○ Part-time • Study option(s) <ul style="list-style-type: none"> ○ Coursework • Additional program information <ul style="list-style-type: none"> ○ The University of Waterloo does not provide funding for MEng in Mechanical and Mechatronics Engineering students, and the candidates are expected to be self-supporting. <p>Admission requirements</p>	<p>MASTER OF ENGINEERING (MENG) IN MECHANICAL AND MECHATRONICS ENGINEERING - <u>CO-OPERATIVE PROGRAM</u></p> <p>Graduate specializations</p> <ul style="list-style-type: none"> • Green Energy <p>Program information</p> <ul style="list-style-type: none"> • Admit term(s) <ul style="list-style-type: none"> ○ Fall ○ Winter ○ Spring • Delivery mode <ul style="list-style-type: none"> ○ On-campus • Length of program <ul style="list-style-type: none"> ○ <u>Full-time: 5-6 terms (20-24 months)</u> • Program type <ul style="list-style-type: none"> ○ <u>Co-operative</u> ○ Master's ○ Professional • Registration option(s) <ul style="list-style-type: none"> ○ Full-time • Study option(s) <ul style="list-style-type: none"> ○ Coursework • Additional program information <ul style="list-style-type: none"> ○ The University of Waterloo does not provide funding for MEng in Mechanical and Mechatronics Engineering students, and the candidates are expected to be self-supporting. <p>Admission requirements</p>

Current MEng in Mechanical and Mechatronics Engineering Graduate Studies Academic Calendar content:	Proposed MEng in Mechanical and Mechatronics Engineering – Co-operative Program Graduate Studies Academic Calendar content:
<ul style="list-style-type: none"> • Minimum requirements <ul style="list-style-type: none"> ○ The Department of Mechanical and Mechatronics Engineering requires either (i) a 75% overall standing in the last two years, or equivalent, in a relevant four-year Honours Bachelor's degree or equivalent or (ii) a 75% overall standing or equivalent, in a relevant four-year Honours Bachelor's degree or equivalent, as the minimum requirement for admission to a Master's program for applicants educated at a Canadian institution. A 75% overall standing or equivalent, in a relevant four-year Honours Bachelor's degree or equivalent is the minimum requirement for admission to a Master's program for applicants educated outside of Canada. ○ Graduate Record Examination (GRE) test scores (requirement only for applicants who completed their undergraduate degree from an institution located outside of Canada or the United States of America). • Application materials <ul style="list-style-type: none"> ○ Résumé ○ Supplementary information form ○ Transcript(s) • References <ul style="list-style-type: none"> ○ Number of references: 2 ○ Type of references: academic • English language proficiency (ELP) (if applicable) <p>Degree requirements</p> <ul style="list-style-type: none"> • Graduate Academic Integrity Module (Graduate AIM) • Courses <ul style="list-style-type: none"> ○ Students must complete 8 one-term (0.50 unit weight) graduate level courses (or courses acceptable for graduate credit). ○ A maximum of 2 500-level courses may be counted for credit. 	<ul style="list-style-type: none"> • Minimum requirements <ul style="list-style-type: none"> ○ The Department of Mechanical and Mechatronics Engineering requires either (i) a 75% overall standing in the last two years, or equivalent, in a relevant four-year Honours Bachelor's degree or equivalent or (ii) a 75% overall standing or equivalent, in a relevant four-year Honours Bachelor's degree or equivalent, as the minimum requirement for admission to a Master's program for applicants educated at a Canadian institution. A 75% overall standing or equivalent, in a relevant four-year Honours Bachelor's degree or equivalent is the minimum requirement for admission to a Master's program for applicants educated outside of Canada. ○ Graduate Record Examination (GRE) test scores (requirement only for applicants who completed their undergraduate degree from an institution located outside of Canada or the United States of America). • Application materials <ul style="list-style-type: none"> ○ Résumé ○ Supplementary information form ○ Transcript(s) • References <ul style="list-style-type: none"> ○ Number of references: 2 ○ Type of references: academic • English language proficiency (ELP) (if applicable) <p>Degree requirements</p> <p><u>The MEng in Mechanical and Mechatronics Engineering – Co-operative Program will enable students to combine graduate studies with work experience.</u></p> <p><u>The program includes completion of 1-2 required work terms. The work term(s) typically takes place in term 3 (or terms 3 and 4). The work term(s) must meet CEE standard work term requirements and Departmental requirements. Students should apply to jobs related to their program of study. Note: the program must start and end on an academic term. Students in the</u></p>

Current MEng in Mechanical and Mechatronics Engineering Graduate Studies Academic Calendar content:	Proposed MEng in Mechanical and Mechatronics Engineering – Co-operative Program Graduate Studies Academic Calendar content:
<ul style="list-style-type: none"> ○ An English for Multilingual Speakers (EMLS) technical/professional course is normally required for all students who were not English Language Proficiency (ELP) exempt at the time of admission. This course is normally taken in the first term of the program. ○ The EMLS communication course can be waived at the discretion of the Department. ○ At least 2 out of the 8 required courses must be taken from the following list of ME graduate core courses: <ul style="list-style-type: none"> ▪ ME 620 Mechanics of Continua ▪ ME 621 Advanced Finite Element Method ▪ ME 631 Mechanical Metallurgy ▪ ME 632 Experimental Methods in Materials Engineering ▪ ME 640 Autonomous Mobile Robotics ▪ ME 649 Control of Machines and Processes ▪ ME 651 Heat Conduction ▪ ME 652 Convective Heat Transfer ▪ ME 653 Radiation Heat Transfer ▪ ME 662 Advanced Fluid Mechanics ▪ ME 664 Turbulent Flow ○ MEng students completing 1 of the 2 Graduate Diploma (GDip) program options or the Graduate Specialization are allowed to use the mandatory courses from the GDips or Graduate Specialization to count toward 2 of the 8 core courses. ○ MEng students must attend at least 4 MME research seminars. ○ Additional Faculty regulations concerning Master's degree requirements are: <ul style="list-style-type: none"> ▪ The candidate must obtain a pass in all courses credited to their program, with a minimum overall average of 70% (a grade of less than 65% in any course counts as a failure). ▪ At least half of the courses used for credit must normally be Faculty of Engineering courses and the other half need to be 	<p><u>program are encouraged to complete COOP 601 Career Success Strategies in the academic term prior to the first work term.</u></p> <ul style="list-style-type: none"> • Graduate Academic Integrity Module (Graduate AIM) • Courses <ul style="list-style-type: none"> ○ Students must complete 8 one-term (0.50 unit weight) graduate level courses (or courses acceptable for graduate credit). ○ A maximum of 2 500-level courses may be counted for credit. ○ An English for Multilingual Speakers (EMLS) technical/professional course is normally required for all students who were not English Language Proficiency (ELP) exempt at the time of admission. This course is normally taken in the first term of the program. ○ The EMLS communication course can be waived at the discretion of the Department. ○ At least 2 out of the 8 required courses must be taken from the following list of ME graduate core courses: <ul style="list-style-type: none"> ▪ ME 620 Mechanics of Continua ▪ ME 621 Advanced Finite Element Method ▪ ME 631 Mechanical Metallurgy ▪ ME 632 Experimental Methods in Materials Engineering ▪ ME 640 Autonomous Mobile Robotics ▪ ME 649 Control of Machines and Processes ▪ ME 651 Heat Conduction ▪ ME 652 Convective Heat Transfer ▪ ME 653 Radiation Heat Transfer ▪ ME 662 Advanced Fluid Mechanics ▪ ME 664 Turbulent Flow ○ MEng students completing 1 of the 2 Graduate Diploma (GDip) program options or the Graduate Specialization are allowed to use the mandatory courses from the GDips or Graduate Specialization to count toward 2 of the 8 core courses.

Current MEng in Mechanical and Mechatronics Engineering Graduate Studies Academic Calendar content:	Proposed MEng in Mechanical and Mechatronics Engineering – Co-operative Program Graduate Studies Academic Calendar content:
<p>Mechanical and Mechatronics Engineering courses.</p> <ul style="list-style-type: none"> ○ Students in the MEng in Mechanical and Mechatronics Engineering program may choose to pursue the following Graduate Specialization: <p>1. Green Energy</p> <ul style="list-style-type: none"> ○ A Graduate Specialization is a University credential that is recognized on the student's transcript but not on the diploma and is intended to reflect that a student has successfully completed a set of courses that together provide an in-depth study in the area of the Graduate Specialization. A student will only obtain the Graduate Specialization on their transcript if they have completed the requirements associated with the MEng degree and the requirements associated with the Graduate Specialization. ○ All MEng Graduate Specializations in Mechanical and Mechatronics Engineering consist of a set of at least 4 graduate (0.50 weight) level courses and this set is comprised of a mix of compulsory and elective courses. Compulsory courses are those that are prescribed as part of the Graduate Specialization. Elective courses are those that are on a list of courses designated as electives for a given Graduate Specialization. The requirements for the Graduate Specialization are described below. <p>1. Graduate Specialization in Green Energy</p> <ul style="list-style-type: none"> ○ To receive the Graduate Specialization in Green Energy, students must successfully complete 1 compulsory course and 3 elective courses: <ul style="list-style-type: none"> ▪ Compulsory course: <ul style="list-style-type: none"> ▪ ME 659 Energy and Environment ▪ Elective courses (choose 3 from the following list): 	<ul style="list-style-type: none"> ○ MEng students must attend at least 4 MME research seminars. ○ Additional Faculty regulations concerning Master's degree requirements are: <ul style="list-style-type: none"> ▪ The candidate must obtain a pass in all courses credited to their program, with a minimum overall average of 70% (a grade of less than 65% in any course counts as a failure). ▪ At least half of the courses used for credit must normally be Faculty of Engineering courses and the other half need to be Mechanical and Mechatronics Engineering courses. ○ Students in the MEng in Mechanical and Mechatronics Engineering program may choose to pursue the following Graduate Specialization: <p>1. Green Energy</p> <ul style="list-style-type: none"> ○ A Graduate Specialization is a university credential that is recognized on the student's transcript but not on the diploma and is intended to reflect that a student has successfully completed a set of courses that together provide an in-depth study in the area of the Graduate Specialization. A student will only obtain the Graduate Specialization on their transcript if they have completed the requirements associated with the MEng degree and the requirements associated with the Graduate Specialization. ○ All MEng Graduate Specializations in Mechanical and Mechatronics Engineering consist of a set of at least 4 graduate (0.50 weight) level courses and this set is comprised of a mix of compulsory and elective courses. Compulsory courses are those that are prescribed as part of the Graduate Specialization. Elective courses are those that are on a list of courses designated as electives for a given Graduate Specialization. The

Current MEng in Mechanical and Mechatronics Engineering Graduate Studies Academic Calendar content:	Proposed MEng in Mechanical and Mechatronics Engineering – Co-operative Program Graduate Studies Academic Calendar content:
<ul style="list-style-type: none"> ▪ ME 738 Special Topics in Materials: Hydrogen Storage Materials ▪ ME 751 Fuel Cell Technology ▪ ME 753 Solar Energy ▪ ME 760 Special Topics in Thermal Engineering: Low Energy Building Systems ▪ ME 760 Special Topics in Thermal Engineering: Building Energy Performance ▪ ME 760 Special Topics in Thermal Engineering: Air Pollution and Greenhouse Gases ▪ ME 760 Special Topics in Thermal Engineering: Wind Energy 	<p>requirements for the Graduate Specialization are described below.</p> <p>1. Graduate Specialization in Green Energy</p> <ul style="list-style-type: none"> ○ To receive the Graduate Specialization in Green Energy, students must successfully complete 1 compulsory course and 3 elective courses: <ul style="list-style-type: none"> ▪ Compulsory course: <ul style="list-style-type: none"> ▪ ME 659 Energy and Environment ▪ Elective courses (choose 3 from the following list): <ul style="list-style-type: none"> ▪ ME 738 Special Topics in Materials: Hydrogen Storage Materials ▪ ME 751 Fuel Cell Technology ▪ ME 753 Solar Energy ▪ ME 760 Special Topics in Thermal Engineering: Low Energy Building Systems ▪ ME 760 Special Topics in Thermal Engineering: Building Energy Performance ▪ ME 760 Special Topics in Thermal Engineering: Air Pollution and Greenhouse Gases ▪ ME 760 Special Topics in Thermal Engineering: Wind Energy <ul style="list-style-type: none"> • <u>Graduate Studies Work Report</u> <ul style="list-style-type: none"> ○ <u>Students must complete one or two work-term experiences. For each work experience, a work report must be submitted to the Department for review to earn credit for the work report.</u> ○ <u>Students are responsible for following the roles and responsibilities of Co-operative and Experiential Education (CEE).</u>

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

Students currently enrolled in the MEng in MME program will not be impacted, as this will only be offered to students starting in Fall 2023.

Department/School approval date (mm/dd/yy): 02/02/23

Reviewed by GSPA (for GSPA use only) date (mm/dd/yy): 02/01/23

Faculty approval date (mm/dd/yy): 03/21/23

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

Senate approval date (mm/dd/yy) (if applicable):

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Senate Graduate and Research Council

For Approval

Open Session

To: Senate

Sponsor: Charmaine Dean
Contact Information: Vice-President, Research & International

Sponsor: Jeff Casello
Contact Information: Associate Vice-President, Graduate Studies and Postdoctoral Affairs

Presenter: Jeff Casello
Contact Info: jcasello@uwaterloo.ca

Date of Meeting: May 15, 2023

Agenda Item Identification: **7b. Report – Senate Graduate & Research Council:
Major Program Modification to the Graduate Diploma (GDip)
in Design Engineering and Graduate Diploma (GDip) in
Design Engineering – Co-operative Program**

Recommendation/Motion:

To approve discontinuing the type 2 GDip in Design Engineering and the type 2 GDip in Design Engineering – Co-operative Program, effective 1 September 2023, as presented.

Summary:

[Senate Graduate & Research Council](#) met on 10 April 2023 and agreed to forward the following items to Senate for approval as part of the Regular agenda.

Jurisdictional Information:

This item is being submitted to Senate in accordance with [Senate Bylaw 2](#); section 4.03(e): “Consider, study and review all proposals for new graduate programs, the deletion of graduate programs, major changes to existing graduate programs, arrange for internal appraisals as the council shall see fit, and make recommendations to Senate thereon.”

Governance Path:

Department approval date (mm/dd/yy): 02/02/23
Graduate Studies and Postdoctoral Affairs review date (mm/dd/d\yy): 02/01/23
Faculty approval date (mm/dd/yy): 03/21/23
Senate Graduate & Research Council approval date (mm/dd/yy): 04/10/23

Highlights/Rationale:

The GDip in Design Engineering and GDip in Design Engineering - Co-operative Program have relied on the availability of one faculty member with unique expertise in design, responsible for selecting students and teaching the three core courses (ME 680, ME 681 and ME 682). This faculty member is retiring in July 2023. The Department of Mechanical and Mechatronics Engineering does not have adequate teaching resources to continue the GDip in the same mode of operation and there is no plan in the short-term of hiring a new faculty member capable of teaching ME 680, ME 681 and ME 682 on a regular basis.

Further, the Department of Mechanical and Mechatronics Engineering is in the process of restructuring its Meng program with new graduate specializations and a direct entry co-op option that will offer alternatives to applicants interested in mechanical and mechatronics engineering MEng and co-op.

Documentation Provided:

Program Revision Template – Appendix A



Graduate Studies Program Revision Template

Prior to form submission, review the [content revision instructions](#) and information regarding [major/minor modifications](#). For questions about the form submission, contact [Trevor Clews](#), Graduate Studies and Postdoctoral Affairs (GSPA).

Faculty: Engineering

Programs: 1) Graduate Diploma (GDip) in Design Engineering
2) Graduate Diploma (GDip) in Design Engineering - Co-operative Program

Program contact name(s): Cecile Devaud

Form completed by: Cecile Devaud

Description of proposed changes:

Note: changes to courses and milestones also require the completion/submission of the [SGRC Graduate Studies Course/Milestone Form](#).

Discontinuing the Type 2 GDip in Design Engineering and the Type 2 GDip in Design Engineering - Co-operative Program.

Is this a [major modification](#) to the program? Yes

Rationale for change(s):

The GDip in Design Engineering and GDip in Design Engineering - Co-operative Program have relied on the availability of one faculty member with unique expertise in design, responsible for selecting students and teaching the three core courses (ME 680, ME 681 and ME 682). This faculty member is retiring in July 2023. The Department of Mechanical and Mechatronics Engineering does not have adequate teaching resources to continue the GDip in the same mode of operation and there is no plan in the short-term of hiring a new faculty member capable of teaching ME 680, ME 681 and ME 682 on a regular basis. Further, the Department of Mechanical and Mechatronics Engineering is in the process of restructuring its MEng program with new graduate specializations and a direct entry co-op option that will offer alternatives to applicants interested in mechanical and mechatronics engineering MEng and co-op.

Proposed effective date: Term: Fall Year: 2023

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

<https://uwaterloo.ca/graduate-studies-academic-calendar/engineering/department-mechanical-and-mechatronics-engineering/graduate-diploma-gdip-design-engineering>

<https://uwaterloo.ca/graduate-studies-academic-calendar/engineering/department-mechanical-and-mechatronics-engineering/graduate-diploma-gdip-design-engineering-co-operative-program>

Current Graduate Studies Academic Calendar content:	Proposed Graduate Studies Academic Calendar content:

Current Graduate Studies Academic Calendar content:	Proposed Graduate Studies Academic Calendar content:
<p>GRADUATE DIPLOMA (GDIP) IN DESIGN ENGINEERING</p> <p>Program information</p> <ul style="list-style-type: none"> ● Delivery mode <ul style="list-style-type: none"> ○ On-campus ● Program type <ul style="list-style-type: none"> ○ Diploma ● Study option(s) <ul style="list-style-type: none"> ○ Coursework <p>Admission requirements</p> <ul style="list-style-type: none"> ● Minimum requirements <ul style="list-style-type: none"> ○ Students in the Master of Engineering (MEng) in Mechanical and Mechatronics Engineering program may complete the requirements for the GDip in Design Engineering in conjunction with their MEng requirements. <p>Degree requirements</p> <p>Coursework option:</p> <ul style="list-style-type: none"> ● Courses <ul style="list-style-type: none"> ○ Students must complete the following courses: ○ Mandatory courses: <ul style="list-style-type: none"> ▪ ME 680 Advanced Design Engineering ▪ ME 681 Advanced Design Engineering – Design Project 1 ▪ ME 682 Advanced Design Engineering – Design Project 2 ○ Specific courses: 1 from the following list: <ul style="list-style-type: none"> ▪ ME 538 Welding Design, Fabrication and Quality Control ▪ ME 555 Computer-Aided Design ▪ ME 559 Finite Element Methods ▪ ME 561 Fluid Power Control Systems ▪ ME 566 Computational Fluid Dynamics for Engineering Design ○ General courses: 4 additional Faculty of Engineering graduate courses (subject to the approval of the Department). 	

Current Graduate Studies Academic Calendar content:	Proposed Graduate Studies Academic Calendar content:
<p>○ All courses are 600 and 700 level courses and students are not allowed to take more than 2 500 level courses (courses open to both undergraduates and graduates) out of their 8 required courses.</p> <p>GRADUATE DIPLOMA (GDIP) IN DESIGN ENGINEERING – CO-OPERATIVE PROGRAM</p> <p>Program information</p> <ul style="list-style-type: none"> ● Delivery mode <ul style="list-style-type: none"> ○ On-campus ● Length of program <ul style="list-style-type: none"> ○ Students enrolled in this diploma option are granted one additional term to complete the requirements set by the Master of Engineering (MEng) in Mechanical and Mechatronics Engineering program: <ul style="list-style-type: none"> ▪ Full-time: 5 terms (20 months) ▪ Part-time: 10 terms (40 months) ● Program type <ul style="list-style-type: none"> ○ Co-operative ○ Diploma ● Study option(s) <ul style="list-style-type: none"> ○ Coursework <p>Admission requirements</p> <ul style="list-style-type: none"> ● Minimum requirements <ul style="list-style-type: none"> ○ Students in the Master of Engineering (MEng) in Mechanical and Mechatronics Engineering program may complete the requirements for the GDip in Design Engineering – Co-operative Program in conjunction with their MEng requirements. ○ Qualified students interested in the co-op option must submit an application by August 1st for 4-stream and by December 1st for the 8-stream and meet the following requirements: <ul style="list-style-type: none"> ▪ Students will be interviewed by the Department before they are recommended to Co-operative and Experiential Education (CEE) for approval. Interviews will take place prior to the end of August or December for 4- 	

Current Graduate Studies Academic Calendar content:	Proposed Graduate Studies Academic Calendar content:
<p style="text-align: center;">stream and 8-stream options, respectively.</p> <ul style="list-style-type: none"> ▪—Students should submit the following with their application and prior to their interviews: <ul style="list-style-type: none"> ▪—a. any previous Professional Engineering Licensure documents or licensure status ▪—b. design portfolio (past design project experiences including capstone projects....) ▪—An excellent command of the English language. <p>Degree requirements Coursework option:</p> <ul style="list-style-type: none"> •—Courses <ul style="list-style-type: none"> ○—Students must complete the following courses: ○—Mandatory courses: <ul style="list-style-type: none"> ▪—ME 680 Advanced Design Engineering ▪—ME 681 Advanced Design Engineering - Design Project 1 ▪—ME 682 Advanced Design Engineering - Design Project 2 ○—Specific courses: 1 from the following list: <ul style="list-style-type: none"> ▪—ME 538 Welding Design, Fabrication and Quality Control ▪—ME 555 Computer-Aided Design ▪—ME 559 Finite Element Methods ▪—ME 561 Fluid Power Control Systems ▪—ME 566 Computational Fluid Dynamics for Engineering Design ○—General courses: 4 additional Faculty of Engineering graduate courses (subject to the approval of the Department). ○—All courses are 600 and 700 level courses and students are not allowed to take more than 2 500 level courses (courses open to both undergraduates and graduates) out of their 8 required courses. 	

Current Graduate Studies Academic Calendar content:	Proposed Graduate Studies Academic Calendar content:
<ul style="list-style-type: none"> • Graduate Studies Work Report 	

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

Students currently pursuing the GDips will not be impacted by the changes. In Fall 2023 and Winter 2024, ME 681 and ME 682, which are project-based courses, will be offered to existing GDip students to complete their degree.

Department/School approval date (mm/dd/yy): 02/02/23

Reviewed by GSPA (for GSPA use only) date (mm/dd/yy): 02/01/23

Faculty approval date (mm/dd/yy): 03/21/23

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

Senate approval date (mm/dd/yy) (if applicable):

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Senate Graduate and Research Council

For Approval

Open Session

To: Senate

Sponsor: Charmaine Dean
Contact Information: Vice-President, Research & International

Sponsor: Jeff Casello
Contact Information: Associate Vice-President, Graduate Studies and Postdoctoral Affairs

Presenter: Jeff Casello
Contact Info: jcasello@uwaterloo.ca

Date of Meeting: May 15, 2023
Agenda Item Identification: 7c. Report – Senate Graduate & Research Council:
Major Program Modification to the Master of Mathematics
(MMath) in Statistics

Recommendation/Motion:

To approve discontinuing the coursework study option from the MMath in Statistics program, effective 1 September 2023, as presented.

Summary:

[Senate Graduate & Research Council](#) met on 10 April 2023 and agreed to forward the following items to Senate for approval as part of the Regular agenda.

Jurisdictional Information:

This item is being submitted to Senate in accordance with [Senate Bylaw 2](#); section 4.03(e): “Consider, study and review all proposals for new graduate programs, the deletion of graduate programs, major changes to existing graduate programs, arrange for internal appraisals as the council shall see fit, and make recommendations to Senate thereon.”

Governance Path:

Graduate Studies and Postdoctoral Affairs review date (mm/dd/d\yy): 08/25/22

Faculty approval date (mm/dd/yy): 02/28/23

Senate Graduate & Research Council approval date (mm/dd/yy): 04/10/23

Highlights/Rationale:

The coursework study option, which includes a required specialization in Data Science, is being discontinued because the option has been replaced by a) the MMath in Data Science, and b) the Master of Data Science and Artificial Intelligence (MDSAI) programs (note: these Data Science programs are supported by the Department of Statistics and Actuarial Science, the Department of Combinatorics and Optimization, and the School of Computer Science). The Department of Statistics and Actuarial Science has not accepted applications to the coursework study option since Spring 2019 and has directed applicants to the Data Science programs.

Documentation Provided:

Program Revision Template - Appendix A.



Graduate Studies Program Revision Template

Prior to form submission, review the [content revision instructions](#) and information regarding [major/minor modifications](#). For questions about the form submission, contact [Trevor Clews](#), Graduate Studies and Postdoctoral Affairs (GSPA).

Faculty: Mathematics

Program: Master of Mathematics (MMath) in Statistics

Program contact name(s): Shoja'eddin Chenouri, Mary Lou Dufton

Form completed by: Mary Lou Dufton

Description of proposed changes:

Note: changes to courses and milestones also require the completion/submission of the [SGRC Graduate Studies Course/Milestone Form](#).

Discontinue the coursework study option from the MMath in Statistics program.

Is this a [major modification](#) to the program? Yes

Rationale for change(s):

The coursework study option, which includes a required specialization in Data Science, is being discontinued because the option has been replaced by a) the MMath in Data Science, and b) the Master of Data Science and Artificial Intelligence (MDSAI) programs (note: these Data Science programs are supported by the Department of Statistics and Actuarial Science, the Department of Combinatorics and Optimization, and the School of Computer Science). The Department of Statistics and Actuarial Science has not accepted applications to the coursework study option since Spring 2019 and has directed applicants to the Data Science programs.

Proposed effective date: Term: ~~Spring~~ Fall Year: 2023

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

<https://uwaterloo.ca/graduate-studies-academic-calendar/mathematics/department-statistics-and-actuarial-science/master-mathematics-mmath-statistics>

Current Graduate Studies Academic Calendar content:	Proposed Graduate Studies Academic Calendar content:
<p>Graduate research fields</p> <ul style="list-style-type: none"> • Computational Statistics • Finance • Industrial Statistics • Probability • Statistical Theory and Methods 	<p>Graduate research fields</p> <ul style="list-style-type: none"> • Computational Statistics • Finance • Industrial Statistics • Probability • Statistical Theory and Methods

Current Graduate Studies Academic Calendar content:	Proposed Graduate Studies Academic Calendar content:
<p>Program information</p> <ul style="list-style-type: none"> • Admit term(s) <ul style="list-style-type: none"> ○ Fall • Delivery mode <ul style="list-style-type: none"> ○ On-campus • Program type <ul style="list-style-type: none"> ○ Master's ○ Research • Registration option(s) <ul style="list-style-type: none"> ○ Full-time ○ Part-time • Study option(s) <ul style="list-style-type: none"> ○ Thesis ○ Master's Research Paper ○ Coursework <p>Admission requirements</p> <ul style="list-style-type: none"> • Minimum requirements <ul style="list-style-type: none"> ○ A four-year Honours Bachelor degree with a significant statistics and/or actuarial science component. ○ An overall 78% average from a Canadian university (or its equivalent). ○ An interview may be required. • Application materials <ul style="list-style-type: none"> ○ Résumé ○ Supplementary information form ○ Transcript(s) • References <ul style="list-style-type: none"> ○ Number of references: 3 ○ Type of references: normally from academic sources • English language proficiency (ELP) (if applicable) <p>Degree requirements</p> <p>Thesis option:</p> <ul style="list-style-type: none"> • Graduate Academic Integrity Module (Graduate AIM) • Courses 	<p>Program information</p> <ul style="list-style-type: none"> • Admit term(s) <ul style="list-style-type: none"> ○ Fall • Delivery mode <ul style="list-style-type: none"> ○ On-campus • Program type <ul style="list-style-type: none"> ○ Master's ○ Research • Registration option(s) <ul style="list-style-type: none"> ○ Full-time ○ Part-time • Study option(s) <ul style="list-style-type: none"> ○ Thesis ○ Master's Research Paper <p>Admission requirements</p> <ul style="list-style-type: none"> • Minimum requirements <ul style="list-style-type: none"> ○ A four-year Honours Bachelor degree with a significant statistics and/or actuarial science component. ○ An overall 78% average from a Canadian university (or its equivalent). ○ An interview may be required. • Application materials <ul style="list-style-type: none"> ○ Résumé ○ Supplementary information form ○ Transcript(s) • References <ul style="list-style-type: none"> ○ Number of references: 3 ○ Type of references: normally from academic sources • English language proficiency (ELP) (if applicable) <p>Degree requirements</p> <p>Thesis option:</p> <ul style="list-style-type: none"> • Graduate Academic Integrity Module (Graduate AIM) • Courses

Current Graduate Studies Academic Calendar content:	Proposed Graduate Studies Academic Calendar content:
<ul style="list-style-type: none"> ○ Students must complete 4 one-term (0.50 unit weight) courses with an overall average of at least 70%. ○ The 4 courses must include STAT 850 Estimation and Hypothesis Testing and at least 2 900-level STAT courses. <ul style="list-style-type: none"> • Graduate Skills Workshop • Master's Thesis <ul style="list-style-type: none"> ○ Students must complete a thesis and an oral presentation. <p>Master's Research Paper option:</p> <ul style="list-style-type: none"> • Graduate Academic Integrity Module (Graduate AIM) • Courses <ul style="list-style-type: none"> ○ Students must complete 7 one-term (0.50 unit weight) courses with an overall average of at least 70%. ○ 3 of the 7 required courses should include: <ul style="list-style-type: none"> ▪ STAT 830 Experimental Design or STAT 835 Statistical Methods for Process Improvement ▪ STAT 850 Estimation and Hypothesis Testing ▪ STAT 854 Sampling Theory and Practice ○ Exemptions can be made to these required courses at the discretion of the Associate Chair for Graduate Studies. • Graduate Skills Workshop • Master's Research Paper <ul style="list-style-type: none"> ○ Students must complete a research paper that will be given a numeric grade which appears on the transcript beside the milestone. <p>Coursework option:</p> <p>The coursework option includes a specialization in Data Science.</p> <p>Note: The Department of Statistics and Actuarial Science is not currently accepting applications for the coursework option.</p>	<ul style="list-style-type: none"> ○ Students must complete 4 one-term (0.50 unit weight) courses with an overall average of at least 70%. ○ The 4 courses must include STAT 850 Estimation and Hypothesis Testing and at least 2 900-level STAT courses. <ul style="list-style-type: none"> • Graduate Skills Workshop • Master's Thesis <ul style="list-style-type: none"> ○ Students must complete a thesis and an oral presentation. <p>Master's Research Paper option:</p> <ul style="list-style-type: none"> • Graduate Academic Integrity Module (Graduate AIM) • Courses <ul style="list-style-type: none"> ○ Students must complete 7 one-term (0.50 unit weight) courses with an overall average of at least 70%. ○ 3 of the 7 required courses should include: <ul style="list-style-type: none"> ▪ STAT 830 Experimental Design or STAT 835 Statistical Methods for Process Improvement ▪ STAT 850 Estimation and Hypothesis Testing ▪ STAT 854 Sampling Theory and Practice ○ Exemptions can be made to these required courses at the discretion of the Associate Chair for Graduate Studies. • Graduate Skills Workshop • Master's Research Paper <ul style="list-style-type: none"> ○ Students must complete a research paper that will be given a numeric grade which appears on the transcript beside the milestone.

Current Graduate Studies Academic Calendar content:	Proposed Graduate Studies Academic Calendar content:
<ul style="list-style-type: none"> • Graduate Academic Integrity Module (Graduate AIM) • Courses <ul style="list-style-type: none"> ○ Students must complete 8 one-term (0.50-unit weight) graduate courses [with an overall average of at least 70%] from the Data Science lists of courses. ○ Students should take a minimum of 4 STAT courses, and no courses which are neither STAT nor Computer Science (CS). ○ Students must satisfy the following course requirements: ○ Foundation course: <ul style="list-style-type: none"> ▪ CS 600 Fundamentals of Computer Science for Data Science ○ Students with a STAT major degree are expected to take the foundation course CS 600. However, STAT major students will be exempted from taking CS 600 if they have a sufficient background in Computer Science; instead they will be required to take another CS course from the elective course list. ○ Required core courses: <ul style="list-style-type: none"> ▪ STAT 847 Exploratory data analysis ▪ CS 631 Data-Intensive Distributed Analytics ○ 1 of the following required breadth courses: <ul style="list-style-type: none"> ▪ STAT 841 Statistical Learning: Classification ▪ STAT 842 Data Visualization ▪ STAT 844 Statistical Learning: Advanced Regression ○ 4 elective courses from the following list: <ul style="list-style-type: none"> ▪ STAT 840 Computational Inference ▪ STAT 841 Statistical Learning: Classification ▪ STAT 842 Data Visualization ▪ STAT 844 Statistical Learning: Advanced Regression ▪ STAT 946 Topics in Probability and Statistics ▪ CS 638 Principles of Data Management and Use 	

Current Graduate Studies Academic Calendar content:	Proposed Graduate Studies Academic Calendar content:
<ul style="list-style-type: none"> • CS 648 Database Systems Implementation • CS 654 Distributed Systems • CS 658 Computer Security and Privacy • CS 680 Introduction to Machine Learning • CS 685 Machine Learning Theory: Statistical and Computational Foundations • CS 686 Introduction to Artificial Intelligence • CS 740 Database Engineering • CS 741 Parallel and Distributed Database Systems • CS 743 Principles of Database Management and Use • CS 786 Probabilistic Inference and Machine Learning • CS 798 Advanced Research Topics • CS 848 Advanced Topics in Databases • CS 856 Advanced Topics in Distributed Computing • CS 858 Advanced Topics in Cryptography, Security and Privacy • CS 870 Advanced Topics in Scientific Computing • CS 886 Advanced Topics in Artificial Intelligence ○ Note: CS 798: CS courses at the 800 level, and STAT courses at the 900 level should be on a topic in Data Science; they are subject to the approval of the Graduate Officer. • Data Science Requirement <ul style="list-style-type: none"> ○ Students must complete the required core data science courses in order to satisfy the Data Science Requirement milestone. 	

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

There are no students currently registered in MMath Statistics Data Science Specialization and therefore there is no impact with these changes.

Department/School approval date (11/25/22):

Reviewed by GSPA (for GSPA use only) date (mm/dd/yy):08/25/22

Faculty approval date (mm/dd/yy):02/28/23

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

Senate approval date (mm/dd/yy) (if applicable):

Senate Undergraduate Council

For Approval

Open Session

To: Senate

Sponsor: David DeVidi, Associate Vice-President, Academic
Contact Information: david.devidi@uwaterloo.ca

Presenter: David DeVidi, Associate Vice-President, Academic
Contact Information: david.devidi@uwaterloo.ca

Date of Meeting: May 15, 2023

Agenda Item Identification: **8a. Report – Senate Undergraduate Council:
Closure of Application to Part-Time On-Campus Three-Year
General Science Program**

Summary:

[Senate Undergraduate Council](#) met on April 11, 2023 and agreed to forward the following items to Senate for approval as part of the consent agenda.

Recommendation/Motion:

That Senate approve the closure of application to part-time on-campus Three-Year General Science program, effective 1 September 2023, as presented.

Jurisdictional Information:

As provided for in [Senate Bylaw 2](#), section 5.03, council is empowered to make approvals on behalf of Senate for a variety of operational matters:

- (b) Make recommendations to Senate with respect to new undergraduate programs/plans, the deletion of undergraduate programs/plans, and major changes to undergraduate programs/plans.

Governance Path:

Science Undergraduate Studies Committee approval date (mm/dd/yy): 7/03/23

Faculty approval date (mm/dd/yy): 14/03/23

Senate Undergraduate Council approval date (mm/dd/yy): 04/11/23

Background and Rational:

Effective Fall 2019, the Faculty of Science approved closing applications to online only completion of the Three-Year General Science program (due to a shortage of available online Science courses). Ending applications to this academic plan via online only study did not affect applications to the program, via part-time on-campus study. Effective Fall 2023, the Faculty of Science is closing applications to the latter option, as there has been little interest from students in part-time on-campus studies. The Three-Year General

Science program itself is not being inactivated; therefore, no changes to Science Calendar pages are required.

For Recommendation

Open Session

To: Senate

Sponsor: Vivek Goel, President and Vice-Chancellor
Contact Information: president@uwaterloo.ca

Presenter: Vivek Goel, President and Vice-Chancellor
Contact Information: president@uwaterloo.ca

Date of Meeting: May 15, 2023

Agenda Item Identification: 9. Amendments to Policy 33 – Ethical Behaviour

Recommendation/Motion:

Motion: That Senate approve the amendments to Policy 33 – Ethical Behaviour (Policy 33), as presented in the attachment to this report, and that Senate recommends the amendments to the Board of Governors for approval.

Summary:

Bill 26 – *Strengthening Post-secondary Institutions and Students Act, 2022* (Bill 26) received Royal Assent on 8 December 2022. Bill 26 requires the University to have a policy that describes the rules about employee-student sexual behaviour and provide examples of disciplinary measures that may arise if such rules are violated. Outside of the policy-related requirements, some of the changes brought about by Bill 26 include:

- new powers regarding discipline, including termination and the prohibition of rehiring of employees who have been found to have engaged in employee-student sexual misconduct;
- new limits on the use of non-disclosure agreements that usually prohibit the University from disclosing employee-student sexual misconduct; and
- new prohibitions on the ability of any subsequent decision-maker (for example, where a grievance is filed) to substitute disciplinary measures imposed after a finding employee-student sexual misconduct.

It was determined that Policy 33 required amendment in order to meet the policy-related requirements arising out of Bill 26.

Policy 1 details the process to be followed to initiate, develop and seek approval on amendments to existing policies, including Policy 33. In this case, the FRC and SRC agreed to jointly consider the amendments to the Policy arising out of the passing of Bill 26. As the joint FRC/SRC committee was already in the process of considering larger revisions to the Policy, it was not necessary or efficient to establish a Faculty/Staff Policy Drafting Committee (FSPDC).

Office of the President

The recommended amendments were considered separately by the FRC and the SRC (at meetings held by each on 23 March 2023 and 6 April 2023) and jointly at a meeting held on 3 April 2023. The amendments were reviewed by Human Resources and Legal and Immigration Services.

Outside of the amendments arising out of Bill 26, the joint committee agreed to an additional change to the language of existing Policy 33, recommending that the paragraph that read “*It is recognized that harassment is often context dependent and that, while sexual harassment typically takes place in a situation of power differential between the persons involved, it may occur between peers.*” found at the closing of section 2 of Policy 33 (Specific Principles) be removed. The joint committee unanimously agreed that the paragraph did not accurately reflect the realities of sexual harassment.

The unions are prepared to sign a letter of understanding, accepting these proposed amendments.

The amendments to Policy 33, meant to address the requirements arising out of Bill 26 and the additional concern from the joint committee discussed above are respectfully submitted to you, requesting your approval and recommendation to Senate. The amendments are noted in the attached redlined version of Policy 33. Discussions on broader changes to Policy 33 undertaken by the joint FRC/SRC committee will continue, and may include further amendments, beyond the legislated requirements, to the changes proposed at this time.

FRC and SRC members supported the proposed amendments, which were submitted to the President in April 2023 and were approved as presented. To affect the final approval of the policy amendment under Policy 1, the amendments are now recommended to Senate for approval and for further recommendation to the Board of Governors.

Jurisdictional Information:

This item is submitted to Senate in accordance with Policy 1 – Initiation and Review of University Policies, section 4, Class F:

Class FS

Jurisdiction - The responsibility for policy development is vested in the FRC and the SRC.

Initiation - A request for initiation of a new policy or amendment of an existing policy can be considered by the FRC, by the SRC, or by the two committees. Either committee may decide to proceed. If the request to initiate comes from Senate or the Board of Governors, the decision will be to proceed.

Development – An FSPDC will be established with two members appointed by the President, two by the Faculty Association, and two by the Staff Association (and if considered necessary by President, one by CUPE Local 793 and/or one by the Waterloo Undergraduate Student Association (UWSA). Terms of reference for the FSPDC will be set by a joint meeting of the FRC and the SRC.

The draft policy will be sent to both the FRC and the SRC, who will send it through their usual consultative processes for feedback. If necessary, the policy will be sent back to the FSPDC for a second draft.

Office of the President

The FRC and the SRC will consider the draft policy. If approved by each, then the draft policy will be sent to the appropriate bodies for approval. If the draft policy is approved by one of the committees but not the other, then a joint meeting shall be held in an attempt to reach a consensus. In the event that consensus cannot be reached, the joint committee shall consider whether the subject matter of the draft policy could be and perhaps should be split, and covered by separate Class F and Class S policies.

Approvals – Depending upon the nature of the policy, Senate and the Board of Governors may or may not be involved in the approval process. The terms of reference of the FSPDC shall specify the approval process to be used in each case.

Governance Path:

Faculty Relations Committee (approval on 6 April 2023)

Staff Relations Committee (approval on 6 April 2023)

Approval by President and Vice-Chancellor (approval 19 April 2023)

Senate (prospective approval on 15 May 2023)

Board of Governors (prospective approval on 6 June 2023)

Previous Action Taken:

Not applicable.

Next Steps:

If approved, Senate is asked to recommend the Policy amendments to the Board of Governors for approval. In the alternative, the Policy may be returned to the FRC/SRC joint committee with reasons for revision.

Documentation Provided:

- Policy 33 – redline version to display recommended amendments

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University of Waterloo Policy 33

Ethical Behaviour

Established: 19 May 1982
Last Updated: 30 June 2010
Class: FS

1. GENERAL PRINCIPLES

The University is an autonomous community which exists to further the pursuit and dissemination of knowledge and understanding through scholarship and teaching. The University aims to ensure an environment of tolerance and respect and believes that the right of individuals to advance their views openly must be upheld throughout the University. The realization of these intentions requires respect for the following general principles:

- That each member of the University endeavour to contribute to the existence of a just and supportive community based on equality and respect for individual differences.
- That the University of Waterloo is committed to providing an environment which supports and rewards its members on the basis of such relevant factors as work performance and achievement. Harassment, discrimination and the abuse of supervisory authority, for example, are inimical to this environment. Further, as required by the Ontario Human Rights Code and the Occupational Health and Safety Act, the University has a responsibility to provide an environment free from harassment and discrimination, and accordingly must deal effectively, quickly and fairly with any situation involving claims of harassment or discrimination that come to its attention.
- That services, benefits, opportunities, and facilities offered by the University be compatible with its purposes and be provided to all persons in the University community with the relevant qualifications. Thus, such provisions shall not be denied wholly or partly on irrelevant or prohibited grounds.

[Note: Under the Ontario Human Rights Code, a person has the right to equal treatment in a number of areas (i.e., services, goods and facilities, accommodation/housing, employment, contracts, membership in trade unions and vocational associations), free from discrimination based on the following prohibited grounds: race; ancestry; place of origin; colour; ethnic origin; citizenship; creed/religion; sex; sexual orientation; age; record of offences; marital status; same-sex partnership status; family status; receipt of public assistance; mental or physical handicap.] The Accessibility for Ontarians with Disabilities Act prescribes accommodation for those with mental or physical handicaps.

- That the University supports academic freedom for all members of the University community. Academic freedom carries with it the duty to use that freedom in a manner consistent with the

scholarly obligation to base teaching and research on an honest and ethical quest for knowledge. In the context of this policy, 'academic freedom' refers to academic activities, including teaching and scholarship, as is articulated in the principles set out in the Memorandum of Agreement between the FAUW and the University of Waterloo, 1998 (Article 6). The academic environment which fosters free debate may from time to time include the presentation or discussion of unpopular opinions or controversial material. Such material shall be dealt with as openly, respectfully and sensitively as possible.

- That no member of the University community (faculty, staff, student) unduly interfere with the study, work or working environment of other members of the University or any aspect of another's University activity. This shall be taken to apply to the campus of the University and to official off-campus functions of the University, such as course- or program-related field trips and co-op employment.
- That those with supervisory authority (academic or employment) use such authority, both on campus and off, solely for the purposes explicitly stated or implied in University policies and with regard to the overall aims and purposes of the University.

2. SPECIFIC PRINCIPLES

Without limiting the generality of Section I above, the following shall be taken as violations of this policy, and may also be in contravention of the Ontario Human Rights Code:

- **Discrimination** is defined as any action or behaviour that results in adverse or preferential treatment related to those grounds prohibited under the Ontario Human Rights Code.
- **Harassment** is defined as engaging in a course of vexatious comment or conduct that is known, or ought reasonably to be known, to be unwelcome.
- **Sexual Harassment** includes comment or conduct where acceptance of sexual advances is a condition of education or employment, or where rejection of sexual advances negatively impacts decisions that concern the recipient (e.g., grades, performance evaluation or any academic or employment decisions) or where unwelcome sexual advances, comment, conduct or communications interfere with the recipient's work or study.

- **Sexual Misconduct by an Employee Toward a Student*** means, in relation to a student of the University

(a) Physical sexual relations with the student, touching of a sexual nature of the student or behaviour or remarks of a sexual nature toward the student by an employee of the University where:

- (i) The act constitutes an offence under the *Criminal Code* (Canada) (including, but not limited to sexual assault, aggravated sexual assault, sexual assault with a weapon, voyeurism, sexual exploitation, sexual exploitation of a person with a disability, sexual interference, child pornography, criminal harassment/stalking, and invitation to sexual touching as examples); or
- (ii) The act infringes the right of the student under clause 7(3)(a) of the *Human Rights Code* to be free from a sexual solicitation or advance by a person in a position to confer, grant or deny a benefit or advancement to the student; or
- (iii) The act constitutes sexual misconduct as defined in this policy, or contravenes this policy or any other rule or other requirement of the University respecting sexual relations between employees and students; or

(iv) The act constitutes Sexual Harassment or Sexual Violence as defined in Policy 42 – Prevention of and Response to Sexual Violence.

Or,

(b) Any conduct by a University employee that infringes the right of the student under clause 7(3)(b) of the Human Rights Code to be free from reprisal or threat of reprisal for the rejection of a sexual solicitation or advance.

- A ***'poisoned environment'*** (or one that is intimidating, hostile or offensive) can be created based on any of the prohibited grounds under the Ontario Human Rights Code, and can be described as comment or conduct that is contrary to the aims of maintaining a supportive, respectful and tolerant environment.

And the following may be in contravention of the Occupational Health and Safety Act:

- ***Workplace Harassment*** is defined as engaging in a course of vexatious comment or conduct against a worker in a workplace that is known, or ought reasonably to be known, to be unwelcome.

~~It is recognized that harassment is often context dependent and that, while sexual harassment typically takes place in a situation of power differential between the persons involved, it may occur between peers.~~

3. VIOLATIONS, REDRESS

Members of the University community have the right to lodge complaints and to participate in proceedings without reprisal or threat of reprisal for so doing. Those with supervisory authority (academic or employment) are expected to be proactive in promoting respect for the general principles articulated in Section I and, with assistance and guidance from the Conflict Management and Human Rights Office (CMAHRO), are responsible for dealing with alleged violations of those principles. Such authority shall be taken to include permanent, temporary or delegated supervision of any faculty or staff member or student.

Those who receive complaints or who perceive what they believe to be violations of this policy shall act promptly to notify an appropriate administrative officer, normally one's immediate supervisor, the department Head, Chair or Director, to provide or initiate the appropriate remedial or disciplinary measures. If the complaint pertains to that individual, it should be directed to the next administrative level (Dean, Associate Provost, Vice-President). Those dealing with alleged violations of this policy shall be guided by principles of fairness and natural justice. Complaints that are found after investigation to be of a frivolous and/or vexatious nature will not be pursued.

Disciplinary measures resulting from ~~alleged~~ infringements of this policy (other than a finding of Sexual Misconduct by an Employee Toward a Student) may be appealed under the grievance processes for staff (Policy 36), students (Policies 70/71), faculty (Article 9 of the Memorandum of Agreement). Members of CUPE 793 should refer to Article 16 of their Collective Agreement.

Disciplinary processes resulting from a finding of Sexual Misconduct by an Employee Toward a Student are outlined in Policy 18 for staff, Article 8 of the Memorandum of Agreement between the Faculty Association of the University of Waterloo and the University of Waterloo (MOA) for

faculty, the CUPE 793 Collective Agreement and the OPSEU Collective Agreement. In these circumstances, where a decision is made to investigate, careful consideration of whether an internal or external investigator with expertise on the subject-matter, will be retained, giving thought to the complexity of the complaint, potential impacts on procedural timelines and the expressed wishes of the parties to the complaint. Both the complainant and the respondent to the complaint will have the opportunity to challenge the appointment of the investigator with reasons.

Disciplinary measures resulting from a finding of Sexual Misconduct by an Employee Toward a Student range, up to and including the termination of employment. Where disciplinary measures resulting from a finding of Sexual Misconduct by an Employee Toward a Student include the termination of employment, or where resignation occurs as a result of a finding of Sexual Misconduct by an Employee Toward a Student, the employee shall not be entitled to notice of termination, termination pay, or other compensation or restitution as a result of the discharge or disciplinary measure, and the employee shall not be subsequently re-employed by the University. Disciplinary measures resulting from a finding of Sexual Misconduct by an Employee Toward a Student are final.

Individuals who believe they have been treated in violation of the Ontario Human Rights Code have the right to proceed directly to the Human Rights Tribunal of Ontario. If taken, such a step does not relieve or alter UW's responsibility to take appropriate administrative action to address the alleged violation.

[*Note:* Complainants may find it helpful to consult the University Secretariat (Needles Hall) or refer to organization charts on its website for assistance in identifying the immediate supervisor of a particular individual. Regarding courses taught at, or programs, facilities and residences administered by the Federated & Affiliated Colleges, faculty, staff and students should consult the individual designated by the appropriate College.]

4. **ADVICE AND SUPPORT**

Any member of the University community who has reason to believe that he/she has been treated in violation of a principle stated in this policy is urged to contact one of the primary on-campus resources identified below for information or advice.

Conflict Management and Human Rights Office. The CMAHRO serves as the focal point and primary resource to all members of the University community on matters involving ethical behaviour and human rights issues. That Office sponsors the University Conflict Resolution Support Program, comprised of the:

- Resolution Support Program (RSP), which provides one-on-one support and advice by trained volunteers to those considering or initiating a complaint under UW policies;
- Conflict Intervention Program (CIP), whose members work with parties to a dispute, in an attempt to mediate and resolve problems informally and as close to source as possible.

AccessAbility Services. The office has a mandate to ensure equitable opportunity for students with disabilities. In accordance with the *Accessibility for Ontarians with Disabilities Act* and in partnership with all university departments, the office promotes access to all programs, services, and facilities at the university.

University of Waterloo Special Constable Service. In situations involving unwanted touching or aggressive and threatening behaviour, complainants are strongly advised to consider contacting UW Special Constable Service (ext. 22222, or 519-888-4911; Commissary), preferably at the outset.

Sexual Violence Prevention and Response Office. The Sexual Violence Prevention and Response Office supports all members of the University of Waterloo campus community who have experienced or been impacted by sexual violence.

A ***person of responsibility*** (e.g., Head, Chair or Director) within one's own department or school.

Members of the University community may also wish to consult the organizations that represent their interests: the Faculty Association; the Staff Association; CUPE Local 793; the Waterloo Undergraduate Student Association; the Graduate Student Association. A comprehensive list of on-campus resources, including contact names, locations and telephone numbers, is available from the University Secretariat and posted on the Human Rights, Equity and Inclusion website.

*** The portions of this policy related to the passage of Bill 26, *Strengthening Post-secondary Institutions and Students Act, 2022* will be reconsidered and revised (if deemed necessary) in accordance with the FS Class policy process outlined in Policy 1 – Initiation and Review of University Policies on or before 1 July 2024.**

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Senate Executive Committee

For Approval

Choose an item.

Open Session

To: Senate

Sponsor: Vivek Goel, President and Vice-Chancellor, and Chair of Senate
Contact Information: Office of the President

Presenter: Vivek Goel, President and Vice-Chancellor, and Chair of Senate
Contact Info: Office of the President

Date of Meeting: May 15, 2023

Agenda Item Identification: **10. Reports - Senate Executive Committee:
Amendment to Bylaw 4 – Ex-Officio Membership**

Recommendation/Motion:

That Senate gives second and final reading to the amendments to Senate Bylaw 4 as presented in this report, with said amendments to effect:

- a. Removal of the Vice-President, Advancement, the Vice-President, University Relations, and the Deputy Provost, Integrated Planning and Budgeting as *ex-officio* members of Senate
- b. Addition of the Associate Vice-President, Equity, Diversity, Inclusion & Anti-Racism, the Associate Vice-President, Indigenous Relations, and the Associate Vice-President, Academic Operations as *ex-officio* members of Senate

Summary:

Second and final reading of the proposal to amend the *ex-officio* membership of Senate to reflecting requirements for Senate operations and considerations for equity, diversity, and inclusion in the membership of Senate. The original proposal was presented at the 27 March 2023 Senate meeting and was withdrawn following discussion. The proposal has been revised to address feedback from Senators.

The University has made clear commitments toward positive action in the space of equity, diversity, inclusion and anti-racism (EDI-R), as well as having made a full commitment to decolonization, Indigenization and reconciliation. In the context of these commitments, and in line with the President's Anti-Racism Taskforce (PART) recommendation 78, it is important that the membership of Senate be reflective of the community that it serves. Currently there are five *ex-officio* members of Senate designated in Senate Bylaw 4 that are specific members of Executive Council. It is proposed that the Associate Vice-President, Equity, Diversity, Inclusion & Anti-Racism, the Associate Vice-President, Indigenous Relations, and the Associate Vice-President, Academic Operations are added as *ex-officio* members of Senate, and that the Vice-President, Advancement, the Vice-President, University Relations, and the Deputy Provost, Integrated Planning and Budgeting are removed.

Senate Executive Committee

With this amendment the University will fill specific gaps in representation on Senate in congruence with the University's commitments. It is emphasized that those appointed under this provision are full-fledged members of Senate and will take a broad interest in all matters brought forward to that body, as is expected for all Senators.

The proposed bylaw amendments as presented will effect no change to overall number of Senate members (92), and will keep intact the majority membership of faculty representatives on Senate as well as the present ratios of representation between the elected members of Senate from the Board of Governors, the undergraduate students, the graduate students and the alumni.

Jurisdictional Information:

Senate is empowered under section 22(o) of the *University of Waterloo Act, 1972*:

"...to enact by-laws and regulations for the conduct of its affairs."

Section 18(a) of the *University of Waterloo Act, 1972* describes the *ex-officio* membership of Senate, including article 9 of the section:

"9. Such other *ex-officio* members as the Senate by by-law may, from time to time, designate."

Under Senate Bylaw 1, section 14 "Bylaws – general":

- 14.01 The passage of a new bylaw or amendment(s) to an existing bylaw is accomplished in two readings by Senate. At the first reading, such discussion as is deemed appropriate by Senate shall take place. At the second reading, further discussion may take place and the vote on the document shall be taken. The two readings shall take place at different, but not necessarily consecutive, meetings of Senate.
- 14.02 No proposed bylaw or amendment(s) will be given reading unless it has been bound into or accompanies the agenda portfolio distributed in advance of the meeting.
- 14.03 Any proposed bylaw or amendment(s) shall include the proposed wording of the bylaw or amendment(s), and where appropriate, a summary of the reasons for such bylaw or amendment(s).
- 14.04 In order to be approved by Senate, any new bylaw or amendment(s) to bylaws must receive the affirmative vote of at least two-thirds of the members of Senate present and voting at the meeting.

Highlights:

Recommended amendments to Senate Bylaw 4 are as follows:
(strikethrough = deleted text, underline = new text)

"...

BE IT THEREFORE enacted as a bylaw of Senate of the University of Waterloo as follows:

Senate Executive Committee

That the following be named as *ex-officio* members of Senate:

- a. ~~The vice-president, advancement.~~ The associate vice-president, equity, diversity, inclusion & anti-racism.
- b. ~~The vice-president, university relations.~~ The associate vice-president, Indigenous relations.
- c. The vice-president, research and international.
- d. The associate vice-president, academic.
- e. ~~The deputy provost, integrated planning and budgeting.~~ The associate vice-president, academic operations.
- f. The president of the Faculty Association of the University of Waterloo.
- g. The president of the Federation of Students, University of Waterloo.
- h. The president of the Graduate Student Association - University of Waterloo.

...”

Previous Action Taken:

A motion was brought forward to Senate to at the 27 March 2023 that Senate gives first reading to the amendments to Senate Bylaw 4 as presented. Following discussion, the motion was withdrawn. The proposed amendments have been revised to address feedback from Senators. The revised motion was brought forward to Senate on 17 April 2023 for first reading to the amendments to Senate Bylaw 4 as presented, and was approved.

Governance Path:

Senate Executive Committee, 6 March 2023

Senate, 27 March 2023 (withdrawn)

Senate Executive Committee, 3 April 2023 (revised)

Senate, 17 April 2023 (first reading)

Senate, 15 May 2023 (planned second reading)

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Senate Graduate and Research Council

For Information

Open Session

To: Senate

Sponsor: Charmaine Dean
Contact Information: Vice-President, Research & International

Sponsor: Jeff Casello
Contact Information: Associate Vice-President, Graduate Studies and Postdoctoral Affairs

Presenter: Jeff Casello
Contact Info: jcasello@uwaterloo.ca

Date of Meeting: May 15, 2023

Agenda Item Identification: 11. Report - Senate Graduate & Research Council

Summary:

[Senate Graduate & Research Council](#) met on 10 April 2023 and agreed to forward the following items to Senate for information as part of the consent agenda.

On behalf of Senate, the following items were approved:

1. Curricular Submissions

Council approved new courses, course revisions, course inactivations milestone revisions, and minor program revisions for:

- a. [Faculty of Arts](#) (Political Science, Global Governance, Peace and Conflict Studies, English Language and Literature, Psychology, Sociology)
- b. [Faculty of Engineering](#) (Chemical Engineering, Systems Design, Electrical and Computer)
- c. [Faculty of Environment](#) (Public International Law)
- d. [Faculty of Health](#) (School of Public Health Sciences, Kinesiology & Health Sciences)
- e. [Faculty of Math](#) (Computer Science)
- f. [Faculty of Science](#) (Academic Integrity Workshop)

2. Graduate Awards

[Council approved](#) the following:

- a. Waterloo Architecture Award in Community Studies – trust
- b. KIRKOR architects + Planners Graduate Scholarship in Entrepreneurship – trust
- c. Graduate Award for the Black and Indigenous Students

Jurisdictional Information:

As provided for in [Senate Bylaw 2](#), section 4.03, council is empowered to make approvals on behalf of Senate for a variety of operational matters:

Senate

(f) On behalf of Senate, consider and approve all new graduate courses, the deletion of graduate courses, and proposed minor changes to existing graduate courses and programs, and provide Senate with a brief summary of council's deliberations in this regard. Any matter of controversy that might arise may be referred to Senate.

(i) On behalf of Senate, consider and approve all new graduate scholarships and awards. Any matter of controversy that might arise may be referred to Senate.

For Information**Open Session**

To: Senate

Sponsor: David DeVidi, Associate Vice-President, Academic
Contact Information: david.devidi@uwaterloo.ca

Presenter: David DeVidi, Associate Vice-President, Academic
Contact Information: david.devidi@uwaterloo.ca

Date of Meeting: May 15, 2023

Agenda Item Identification: 12. Report – Senate Undergraduate Council**Summary:**

[Senate Undergraduate Council](#) met on April 11, 2023 and agreed to forward the following items to Senate for information as part of the consent agenda.

On behalf of Senate, the following items were approved:

Minor Plan & Curricular Modifications

Council approved minor plan changes, new courses, course changes, and course inactivations for:

- a. [Faculty of Arts](#) (dean of arts; classical studies, Conrad Grebel university college; fine arts; French studies; Germanic & Slavic studies; medieval studies; philosophy; religious studies; Renison university college; school of accounting & finance; Spanish & Latin American studies; St Jerome university;)
- b. [Faculty of Health](#) (aging studies option; bachelor of public health, honours; bachelor of science, diploma in gerontology; gerontology minor; health research specialization; honours health sciences; honours kinesiology co-op sequence; kinesiology and health sciences; rehabilitation sciences specialization; school of public health science)
- c. [Faculty of Mathematics](#) (admissions; computer science; computer science software engineering specialization; mathematics minor; pure math)
- d. [Faculty of Science](#) (chemistry; honours science and aviation; pharmacy; physics)

Jurisdictional Information:

As provided for in [Senate Bylaw 2](#); section 5.03; council is empowered to make approvals on behalf of Senate for a variety of operational matters:

- (c) On behalf of Senate; consider and approve all new undergraduate courses; the deletion of undergraduate courses; and proposed changes to existing undergraduate courses and minor changes to programs and/or plans; and provide Senate with a summary of council's deliberations in this regard. Any matter of controversy that might arise may be referred to Senate.

- (e) Consider; study and review briefs on any aspect of undergraduate studies from members of the university.



Senate Undergraduate Council

For Approval

Open Session

To: Senate

Sponsor: David DeVidi, Associate Vice-President, Academic
Contact Information: david.devidi@uwaterloo.ca

Presenter: David DeVidi, Associate Vice-President, Academic
Contact Information: david.devidi@uwaterloo.ca

Date of Meeting: May 15, 2023

Agenda Item Identification: **12a. Report – Senate Undergraduate Council:
Academic Regulation Revision of the Second Degree and
Degree Upgrades for the Faculty of Health**

Summary:

[Senate Undergraduate Council](#) met on April 11, 2023 and agreed to forward the following items to Senate for approval as part of the consent agenda.

Recommendation/Motion:

That Senate approve the proposed academic regulation revision of the second degree and degree upgrades for the Faculty of Health, effective 1 September 2024, as presented.

Jurisdictional Information:

As provided for in [Senate Bylaw 2](#), section 5.03, council is empowered to make approvals on behalf of Senate for a variety of operational matters:

- (a) Make recommendations to Senate with respect to rules and regulations for the governance, direction and management of undergraduate studies in the university.

Governance Path:

Health Undergraduate Studies Committee approval date (mm/dd/yy): 01/06/23

Faculty approval date (mm/dd/yy): 01/27/23

Senate Undergraduate Council approval date (mm/dd/yy): 04/11/23

Background and Rational:

The proposed change is to streamline the process and align with practices in other faculties (those who allow degree upgrades).

Proposed Changes:

Current calendar text: <http://ugradcalendar.uwaterloo.ca/page/HEA-Second-Degree-and-Degree-Upgrade>

Proposed calendar text: (underlined and bolded = new, strikethrough = deletion)

Second Degree

Applicants who have previously completed a three-year or four-year undergraduate degree from the University of Waterloo or at another post-secondary institution will be considered for entry to one of the bachelor's degrees offered by the Faculty of Health.

This option is intended for students exploring a new and distinct area of study.

- a Bachelor of Science degree in Kinesiology
- a Bachelor of Arts degree in one of the following honours majors:
 - Recreation and Leisure Studies
 - Recreation and Sport Business
 - Therapeutic Recreation
- a Bachelor of Public Health, Honours degree
- a Bachelor of Science, Honours Health Sciences degree

Students completing a second degree will not be eligible to participate in the co-operative (co-op) system of study.

The amount of time that has lapsed since the completion of the first degree will be a factor in determining admissibility to a plan and it may impact the number of transfer credits awarded. Normally, transfer credits will be awarded for courses meeting the [transfer credit criteria](#).

- For Kinesiology and Health Sciences transfer credits, courses must have been taken within the previous five years.
- For Public Health transfer credits, courses must have been taken within the previous eight years.

Once admitted, a minimum of 10.0 units (20 courses) must be completed beyond the first degree; including 10 REC courses for Recreation and Leisure Studies majors. These additional courses must include all requirements specified for the new degree and all required courses must be completed at Waterloo. The amount of time required to fulfil all requirements of this second degree will be dependent on the number of transfer credits awarded. If equivalents to core requirements are not assigned, then it will take longer than two years to complete all degree requirements.

Degree Upgrade

Recreation and Leisure Studies general students may pursue a degree upgrade from general to honours. Graduates with a general degree who wish to upgrade will be admitted on a case-by-case basis. Normally, applications to upgrade a degree must be completed within eight years following completion of the general degree. ~~Students wishing an upgrade are required to return the earlier degree in order to be granted the upgraded degree.~~

Information on common degree requirements is outlined in the [Common Degree Requirements](#) section of this Calendar.

Senate Nominating Committee for Honorary Degrees

For Information

Open Session

To: Senate

Sponsor: Vivek Goel, President and Vice-chancellor
Contact Information: president@uwaterloo.ca

Sponsor: Jim Rush, Vice-President Academic & Provost
Contact Information: provost@uwaterloo.ca

Presenter: Vivek Goel, President and Vice-chancellor
Contact Info: president@uwaterloo.ca

Date of Meeting: May 15, 2023

Agenda Item Identification: 13. Report – Honorary Degree Committee

Summary:

The Senate Honorary Degree Committee announces the 2022 Spring Convocation List of Honorands.

Faculty of Health: Tuesday, June 13, 2023, 10:00am

- Scott Leatherdale – invited guest speaker (S)
- Terry Stewart - Honorary Member of the University

Faculty of Environment: Tuesday, June 13, 2023, 2:30pm

- Raphael Ayambire – invited guest speaker (S)
- Barbara Schumacher - Honorary Member of the University

Faculty of Mathematics: Wednesday, June 14, 2023, 10:00am

- No honorands

Faculty of Mathematics: Wednesday, June 14, 2023, 2:30pm

- Trevor Hastie – Honorary Doctor of Mathematics (S)

Faculty of Mathematics: Wednesday, June 14, 2023, 6:30pm

- Arlie Petters – Honorary Doctor of Mathematics (S)
- Edwin Anderson - Honorary Member of the University
- Kenneth R. Davidson - Distinguished Professor Emeritus
- Steven Furino - Honorary Member of the University

Faculty of Arts: Thursday, June 15, 2023, 10:00am

- Seana McKenna – Honorary Doctor of Letters (S)
- Sharon Lamont - Honorary Member of the University

Senate Nominating Committee for Honorary Degrees

Faculty of Arts: Thursday, June 15, 2023, 2:30pm

- John Borrows – Honorary Doctor of Letters (S)
- Lorne Dawson - Distinguished Professor Emeritus
- Jo-Anne Woods - Distinguished Professor Emerita

Faculty of Arts: Thursday, June 15, 2023, 6:30pm

- Debra Pepler – Honorary Doctor of Letters (S)

Faculty of Science: Friday, June 16, 2023, 10:00am

- Yanxin Wang – Honorary Doctor of Science (S)

Faculty of Science: Friday, June 16, 2023, 2:30pm

- Mark Willcox – Honorary Doctor of Science (S)

Faculty of Engineering: Friday, June 16, 2023, 6:30pm

- Cristina Amon – Honorary Doctor of Engineering (S)

Faculty of Engineering: Saturday, June 17, 2023, 10:00am

- Rola Dagher – Honorary Doctor of Engineering (S)
- George Freeman – Honorary Member of the University

Faculty of Engineering: Saturday, June 17, 2023, 2:30pm

- Lisa Aultman-Hall – invited guest speaker (S)

Faculty of Engineering: Saturday, June 17, 2023, 6:30pm

- John Buzacott – invited guest speaker (S)

S = speaker

Biographies:

*Waiting to receive Bios from CRE



Office of the Vice-President, Academic and Provost

For Information

Open Session

To: Senate

Sponsor: James W.E. Rush, Vice-President, Academic and Provost
Contact Information: provost@uwaterloo.ca

Presenter: James W.E. Rush, Vice-President, Academic and Provost
Contact Information: provost@uwaterloo.ca

Date of Meeting: May 15, 2023

Agenda Item Identification: 16. Report of the Provost – Faculty Appointments, Leaves

Summary:

The Faculty Reports for Senators' information regarding the variety of appointments, reappointments, special appointments, leaves, and other matters of interest about individuals in the Faculties are available at the [Senate agenda page](#)¹.

¹ <https://uwaterloo.ca/secretariat/sites/default/files/uploads/documents/all-faculties-may-2023-2.pdf>

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