**University of Waterloo**  
**SENATE**  
**Notice of Meeting**

**Date:** Monday 25 February 2019  
**Time:** 3:30 p.m.  
**Place:** Needles Hall, room 3407

### OPEN SESSION

**3:30 Consent Agenda**  
**Motion:** To approve or receive for information by consent items 1-5 below.

1. Minutes of the 21 January 2019 Meeting  
2. Reports from Committees and Councils  
   a. Graduate & Research Council  
   b. Undergraduate Council  
3. Report of the President  
   a. Tenure and Promotion  
   b. Honorary Degrees and Convocation Speakers  
   c. Recognition and Commendation  
4. Reports from the Faculties  
5. Committee Appointments

### Regular Agenda

**3:35**  
6. Business Arising from the Minutes

**3:40**  
7. Teaching Presentation – Donna Ellis, Director, Centre for Teaching Excellence, The Future Classroom

**3:55**  
8. Reports from Committees and Councils  
   a. University Appointment Review Committee

**4:05**  
9. Report of the President

**4:15**  
10. Q&A Period with the President

**4:25**  

**4:35**  
12. Report of the Vice-President, University Research & International

**4:40**  
13. Other Business

### CONFIDENTIAL SESSION

**4:45**  
14. Minutes of the 21 January 2019 Meeting

**4:50**  
15. Business Arising from the Minutes

**4:55**  
16. Reports from Committees and Councils  
   a. Honorary Degrees Committee

**5:00**  
17. Student Matter*  
18. Other Business

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25 January 2019  
KJJ/ejg  
Karen Jack  
University Secretary

*material will be distributed at the meeting*
OPEN SESSION

The vice-chair welcomed members to the meeting and advised that he is assuming the chair while the president is attending the World Economic Forum annual meeting in Davos, Switzerland. With respect to the agenda, Rush advised that item 13., Other Business, should not be indicated as a decision, and that there is a new agenda item 16., Report from the Honorary Degrees Committee, and he directed Senators’ attention to that report at their places.

Consent Agenda
Senate heard a motion to approve or receive for information the items on the consent agenda.

Dea and Gorbet.

1. MINUTES OF THE 19 NOVEMBER 2018 MEETING
Senate approved the minutes of the meeting.

2. REPORTS FROM COMMITTEES AND COUNCILS
Executive Committee. Senate received the report for information.

Graduate & Research Council. Senate received the report for information.

Undergraduate Council. Senate heard the following motions:
Faculty of Arts, BA Breadth Requirements

Motion: That Senate approve the following revisions to the “BA Breadth Requirements” section of the Faculty of Arts Undergraduate Studies Academic Calendar, effective 1 September 2019.

Faculty of Arts, BA Co-op Requirements

Motion: That Senate approve the following revisions to the “BA Co-op Requirements” section of the Faculty of Arts Undergraduate Studies Academic Calendar, effective 1 September 2019.

Faculty of Arts, Restrictions on Multiple-Plan Combinations

Motion: That Senate approve the following revisions to the “Multiple Plan Combinations” section of the Faculty of Arts Undergraduate Studies Academic Calendar, effective 1 September 2019.

Faculty of Arts, Communication Skills Requirement

Motion: That Senate approve the following revisions to the “Communication Skills Requirement” section of the Faculty of Arts Undergraduate Studies Academic Calendar, effective 1 September 2019.

Senate received the remainder of the report for information.

3. REPORT OF THE PRESIDENT

Recognition and Commendation. Senate received the report for information.

4. REPORTS FROM THE FACULTIES

Senate received the reports for information.

5. COMMITTEE APPOINTMENTS

Senate approved the following appointments:

- Senate Undergraduate Council: Vivian Dayeh, Department of Biology (replacing Carey Bissonnette) as representative from the Faculty of Science, term to 30 April 2020.

Senator Gorbet inquired re: details around the reflection summary and Coniglio agreed to follow up with Gorbet offline.

The question was called, and the motion carried unanimously.

Regular Agenda

6. BUSINESS ARISING FROM THE MINUTES

There was no business arising.

7. GRADUATE STUDENT PRESENTATION

Jeff Casello introduced Phoebe Stephens, PhD student, School of Environment, Resources and Sustainability.

Speaking to her presentation titled “Impact Investing in Sustainable Food Systems”, Stephens outlined the nature of her research, including: its transdisciplinarity; her goal to understand better the role of finance in the food system and ways in which it might support greater sustainability; ways to explore the opportunities of social finance. She described: recent shifts in food production and consumption patterns; an increasing recognition of unsustainability in the current food system; financialization; calls for socializing finance of food systems; what she is learning from her case studies. In discussion: the “FarmWorks” investment program in Nova Scotia is a good example of
how social financing can help with sustainability; possible reasons for the lack of solutions offered by scholars of financialization; the complexity of developing indicators for sustainability; Stephens’ optimism for the future.

8. REPORTS FROM COMMITTEES AND COUNCILS

Senate Graduate & Research Council

Senate heard the following motions:

**Faculty of Mathematics**

**Motion:** To approve a new graduate program - Master of Data Science and Artificial Intelligence (MDSAI) - effective 1 September 2019, as presented in Attachment #1.

Casello and Watt.

In response to a question about the popularity of some of the undergraduate level courses in the program and whether undergraduates will find them even more difficult in which to enroll, Senator Giesbrecht advised that more hiring is being undertaken in this area and if necessary, separate sections will be created for graduate students. In response to another question, Giesbrecht confirmed that a feasibility study was completed by CECA and there is confidence that co-op positions will be available for students in this program.

The question was called and the motion carried unanimously.

**Motion:** To approve a new graduate program - Master of Mathematics in Data Science – effective 1 September 2019, as presented in Attachment #2.

Casello and Watt.

In response to a question, Giesbrecht spoke to the reasons for the different names in the two programs on the table today.

The question was called and the motion carried unanimously.

Undergraduate Council

Senate heard the following motions:

**Faculty of Arts, English Language and Literature**

**Motion:** To approve the proposed three-year general English Literature and Rhetoric plan as described below, effective 1 September 2019.

**Motion:** To approve the proposed three-year general English Rhetoric, Media, and Professional Communication plan as described below, effective 1 September 2019.

These motions were moved together.

Coniglio and Peers. Carried unanimously.
Motion: To approve the proposed Creative Writing Specialization as described below, effective 1 September 2019.

Coniglio and Peers. Carried unanimously.

Faculty of Arts, French Studies
Motion: To approve the proposed inactivation of existing certificates and creation of new diplomas in French Language as described below, effective 1 September 2019.

Faculty of Arts, Germanic and Slavic Studies
Motion: To approve the proposed inactivation of the existing certificate and creation of a new diploma in Croatian Language as described below, effective 1 September 2020.

Motion: To approve the proposed inactivation of the existing certificate and creation of a new diploma in Dutch Language as described below, effective 1 September 2020.

Motion: To approve the proposed inactivation of the existing certificate and creation of a new diploma in German Language as described below, effective 1 September 2020.

Motion: To approve the proposed inactivation of the existing certificate and creation of a new diploma in Russian Language as described below, effective 1 September 2020.

Faculty of Arts, Spanish and Latin American Studies
Motion: To approve the proposed inactivation of the existing certificate and creation of a new diploma in Latin American Studies as described below, effective 1 September 2019.

Motion: To approve the proposed inactivation of existing certificates and creation of new diplomas in Spanish Language as described below, effective 1 September 2019.

These motions were moved together.

Coniglio and Peers. Carried unanimously.

9. REPORT OF THE VICE-PRESIDENT, ACADEMIC & PROVOST

The provost provided an update on the activities of the Student Experience Review and advised that Senate will be kept informed re: progress. Rush invited Newell Kelly to speak to the recently opened Student Service Centre and its coming grand opening. She invited members to attend the grand opening celebration and ribbon cutting on 30 January from 2:30 to 3:30 p.m. at the Centre, located on the first floor of Needles Hall. The provost closed with a brief review of coming budget activities, including some thoughts on the impact of last week’s tuition announcement by the province. In discussion, advice that the estimated impact of a 10% domestic tuition cut would be in the range of 4%; agreement that some detail re: tuition types will be included in budget materials produced for Senate and the Board. Rush committed to keeping Senate apprised of budget matters.

10. REPORT OF THE VICE-PRESIDENT, UNIVERSITY RESEARCH

Senate received the report for information.
11. OTHER BUSINESS

Senator Salman thanked members of Senate for their support of the open pianos initiative he introduced last year and invited any member with questions about it to contact him directly.

Senate convened in confidential session.

22 January 2019
Karen Jack
University Secretary
CONFIDENTIAL SESSION

The confidential minutes have been removed.
Senate Graduate & Research Council met on 14 January 2019 and agreed to forward the following items to Senate for information as part of the consent agenda.

Further details are available at: https://uwaterloo.ca/secretariat/committees-and-councils/senate-graduate-research-council

FOR INFORMATION

ACADEMIC PROGRAM REVIEW REPORTS
On behalf of Senate, council approved:

- Final Assessment Report – Global Governance (MA), as presented in Attachment 1.

GRADUATE AWARDS
On behalf of Senate, council approved the KEEN Graduate Entrance Scholarship (trust), Environment Domestic Graduate Entrance Scholarship (operating), Global Governance Master’s Fellowship (endowment and operating), Global Governance Doctoral Fellowship (endowment and operating), and Catherine Booth and Michael Kirk Graduate Award (endowment).

//kw
Jeff Casello
Associate Vice-President, Graduate Studies and Postdoctoral Affairs

Charmaine Dean
Vice President, University Research
Final Assessment Report
Global Governance (MA)
August 2018

Summary of the Program Review:
In accordance with the University’s Institutional Quality Assurance Process (IQAP), this final assessment report provides a synthesis of the external evaluation and the internal response of the Master of Arts (MA) in Global Governance program delivered by the Balsillie School of International Affairs (BSIA). A self-study (Volume I) was submitted to the Associate Vice-President, Graduate Studies and Postdoctoral Affairs on July 14, 2017. The self-study presented the program descriptions and learning outcomes, an analytical assessment of the program, including the data collected from student and alumni surveys, along with the standard data package prepared by the Office of Institutional Analysis & Planning (IAP). The CVs for each faculty member associated with the program were included in Volume II of the self-study.

Two arm’s-length external reviewers were selected from Volume III of the self-study. Dr. Randall Germain, Professor of Political Science at Carleton University, and Dr. David Black, Professor of Political Science at Dalhousie University were selected by the Associate Vice-President, Graduate Studies and Postdoctoral Affairs, as well as one internal reviewer, Dr. David Rose, Professor of Biology.

Reviewers appraised the self-study documentation and conducted a site visit to the University on January 4-5, 2018. The visit included interviews with the Vice-President, Academic & Provost; Associate Vice-President, Graduate Studies and Postdoctoral Affairs; Faculty of Arts Associate Dean of Graduate Studies and the Director of the Program. The review team also had the opportunity to meet with Faculty members, staff and current graduate students.

This final assessment report is based on information extracted, in many cases verbatim, from the self-study, the external reviewers’ report and the program response.

Program characteristics:
The Master of Arts in Global Governance program (MAGG) is a multidisciplinary program that draws on the core disciplines of Political Science, History, and Economics, as well as complementary disciplines such as Environment and Resource Studies, and Sociology. The main objective of the MAGG Program is to provide world-class instruction and learning experiences that help to advance intellectual leadership in the emerging field of global governance.
Summary of strengths, challenges and weaknesses based on self-study:

Strengths:
- High student demand for the program
- Academically rigorous curriculum
- Excellent time to completion and retention numbers
- Current funding arrangements
- First-rate faculty who are leading scholars in their fields
- Dynamic internships and experiential learning opportunities for students
- Excellent learning environment at the BSIA
- Intellectually stimulating events offered through BSIA’s Research Cluster Areas
- Deep partnerships with leading academic and non-academic organizations

Challenges:
- Insufficient funding to support international internships, many of which are unpaid

Weaknesses:
- Because of the funding model in Ontario, the program is restricted in the number of international students it can admit
- Students in the MAGG are required to pay full-time tuition while on their internships, whereas students in a co-op program only pay a co-op fee while on placement

Summary of key findings from the external reviewers’:
The MAGG is a world-class program in overall good standing. It boasts a superb complement of faculty, including many world-class scholars as well as a large number of strong, younger emerging scholars. The research capacity of the faculty in this program is first rate, and the evolution of the research profiles of those connected to the program speaks to what we see as the enduring as well as timely challenges of global governance. The student body is also outstanding, and happily the application numbers are robust. The curriculum of the program is entirely appropriate to the field of global governance studies, and the experience of faculty in delivering it and of students in learning about the field is wholly satisfactory. Finally, the facilities are exceptional, and the funding provided by the program to its students is among the best for a program of its kind in Canada. This program adds real value to the University of Waterloo.

Program response to external reviewer recommendations:

Recommendations

1. Curriculum:
   1) consider adding a methodological requirement
2) examine core course content overlap
3) recalibrate the economics core requirement
4) reconsider role of fields in program
5) specify with more precision processes and benchmarks pertaining to Internship/Fellowship components of program.

Response
1) The reviewers suggested that the program add a required methods course. The program respectfully disagrees with this recommendation for a number of reasons. First and foremost, the MAGG is an interdisciplinary program that draws on multiple disciplines, all of which have their own particular methodological approaches to research. To incorporate all of these approaches into one 12-week course would not do justice to any one of the approaches, and would be of questionable value pedagogically. As such, the program directorship believes that students who wish to have methodological training in a particular discipline would be better served by taking a methods course offered by one of the program’s partner departments. Moreover, students are already required to complete political science, history, and economics requirements, as well as a core course in global governance, which provides an overview of the field of global governance. Adding a mandatory required methods course would mean that five of the six courses in the program are required courses, thereby limiting students’ elective options and potentially negatively affecting our future enrollment. However, the MAGG steering committee agreed that, on a case-by-case basis, it would allow students to take a methods course offered by partner departments.

2) In response to concerns that there was a fair amount of overlap between GGOV 600 and HIST 605, the reviewers asked the program to consider merging the two. The committee agreed that this was neither desirable nor necessary given that with the removal of the ECON requirement students will have greater course selection going forward. Nonetheless, for 2018-2019, MAGG will allow students to substitute HIST 605 for another graduate history course that has an international focus. This curricular change does not require any new resources, and has been submitted for approval.

3) In its current form, the economics core course is not working well for the program, the instructor or students. In lieu of offering ECON 637 in 2018-2019, MAGG will ask students to take either a Global Political Economy or an alternative Economics course from a pre-determined menu of courses. This curricular change does not require any new resources, and has been submitted for approval.

4) The reviewers noted that the fields in the program do not play a crucial role in the curriculum of the program. While this is true, the fields do give prospective students a sense of the types of issues that are addressed in the program. The MAGG Steering Committee decided that it would follow the lead of the PhD Global Governance program, which is also revisiting the place of the fields in the program as part of its
cyclical review. The PhD Global Governance program has conducted its review and has concluded that all six do add value to the program. In order to remain consistent with the PhD program, the MAGG program will not be modifying the fields.

5) The Committee noted that the reviewers seem to have conflated the Global Affairs Canada Graduate fellowship and internship component of the program. Although students can use their fellowship as their internship, the two are quite separate, and the reviewers’ comments really only pertain to the fellowship since the students whom they consulted with had only finished one term of course work at the time of the site visit. The Global Affairs Canada (GAC) fellowship is an integral part of the MAGG, and the program will do all that it can to ensure that all students have a consistent and meaningful experience.

2. Communication: communicate availability of and process to register in courses outside the MAGG program. Revisit communication of program requirements, events, processes and deadlines to students in a more systematic fashion.

Response
The program already communicates a great deal with students, including in the summer prior to beginning the program. All students receive a program handbook that contains program requirements in July, along with information about course offerings. Once in the program, students receive a weekly bulletin listing events and other opportunities. However, good communication is an ongoing issue and the program will strive to have open and clear communication on all matters relating to the program.

3. Faculty renewal: reconsider governance arrangements and a budgetary model to better enable alignment between financial and programmatic needs of MAGG. Reform here should enable faculty renewal to proceed. Existing arrangements make MAGG an orphan program, and orphan programs rarely survive beyond their initial funding cycle.

Response
Given that Global Governance is a program and not a department, faculty renewal is not something the program has any direct control over. However, it is a serious issue for the long-term success of the MAGG as well as the PhDGG. Moreover, there is no appetite at UW to create a “BSIA unit” that would have some say on new hires. Given these structural constraints, the MAGG and PhD program directors would welcome the opportunity to meet with the Deans of the Faculties of Arts and Environment and the Provost to discuss ways in which the needs of the global governance programs can be taken into account when partner departments hire new faculty.
# Implementation Plan:

<table>
<thead>
<tr>
<th>Recommendations</th>
<th>Proposed Actions</th>
<th>Responsibility for Leading and Resourcing (if applicable) the Actions</th>
<th>Timeline for addressing Recommendations</th>
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<tbody>
<tr>
<td>1. Curriculum:</td>
<td>The program has acted on items 2 and 3 (see the program’s webpage for such changes and course flexibility offered), and is acting on item 5 (it is currently under consideration and being discussed by Global Governance committees. It does not believe that item 1 would be beneficial to the program (see note above), and is following the lead of the PhD-GG program on item 4.</td>
<td>Suzan Ilcan, Andrew Thompson, and Shelby Davies</td>
<td>Spring 2019</td>
</tr>
<tr>
<td>2. Communication: communicate availability of and process to register in courses outside the MAGG program. Revisit communication of program requirements, events, processes and deadlines to students in a more systematic fashion.</td>
<td>The program already has extensive and regular communications with students, including regular meetings throughout the year, and does provide them with a handbook prior to beginning the year. The handbook includes more than course information, such as information regarding office space, safety protocols, exchanges, getting a library card, etc. Going forward, it</td>
<td>Suzan Ilcan, Andrew Thompson, and Shelby Davies</td>
<td>Ongoing</td>
</tr>
</tbody>
</table>
will strive to improve communications by holding additional group and individual meetings with the students, professionalization workshops, and making the handbook available online (such improvement to communications has been addressed this year, 2018, and will continue in the future).

| 3. | Faculty renewal: reconsider governance arrangements and a budgetary model to better enable alignment between financial and programmatic needs of MAGG. Reform here should enable faculty renewal to proceed. Existing arrangements make MAGG an orphan program, and orphan programs rarely survive beyond their initial funding cycle. | This is not something that the program has any direct control over. However, the program will discuss with relevant stakeholders possibilities for having some input on new faculty hires in partner departments | Suzan Ilcan | Ongoing |

The Department Chair/Director, in consultation with the Dean of the Faculty shall be responsible for monitoring the Implementation Plan.
Date of next program review: 2024-2025

Signatures of Approval:

Chair/Director

Date

AFIW Administrative Dean/Head (For AFIW programs only)

Date

Faculty Dean

Date

Note: AFIW programs falls under the Faculty of ARTS; however, the Dean does not have fiscal control nor authority over staffing and administration of the program.

Associate Vice-President, Academic
(For undergraduate and augmented programs)

Date

October 10, 2018

Associate Vice-President, Graduate Studies and Postdoctoral Affairs
(For graduate and augmented programs)

Date
Senate Undergraduate Council met on 15 January 2019 and agreed to forward the following items to Senate. Council recommends that these items be included for information or approval, as noted, in the consent agenda.

Further details are available at: uwaterloo.ca/secretariat/committees-and-councils/senate-undergraduate-council

FOR APPROVAL

INACTIVATION OF ACADEMIC PLANS
Faculty of Science

1. Honours Co-operative Chemistry, Biobased Specialization

Motion: That Senate approve the inactivation of the Honours Co-operative Chemistry, Biobased Specialization.

Rationale: When the Honours Chemistry, Biobased Specialization plan was created for 2015 (February 2014 SUC approved) there was no intent to offer it as a co-op plan, but both a regular and co-op plan codes (H and HC) were created. The co-op code, CHEMBB05HC, is not required and should be inactivated.

FOR INFORMATION

NEW UNDERGRADUATE AWARDS
Attachment #1 to this report contains a listing of newly-approved awards.

MINOR PLAN & CURRICULAR MODIFICATIONS
Council approved the following on behalf of Senate:
- minor plan changes for the faculty of science (honours biomedical sciences, honours life physics, honours life physics – medical physics specialization, articulation agreements with Conestoga College).
- new courses for the faculty of science (pharmacy, science)
- course changes for the faculty of science (biology, chemistry, optometry)
- course inactivations for: the faculty of science (chemistry)

Mario Coniglio
Associate Vice-President, Academic

/rmw
NEW UNDERGRADUATE SCHOLARSHIPS, AWARDS, and BURSARIES

to be added to the Undergraduate Awards Database

- submitted for the January 15, 2019 meeting of Senate Undergraduate Council -

ENTRANCE AWARDS

Azita Darabian Memorial Award
An award, valued at up to $6,000, will be provided annually to a full-time undergraduate student entering Year One in the School of Pharmacy. Selection will be based on academic excellence (minimum admission average of 80%), combined with extracurricular involvement and/or participation in volunteer activities and their intention of continuing their involvement through activities within the School of Pharmacy. Candidates must also have a demonstrated financial need as determined by Waterloo. To be considered, students must submit the University of Waterloo Full-time Bursary application along with a letter (maximum two pages) describing their eligibility by November 15. The selected student will receive $3,000 in Year One. To be considered for the remaining $3,000, the recipient will have achieved a 75% cumulative average in Year One and will be asked to provide a letter by November 15 of their 2A term, outlining their extracurricular involvement within the School of Pharmacy and how they achieved their goals as set out in their original application. This fund is made possible by a donation from the Darabian Family in memory of their daughter and sister, Azita Darabian.

Method of Financing: annual donation (seven-year pledge)

Fleet Complete Entrance Scholarship
A scholarship, valued at $2,000, will be awarded annually to a full-time undergraduate student entering Year One of any program in the Faculty of Engineering on the basis of academic excellence and involvement in extracurricular and leadership activities, as assessed through the Admission Information Form. This fund is made possible by a donation from Fleet Complete.

Method of Financing: annual donation (five-year pledge)

John Horton Memorial Scholarship
A scholarship, valued at up to $1,500, is awarded annually to an outstanding undergraduate student entering Year One in the School of Planning. Selection is based on academic excellence combined with leadership involvement as assessed through the Admission Information Form. This fund is made possible by donations from family and friends in memory of John Horton.

Method of Financing: endowment

CJ Moore Entrance Award
An award, valued at up to $8,000 over eight academic terms, will be awarded annually to a deserving full-time undergraduate student entering Year One of the Biomedical Engineering program. Selection will be based on academic excellence and extracurricular achievements, with preference to students who have participated in competitive sports and/or leadership within the community, as assessed through the Admission Information Form. Preference will be given to Ontario residents who have demonstrated financial need as assessed through the University of Waterloo Entrance Bursary program. This fund is made possible by generous contributions from friends and family in memory of CJ Moore, a fourth-year Biomedical Engineering student who holds the distinction of being the first ever graduate of the University of Waterloo Biomedical Engineering program, having been awarded his degree posthumously in Fall of 2018.

Method of Financing: endowment
NEW UNDERGRADUATE SCHOLARSHIPS, AWARDS, and BURSARIES

to be added to the Undergraduate Awards Database

- submitted for the January 15, 2019 meeting of Senate Undergraduate Council -

Soltani-Moossai Award
An award, valued at $2,000, will be provided annually to a full-time undergraduate student entering Year One of Computer or Electrical Engineering. Selection will be based on a combination of academic excellence and financial need as determined by Waterloo. To be considered, students must complete the University of Waterloo Entrance Bursary on-line application by April 15. This award is supported by Waterloo Engineering alumni Tina, Sina, and Nima Soltani in recognition of their parents, Jaleh Seyed Moossai and Nosratollah Soltani, and in honour of their 50th wedding anniversary.

Method of Financing: annual donation (five-year pledge)

Lloyd Switzer Entrance Scholarship
A scholarship, valued at up to $2,500, will be awarded annually to a full-time undergraduate student entering Year One in the Faculty of Mathematics. Preference will be given to students from Stratford and Perth County. This fund is made possible by a donation from Lloyd Switzer (BMath ’88).

Method of Financing: annual donation (five-year pledge)

The Erindale Academy/ Toronto Central Academy - George Vanderkuur Scholarship
One scholarship valued at $5,000 or two scholarships valued at $2,500, will be awarded annually to outstanding undergraduate students enrolling in Year One of any degree-studies program at the University of Waterloo who are graduates of The Erindale Academy or Toronto Central Academy in Ontario. Selection will be based on academic excellence combined with community involvement and leadership skills, as assessed through the Admission Information Form. Preference will be given to students enrolling in programs within the Faculties of Mathematics or Science and to international students. This scholarship has been established to honour George Vanderkuur, The Erindale Academy and Toronto Central Academy’s current Director of Education, in recognition of his passion and commitment to education.

Method of Financing: annual donation (five-year pledge)

UPPER-YEAR AWARDS

Dr. Stanley F. Leavine Scholarship
A scholarship, valued at $2,500, is provided annually to an outstanding third- or fourth-year undergraduate student enrolled in any program at the University of Waterloo who has a demonstrated interest in pursuing a career in medicine or medical research as evidenced by work or volunteer experiences and/or involvement in entrepreneurial activities related to medical innovation. Candidates must have a minimum cumulative average of 80%. An application is required by October 15.

Method of Financing: endowment

Masternak Foundation Undergraduate Scholarship in English
Two scholarships, valued at $2,000 each, will be awarded annually to full-time undergraduate students enrolled in Year Two, Three, or Four who are majoring in any Honours degree plan in English Language and Literature and who are Canadian citizens or permanent residents. Selection is based on academic excellence (minimum 80% cumulative average). An application is not required. This fund is made possible by a donation from Matthew Masternak (BMath ’78, Combinatorics and Optimization, minor in English Language and Literature) via The Masternak Foundation.

Method of Financing: annual donation (four-year pledge)
NEW UNDERGRADUATE SCHOLARSHIPS, AWARDS, and BURSARIES

- submitted for the January 15, 2019 meeting of Senate Undergraduate Council -

**Lynne and Peter Woolstencroft Experiential Learning Award**

Awards of varying size are available to full-time undergraduate students enrolled in the Faculty of Arts who wish to participate in an extracurricular activity that will enhance their education in their program of study or an experiential activity tied to a course where the cost is not covered by their tuition. Selection is based on academic achievement (minimum 70% cumulative average) and a demonstration of how the activity will benefit the student’s knowledge acquisition, professional development, or enrich their in-class learning. Interested students must apply by completing an application form and submit it to the administrative co-ordinator in the Arts Undergraduate Office. This fund is made possible by a donation from Professor Emeritus Peter Woolstencroft, a revered educator and passionate advocate for experiential student learning.

*Method of Financing: progressive endowment*

**ATHLETIC AWARDS**

**Rich Nichol Memorial Award**

One award, valued at $2,000, will be given annually to a member of any varsity team. Preference will be given to student-athletes on the football team, the men's or women's basketball teams, or the men's or women's hockey teams. This award recognizes athletic talent and contribution to Warrior Athletics and Recreation, their team, and their community. This fund is supported by Waterloo alumnus Lisa McAughey and her husband Don Dennison in memory of their dear friend Rich Nichol, the long-time public address and webcast play-by-play announcer for Warriors basketball, hockey, and football. Dubbed 'The Voice of the Warriors', Rich was a staple at the Physical Activities Complex, the Columbia Icefield, and pretty much every other venue where Warriors could be found.

*Method of Financing: one-time donation and matching funds*

**Nordin Rugby Award**

Multiple awards, valued at up to $4,500, are given to members of the varsity men's rugby team. These awards recognize athletic talent and contribution to Warrior Athletics and Recreation, their team, and their community. This fund is supported by Waterloo and Warrior men's rugby alumnus, Bjorn Nordin.

*Method of Financing: annual donations and matching funds (five-year pledge)*

**Warrior Family Women's Hockey Alumni Award**

One award, valued at $2,100, is given to a member of the varsity women's hockey team. Preference will be given for a player viewed by her peers and coaches to be an ‘unsung hero’ of the team. This fund is supported by Warrior women's hockey alumni from 2004-2017.

*Method of Financing: annual donations and matching funds (five-year pledge)*

**Warrior Field Hockey Excellence Award**

One or more awards, valued at up to $4,500, are given to members of the varsity field hockey team. This award recognizes athletic talent and contribution to Warrior Athletics, their team and the school. This fund is supported by Warrior field hockey alumni and friends.

*Method of Financing: annual donations and matching funds (five-year pledge)*
NEW UNDERGRADUATE SCHOLARSHIPS, AWARDS, and BURSARIES

to be added to the Undergraduate Awards Database

- submitted for the January 15, 2019 meeting of Senate Undergraduate Council -

Warrior Women's Hockey Alumni Award
One award, valued at $2,100, is given to a member of the varsity women’s hockey team. Preference will be given to a first-year student-athlete who excels in hockey with the potential to improve the women’s hockey program. This fund is supported by Warrior women’s hockey alumni from 2004-2017.

Method of Financing: annual donations and matching funds (five-year pledge)

INTERNATIONAL EXPERIENCE AWARDS

Don Royce International Experience Award
An award, valued at up to $1,500, will be awarded annually to a full-time undergraduate student enrolled in Year Three or Four of any program in the Faculty of Arts who will be participating in an eligible international exchange/study abroad program or an eligible international co-op work term. Candidates must have a minimum overall average of 70%. Preference will be given to students with financial need for the term(s) abroad. Interested students should submit an application by July 15. This fund is made possible by a donation from Don Royce in support of Waterloo’s efforts to educate globally literate and world-ready graduates.

Method of Financing: endowment
Tenure and Promotion of Faculty Members

The 2017/18 tenure and promotion cycle carried out under Policy 77 – Tenure and Promotion has resulted in the following individuals being awarded tenure and/or promoted, effective 1 July 2018.

Awarded University Professor:
   ÖZSU, Tamer – Computer Science

Awarded Tenure and Promoted to Associate Professor:
   AL-MAYAH, Adil – Civil & Environmental Engineering
   BARNETT-COWAN, Michael – Kinesiology
   BERBARY, Lisbeth – Recreation & Leisure Studies
   BLACKWELL, Adrian – Architecture
   CHAUSSÉ, Pierre – Economics
   CHEN, Tao – Economics
   DENISON, Stephanie – Psychology
   ERENAY, Fatih Safa – Management Sciences
   FISCHER, Steven – Kinesiology
   GALLUPE, Owen – Sociology and Legal Studies
   GANESH, Vijay – Electrical & Computer Engineering
   GAUTHIER, Nicolas – French Studies
   GIRELLI, Florian – Applied Mathematics
   GOLAB, Wojciech – Electrical & Computer Engineering
   GOLDTHORPE, Irene – Electrical & Computer Engineering
   GRINDROD, Kelly – School of Pharmacy
   FISCHER, Steven – Kinesiology
   KENDALL, Brian – Earth and Environmental Sciences
   KIRKPATRICK, Sharon – School of Public Health & Health Systems
   LEE, Joonwu – School of Public Health and Health Systems
   LEVINE, Peter – Electrical & Computer Engineering
   LIU, Jun – Applied Mathematics
   LYSY, Martin – Statistics & Actuarial Science
   MAJOWICZ, Shannon – School of Public Health & Health Systems
   MCAULEY, Tara – Psychology
   MEYER, Samantha – School of Public Health & Health Systems
   MIAO, Guo-Xing – Electrical & Computer Engineering
   MISENER, Katie – Recreation & Leisure Studies
   NIECHWIEJ-SZWEDO, Ewa – Kinesiology
   NAYAK, Prateep – School of Environment, Enterprise & Development
   RISKO, Evan – Psychology
   SHEN, Winny – Psychology
   SINGH, Rashmee – Sociology and Legal Studies

Awarded Tenure:
   BAAJ, Hassan – Civil & Environmental Engineering
   HILEETO, Denise – Optometry & Vision Science
Awarded Tenure and Promotion to Professor:
   YU, Alfred – Electrical & Computer Engineering

Promoted to Professor:
   BARANOSKI, Gladimir – Computer Science
   BIZHEVA, Kostadinka – Physics and Astronomy
   BURKOV, Anton – Physics and Astronomy
   DEVAUD, Cecile – Mechanical & Mechatronics Engineering
   ELLARD, Colin – Psychology
   FAULKNER, Andrew – Classical Studies
   GIANGREGORIO, Lora – Kinesiology
   HAWTHORN, David – Physics and Astronomy
   HENDERSON, Heather – Psychology
   JAO, David – Combinatorics and Optimization
   LANK, Edward – Computer Science
   LI, Johnny – Statistics and Actuarial Science
   MAIR, Heather – Recreation & Leisure Studies
   MELKO, Roger – Physics and Astronomy
   MITRAN, Patrick – Electrical & Computer Engineering
   NARASIMHAN, Sriram – Civil & Environmental Engineering
   NIEVA, Patricia – Mechanical & Mechatronics Engineering
   POULIN, Francis – Applied Mathematics
   SKUTERUD, Mikal – Economics
   SORBARA, Luigina – Optometry & Vision Science
   STRICKLAND, Donna – Physics and Astronomy (effective 15 October 2018)
   TAHVILDARI, Ladan – Electrical & Computer Engineering
   THOMPSON, Benjamin – Optometry & Vision Science
   WAN, Justin – Computer Science
   WANG, Xiaosong – Chemistry
   YOUNG, Vershawn Ashanti – Communication Arts
An honorary degree is the highest honour conferred by the University. Through the conferring of honorary degrees, the University of Waterloo seeks to recognize outstanding achievement, whether academic or through service to society. These achievements are celebrated at Convocation where they inspire those in attendance and, in particular, our newly graduating students.

Guidelines for the awarding of honorary degrees, including selection guidelines, procedures, considerations to make in assessing a candidate’s qualifications, and details on what to submit in a nomination package, can be found on the website for the Senate Nominating Committee for Honorary Degrees (https://uwaterloo.ca/secretariat/committees-and-councils/honorary-degrees-committee/guidelines-awarding-honorary-degrees). You are also welcome to contact the committee secretary, Rebecca Wickens (rebecca.wickens@uwaterloo.ca) for information and assistance.

We invite you to consider nominating a worthy candidate for this honour. Please note, the University embraces and appreciates diversity and wants to ensure a diverse pool of candidates. With the community’s input we can continue to maintain a substantial pool of deserving individuals whose achievements the University would be delighted to celebrate and honour.

Thank you in advance for your contribution to this important tradition.
Recognition and Commendation

At the Canadian Mathematical Society (CMS) Winter Meeting Banquet, the CMS announced the Inaugural Class of Fellows. Professor Kenneth Davidson, Department of Pure Mathematics was one of 49 members named. (adapted from the Daily Bulletin 3 January 2019)

Waterloo was just awarded four international 2018 CASE District II Awards, which recognize innovative, strategic and creative programs in print, multimedia, marketing, communications, events and program development. CASE District II is an organization of advancement professionals in alumni relations, communications and philanthropy.

Waterloo’s four awards include:

- GOLD for best Annual or Institutional Reports: Print for the Institute for Quantum Computing’s 15 years of discovery and innovation;
- GOLD for best Website: Publications/News for the Student Success Office’s international student guide;
- SILVER for best Alumni Relations Events and Affinity Programs for Get Ready for: Life After Graduation, created in partnership with Advancement and Housing and Residences; and
- GOLD for best Special Event: Individual Events for the Hong Kong 60th Anniversary Dinner, created in partnership with Advancement and the University of Waterloo Hong Kong Alumni Association.

(adapted from the Daily Bulletin 10 January 2019)

Each month, the Office of the President recognizes students, faculty, staff and alumni who go above and beyond. The President’s Accolades was launched in November on the Office of the President website to celebrate stories of dedication, passion and contribution from our University community.

Congratulations to the University of Waterloo community members currently being recognized:

- The Finance department’s social committee raised an impressive $1500 for the Food Bank, providing more than 4,500 healthy meals to those in need over the holiday season.
- Multimedia Design Manager Matt Regehr stepped up this year’s President’s annual holiday video message with a creatively nostalgic stop-motion animated video.
- PhD student Max Salman spearheaded an initiative to inspire and encourage students, faculty and staff to express themselves through music with open access to pianos.
- Post-doctoral fellow Veronika Irvine was recognized for combining science and art in a meaningful way by teaching artisans new lace making patterns she creates through mathematical models.
• **Denise Mueller**, Undergraduate Advisor for Chemical Engineering, went the extra mile to provide encouragement--through tea, fruit and cookie stations in student study spaces--throughout the exam season.

• Accounting and Finance student and pollution warrior **Dillon Mendes** co-founded social venture PickWaste to host weekly litter cleanups.

(adapted from the Daily Bulletin 10 January 2019)

On January 10, Graduate Studies and Postdoctoral Affairs hosted its first annual GRADflix Showcase, a red-carpet event featuring the fifteen best 1-minute videos made by graduate students to describe their research.

The winners were:

• 1st place - $750 prize: Fraser King, from Geography and Environmental Management, for his video CloudSat and Arctic snow

• 2nd place - $500 prize: Jason Lajoie, from English Language and Literature, for his video Making gay identities: Queer media practices queering media technologies

• 3rd place and People’s Choice winner - $500 prize combined: Siyavash Izadi, from Kinesiology, for his video Virtuality of motion sickness

• 4th place - $250 prize: Amanda Lim, from Environment, Resources and Sustainability, for her video Worms and waste

(adapted from the Daily Bulletin 14 January 2019)
University of Waterloo
REPORT OF THE DEAN OF APPLIED HEALTH SCIENCES TO SENATE
February 25, 2019

FOR INFORMATION

A. APPOINTMENTS

**New Definite Term Appointment – full time**

**DOLSON, Mark**, Lecturer, School of Public Health and Health Systems, May 1, 2019 – April 29, 2021. [BA (Honours), 2001, University of Western, MA, McGill University, 2003, PhD, Western University, 2012.] Dr. Dolson has taught with the School for a number of years as a sessional instructor. This part-time (50%) appointment will provide for core teaching support, mentorship of undergraduate and graduate thesis students, and supervision of independent studies.

**IBEY, Robyn**, Lecturer, Department of Kinesiology, January 1, 2019 – December 31, 2021. [BSc (Honours), University of Waterloo, 2007, MSc, University of Toronto, 2009, PhD, University of Waterloo, 2017]. Dr. Ibey’s strong clinical experience related to human movement assessment and her teaching experience in both undergraduate and graduate levels together with her clinical expertise as a registered and practicing physical therapist is an excellent fit to the department.

**WILSON, Wade**, Lecturer, Department of Kinesiology, January 1, 2019 – December 31, 2021. [BA (Sports Psychology), Laurentian University, 2005, Master of Human Kinetics (MHK), University of Windsor, 2007, PhD, Recreation and Leisure Studies, University of Waterloo, 2015]. Dr. Wilson’s teaching and research experience is deemed a very strong fit with the Department of Kinesiology’s vision and future growth in the area of social psychology.

**YESSIS, Jennifer**, Associate Professor, School of Public Health and Health Systems, January 1, 2019 – April 30, 2020. [BSc, University of Waterloo, 1992, MSc, University of Waterloo, 1995, PhD, University of Waterloo, 2001]. Dr. Yessis will provide teaching support for the required and core courses offered within the undergraduate program in the School and also provide support to the Director to lead the development of the accreditation self-study.

**Adjunct Appointments**

*Graduate Supervision*

**PIRES, Sara**, Assistant Professor, School of Public Health and Health Systems, January 1, 2019 – December 31, 2021.

**PREMJI, Stephanie**, Associate Professor, School of Public Health and Health Systems, March 1, 2019 – April 30, 2020.

*Graduate Supervision and Research*

**REBELLATO, Steven**, Assistant Professor, School of Public Health and Health Systems, January 1, 2019 – December 31, 2021.

**Adjunct Reappointments**

*Graduate Supervision*

**MASLOVE, David**, Assistant Professor, School of Public Health and Health Systems, January 1, 2019 – December 31, 2019.
RAY, Sumantra, Professor, School of Public Health and Health Systems, January 1, 2019 – June 1, 2019.

ST. JOHN, Phillip, Professor, School of Public Health and Health Systems, January 1, 2019 – December 31, 2021.

TAUSKELA, Joseph, Assistant Professor, School of Public Health and Health Systems, January 1, 2019 – December 31, 2021.

Research
VINE, Michelle, Assistant Professor, School of Public Health and Health Systems, January 1, 2019 – March 31, 2020.

Special Appointments
Undergraduate Instruction
COUSINEAU, Luc, Lecturer, Department of Recreation and Leisure Studies, May 1, 2019 – August 31, 2019.

DREWERY, Dave, Lecturer, Department of Recreation and Leisure Studies, January 1, 2019 – April 30, 2019.

WIGFIELD, Daniel, Lecturer, Department of Recreation and Leisure Studies, May 1, 2019 – August 31, 2019.

Postdoctoral Appointment

Cross Re-appointment
NEPAL, Sanjay, Professor, Department of Geography and Environmental Management, Faculty of Environment to Department of Recreation and Leisure Studies, Faculty of Applied Health Sciences, July 1, 2018 – June 30, 2021.

B. SABBATICAL
For Approval by the Board of Governors
FERRO, Mark, Assistant Professor, School of Public Health and Health Systems, January 1, 2020 – June 30, 2020, special early leave, 100% salary.

Paul Stolee, Interim Dean
Faculty of Applied Health Sciences
UNIVERSITY OF WATERLOO
REPORT OF THE DEAN OF THE FACULTY OF ARTS TO SENATE
February 25, 2019

FOR INFORMATION

A. APPOINTMENTS

Definite Term Appointments
MARIC, Zoran (BA 1999 MA 2011 University of Western Ontario, PhD 2017 York University), Assistant Professor, January 1 to December 31, 2019. Dr. Maric is an expert in film and media studies with a focus on post-yugoslav cinema and Croatian studies. Prior to joining UW, Dr. Maric was a lecturer in film and culture at York University and the University of Western Ontario. At UW, Dr. Maric will be teaching language and culture courses, redeveloping online courses, and engaging in the rejuvenation of Croatian Studies supported by the Croatian Language and Culture Initiative endowment fund.

Visiting Appointment
XU, Qunfang, Visiting Scholar, Department of Economics, March 1, 2019 to August 31, 2019.

Adjunct Appointments – Instruction
COOK, Brad, Lecturer, Department of Communication Arts, January 1, 2019 to April 30, 2019.

PUURUNEN, Elias, Lecturer, Department of Political Science, January 1, 2019 to April 30, 2019.

Adjunct Reappointments – Instruction
BULLOCH, Dean, Lecturer, Department of Psychology, January 1, 2019 to April 30, 2019.

DESCHAMPS, Ryan, Lecturer, Department of History, January 1, 2019 to April 30, 2019.

DRUMMOND, Glen, Lecturer, Stratford Programs, January 1, 2019 to April 30, 2019.

GINGRICH, Dennis, Lecturer, Department of Sociology and Legal Studies, January 1, 2019 to April 30, 2019.

GLADKOVA, Olga, Lecturer, Department of Communication Arts, January 1, 2019 to April 30, 2019.

HARVIE, Jo, Lecturer, Department of Communication Arts, January 1, 2019 to April 30, 2019.

HAYES, Nicole, Lecturer, Department of Anthropology, January 1, 2019 to April 30, 2019.

HILL, Heather, Lecturer, Department of Communication Arts, January 1, 2019 to April 30, 2019.

IV, Kieng, Lecturer, School of Accounting and Finance, January 1, 2019 to April 30, 2019.

LABADIE, Colin, Lecturer, Department of Communication Arts, January 1, 2019 to April 30, 2019.

LAM, Ibis, Lecturer, Department of Spanish and Latin American Studies, January 1, 2019 to April 30, 2019.
LAZAR, Karen, Lecturer, Department of Communication Arts, January 1, 2019 to April 30, 2019.

LEVINSON, Daniel, Lecturer, Department of Communication Arts, January 1, 2019 to April 30, 2019.

LUIS, Jaimes-Dominguez, Lecturer, Department of Spanish and Latin American Studies, January 1, 2019 to April 30, 2019.

MACDONALD, Christy, Lecturer, School of Accounting and Finance, January 1, 2019 to April 30, 2019.

MIAN, Haaris, Lecturer, School of Accounting and Finance, January 1, 2019 to April 30, 2019.

MORRIELLO, Marisa, School of Accounting and Finance, January 1, 2019 to April 30, 2019.

PACEY, Dean, Lecturer, School of Accounting and Finance, January 1, 2019 to April 30, 2019.

SCHWARTZ, Shira, Lecturer, Department of Communication Arts, January 1, 2019 to April 30, 2019.

STETTNER, Shannon, Lecturer, Department of Philosophy, January 1, 2019 to April 30, 2019.

VANOVERBEKE, Chelsea, Lecturer, Department of Communication Arts, January 1, 2019 to April 30, 2019.

WHITE, Matthew, Lecturer, Department of Communication Arts, January 1, 2019 to April 30, 2019.

WIENS, Brianna, Lecturer, Department of Communication Arts, January 1, 2019 to April 30, 2019.

**Graduate Students Appointed as Part-Time Lecturers**

BARNETT, Richard, Department of Germanic and Slavic Studies, January 1, 2019 to April 30, 2019.

LOK, Christopher, Department of Psychology, January 1, 2019 to April 30, 2019.

MATHESON, Tyler, Department of Fine Arts, January 1, 2019 to April 30, 2019.

MOSS, Christina, Department of History, January 1, 2019 to April 30, 2019.

SCHRAM, Brian, Department of Sociology and Legal Studies, January 1, 2019 to April 30, 2019.

WAGNER-RIZVI, Tracey, Department of Political Science, January 1, 2019 to April 30, 2019.

WIJISHIJER, Rebecca, Department of Fine Arts, January 1, 2019 to April 30, 2019.

ZHU, Chunmei, School of Accounting and Finance, January 1, 2019 to April 30, 2019.

**B. ADMINISTRATIVE APPOINTMENTS**

SCHULENBERG, Jennifer, Interim Associate Chair, Undergraduate Studies (Legal Studies), Department of Sociology and Legal Studies, January 1, 2019 to June 30, 2019.
Administrative Reappointment
WARLEY, Linda, Associate Dean, Graduate, January 1, 2019 to June 30, 2020.

Douglas M. Peers
Dean, Faculty of Arts
UNIVERSITY OF WATERLOO
REPORT OF THE DEAN OF ENGINEERING TO SENATE
February 25, 2019

FOR INFORMATION

A. APPOINTMENTS

Probationary Term

ALFANO, Marco, Associate Professor, Department of Mechanical & Mechatronics Engineering, May 1, 2019 – June 30, 2022. PhD University of Calabria, (UNICAL), Italy; MSc, University of Calabria (UNICAL), Italy. Dr. Marco Alfano’s research is in the area of mechanics of materials as well as in the field of adhesion science and technology with both experimental and computational aspects. He is currently a faculty member in Mechanical Engineering at the University of Calabria (UNICAL), Italy. He joins the Solid Mechanics research group in support of the undergraduate Mechatronics program expansion.

Visiting Appointments


GHARAEI GARAKANI, Hossein, Assistant Professor, Department of Electrical & Computer Engineering, February 1, 2019 – April 30, 2019.

HASSAN MUSTAFA, Ibrahim, Associate Professor, Department of Chemical Engineering, December 1, 2018 – August 31, 2019.

KOBAYASHI, Shigeki, Scholar, Department of Mechanical & Mechatronics Engineering, January 1, 2019 – August 15, 2019.


MOHAMMADI, Maryam, Scholar, Department of Mechanical & Mechatronics Engineering, July 1, 2019 – June 30, 2020.

MOHAMMADI, Mohammad Reza, Associate Professor, Department of Mechanical & Mechatronics Engineering, January 15, 2019 – January 24, 2020.


UDDIN, Wahab, Scholar, Department of Mechanical & Mechatronics Engineering, April 1, 2019 – July 31, 2019.

WANG, Sumei, Scholar, Department of Mechanical & Mechatronics Engineering, March 1, 2019 – February 29, 2020.

XU, Nan, Scholar, Department of Mechanical & Mechatronics Engineering, March 15, 2019 – March 14, 2020.


ZHANG, Yan, Researcher, Department of Civil & Environmental Engineering, December 12, 2018 – November 30, 2019.

ZHAO, Lei, Assistant Professor, Department of Chemical Engineering, March 1, 2019 – February 28, 2021.

**Visiting Reappointments**

FAROOQ, Muhammad Umar, Researcher, Department of Chemical Engineering, January 1, 2019 – December 31, 2019.


SAIKIA, Ankjia, Researcher, Department of Chemical Engineering, January 1, 2019 – December 31, 2019.

**Special Appointments**

Undergraduate instruction

ALAEOFUR, Ibrahim, Lecturer, Department of Mechanical & Mechatronics Engineering, January 1, 2019 - April 4, 2019.

BYSKAL, Daniel, Lecturer, Department of Civil & Environmental Engineering, May 1, 2019 – August 31, 2019.

BOLEN, Matthew, Lecturer, School of Architecture, January 1, 2019 – April 30, 2019.

COOPER-STACHOWSKY, Michael, Lecturer, Department of Mechanical & Mechatronics Engineering, January 1, 2019 - April 30, 2019.

DOLICK, Paul, Lecturer, School of Architecture, January 1, 2019 – April 30, 2019.

HADWIN, Paul, Lecturer, Department, Department of Mechanical & Mechatronics Engineering, January 1, 2019 – April 30, 2019.


LI, Eugene, Lecturer, Department of Mechanical & Mechatronics Engineering, January 1, 2019 – April 30, 2019.

NASSAR, Mohammed, Lecturer, Department of Electrical & Computer Engineering, January 1, 2019 – April 30, 2019.
NGUYEN, Tam, Lecturer, Department of Mechanical & Mechatronics Engineering, January 1, 2019 – April 30, 2019.

OBERHOLZER, Adriaan, Lecturer, Department of Systems Design Engineering, January 1, 2019 – April 30, 2019.

POURMOHAMMADALI, Homeyra, Lecturer, Department of Systems Design Engineering, January 1, 2019 – April 30, 2019.

SCHMIDILIN, Karin, Lecturer, Conrad School of Entrepreneurship & Business, January 1, 2019 – April 30, 2019.

SGHAIER OMAR, Ahmad, Lecturer, Department of Electrical & Computer Engineering, January 1, 2019 – April 30, 2019.

TOWN, Chloe, Lecturer, School of Architecture, January 1, 2019 – April 30, 2019.

**Special Appointments**

Graduate Instruction

FONSEKA, Jaliya, Lecturer, School of Architecture, January 1, 2019 – April 30, 2019.

JACKSON, Tim, Lecturer, Conrad School of Entrepreneurship & Business, January 1, 2019 – April 30, 2019.

**Special Reappointments**

Undergraduate Instruction

BALESHTA, James, Lecturer, Department of Mechanical & Mechatronics Engineering, January 1, 2019 – April 30, 2019.

FOHRING, Michael, Lecturer, School of Architecture, January 1, 2019 – April 30, 2019.

BYSAKI, Daniel, Lecturer, Department of Civil & Environmental Engineering, May 1, 2019 – August 31, 2019.

HOOD, Kevin, Lecturer, Conrad School of Entrepreneurship & Business, January 1, 2019 – April 30, 2019.

LIAO, LIHUA (Melody), Lecturer, Department of Mechanical & Mechatronics Engineering, January 1, 2019 – April 30, 2019.

PARKIN, James Cameron, Lecturer, School of Architecture, January 1, 2019 – April 30, 2019.

TAIT, Morgan, Lecturer, Department of Systems Design Engineering, January 1, 2019 – April 30, 2019.

TYRRELL, Jonathan, Lecturer, School of Architecture, January 1, 2019 – April 30, 2019.

**Special Reappointments**

Graduate Instruction

ATKINS, Andrea, Lecturer, School of Architecture, January 1, 2019 – April 30, 2019.


MARTIN, Tim, Lecturer, Conrad School of Entrepreneurship & Business, January 1, 2019 – April 30, 2019.

MATHER, David, Lecturer, Department of Mechanical & Mechatronics Engineering, January 1, 2019 – April 30, 2019.

WANG, Chaoran, Lecturer, Conrad School of Entrepreneurship & Business, January 1, 2019 – April 30, 2019.

Adjunct Appointments
Graduate Supervision
MCKAY, Donald, (Professor Emeritus), Associate Professor, School of Architecture, January 1, 2019 – December 31, 2019.

Adjunct Appointments
Graduate Supervision and Research
ROBERTS, Edward, Professor, Department of Chemical Engineering, December 1, 2018 – November 30, 2021.

ROE, Peter, Professor (Emeritus), Department of Systems Design Engineering, March 1, 2018 – February 28, 2021.

Adjunct Reappointments
Research
FAHIDY, Tom, Professor (Emeritus), Department of Chemical Engineering, November 1, 2018 – October 31, 2020.

Cross Appointments
FIDAN, Baris, Associate Professor, Department of Mechanical & Mechatronics Engineering, Department of Mechanical and Mechatronics Engineering to Department of Systems Design Engineering, December 31, 2018 – November 30, 2021.

FUKASAWA, Ricardo, Associate Professor, Department of Combinatorics and Optimization, Math Faculty, to Chemical Engineering, November 1, 2018 – October 31, 2020.

B. ADMINISTRATIVE APPOINTMENTS
DUIMERING, Rob, Associate Chair for Graduate Studies, Management Sciences, January 1, 2019 – December 21, 2020.

ADMINISTRATIVE REAPPOINTMENTS
GOLAB, Lukasz, Director Management of Technology Distance Master’s Program, Management Sciences, January 1, 2019 – December 31, 2019.
C. **RESIGNATIONS**  
SOJOUDI, Hossein, Assistant Professor, Department of Mechanical & Mechatronics Engineering, December 12, 2018.

**FOR APPROVAL BY THE BOARD OF GOVERNORS**

D. **SABBATICALS**  
MAYER, Michael, A., Associate Professor, Department of Mechanical & Mechatronics Engineering, September 1, 2019 – August 31, 2020, twelve months at 85% salary.

YARUSEVYCH, Serhiy, Associate Professor, Department of Mechanical & Mechatronics Engineering, September 1, 2019 – February 29, 2020, 6 months at 100% salary.

[Signature]

Pearl Sullivan  
Dean, Faculty of Engineering
FOR INFORMATION

A. APPOINTMENTS

Adjunct Appointment

Graduate Supervision and Research

BERRY, Peter, Assistant Professor, Faculty of Environment, January 1, 2019 to December 31, 2021.

Special Appointments

Instruction

SCHULER, Peter, Lecturer, School of Environment, Resources and Sustainability, January 1, 2019 to April 30, 2019.

SOLLY, Jeffrey, Lecturer, School of Planning, January 1, 2019 to April 30, 2019.

Graduate Students Appointed as Part-Time Lecturer

KANGMENNAANG, Joseph, School of Environment, Enterprise and Development, January 1, 2019 to April 30, 2019.

SABERI, Nastaran, Department of Geography and Environmental Management, January 1, 2019 to April 30, 2019.

B. ADMINISTRATIVE APPOINTMENT - Revision

PARKER, Dawn, Director, Waterloo Institute for Complexity and Innovation [WICI], Faculty of Environment, September 1, 2018 to May 31, 2020.

C. SABBATICAL LEAVES

For Approval by the Board of Governors

de LOË, Rob, Professor, School of Environment, Resources and Sustainability, January 1, 2020 to December 31, 2020, at 89.2% salary.

Jean Andrey
Dean
A. APPOINTMENTS

Definite Term - Reappointments
GROSSMAN, Maura, Research Professor, David R. Cheriton School of Computer Science,
June 1, 2019 – June 30, 2022.

LIMAM, Noura, Research Assistant Professor, David R. Cheriton School of Computer Science,

Visiting Appointments
UR REHMAN, Khalil (Quaid-i-Azam University), Researcher, Dept. of Applied Mathematics,
March 1, 2019 – August 31, 2019.

Adjunct Appointments
Research
HAN, Peisong (University of Michigan), Professor, January 1, 2019 – December 31, 2021.

KATSURAGAWA, Keiko (NRC), Assistant Professor, David R. Cheriton School of Computer

STRUTHERS, Cynthia, Professor Emeritus, Dept. of Statistics and Actuarial Science, January 1,

Adjunct Reappointments
Instructor
ARNASON, Mark, Lecturer, Office of the Dean, January 1, 2019 – April 30, 2019.

HOLTBY, Dan, Lecturer, David R. Cheriton School of Computer Science, January 1, 2019 –
April 30, 2019.


ROBINSON, Jack, Lecturer, Dept. of Statistics and Actuarial Science, January 1, 2019 – April
30, 2019.


Research
BERNARD, Carole (Grenoble School of Management), Associate Professor, Dept. of Statistics

CHEN, Jiahua (University of British Columbia), Professor, Dept. of Statistics and Actuarial
COWAN, Don, Professor Emeritus, David R. Cheriton School of Computer Science, January 1, 2019 – June 30, 2022.

DICKSON, David (University of Melbourne), Professor, Dept. of Statistics and Actuarial Science, January 1, 2019 – December 31, 2021.


LIN, Sheldon (University of Toronto), Professor, Dept. of Statistics and Actuarial Science, January 1, 2019 – December 31, 2021.

PORTH, Lysa (University of Manitoba), Associate Professor, Dept. of Statistics and Actuarial Science, April 1, 2019 – March 31, 2022.

Graduate Students reappointed as Part-time Lecturers

Postdoctoral Fellows appointed as Part-time Lecturers
LANG, Richard, Dept. of Combinatorics and Optimization, October 1, 2019 – August 31, 2020.

B. ADMINISTRATIVE REAPPOINTMENTS
KOHANDEL, Mohammad, Associate Chair, Undergraduate Studies, January 1, 2019 – December 31, 2019.

Stephen M. Watt
Dean
For information:

A. **APPOINTMENTS**

**Tenured**

**GALITSKI, Victor**, Professor, Department of Physics and Astronomy, July 1, 2019. [M.S., degree in Engineering, Moscow Engineering Physics Institute (1998); Ph.D. in Applied Math, Moscow Engineering Physics Institute (1999); Ph.D. in Theoretical Condensed Matter Physics, University of Minnesota (2002).] Professor Victor Galitski is a renowned expert on quantum materials, including cold atoms, superconductors, quantum phase transitions and statistical mechanics of low dimensional systems. Professor Galitski will lead the nascent Quantum Matters theory group, including Perimeter Institute and the Department of Physics and Astronomy, that will be the largest quantum theory group in the world.

**New Definite Term – Full-time**

**BARRETT, Brett**, Clinical Lecturer, School of Pharmacy, January 1, 2019 to December 31, 2023. [B.Sc., Queen’s University (1999); B.Sc. in Pharmacy, University of Toronto (2003).] Brett Barrett received an undergraduate science degree from Queen’s University before completing pharmacy training at the University of Toronto. She has practiced in hospital pharmacy for the past 15 years primarily in the area of infectious diseases and antimicrobial stewardship. In her role as Clinical Lecturer, she will be largely responsible for coordinating undergraduate curricular content related to hospital pharmacy and infectious diseases.

**Definite-Term Reappointment – Full-time**

**BRIGHT, Jenna**, Clinical Lecturer, School of Optometry and Vision Science, July 1, 2019 to June 30, 2021.

**Adjunct Appointments**

**Graduate Supervision**

**BEDARD, Jean Henri Joseph**, Professor, Department of Earth and Environmental Sciences, December 1, 2018 to November 30, 2021.

**BUSSIÈRE, Bruno**, Professor, Department of Earth and Environmental Sciences, December 1, 2018 to November 30, 2021.

**Undergraduate Instruction and Research**

**LI, Yantian (Terry)**, Assistant Professor, School of Pharmacy, January 1, 2019 to April 30, 2020.

**Graduate Instruction; Graduate Supervision and Research**

**HO, Joanne**, Assistant Professor, School of Pharmacy, December 1, 2018 to November 30, 2021.
Adjunct Reappointments

Graduate Supervision

LIU, Wing-Ki, (Professor Emeritus), Professor, Department of Physics and Astronomy, September 1, 2018 to August 31, 2023.

Undergraduate Instruction

COULSTON, Barbara, Assistant Professor, School of Pharmacy, January 1, 2019 to December 31, 2020.

Special Appointments

Postdoctoral Fellow Appointed as Part-time Lecturer

FRENETTE, Aaron, Lecturer, Department of Biology, January 1, 2019 to February 15, 2019.

WILSON, David, Lecturer, Department of Earth and Environmental Sciences, January 1, 2019 to April 30, 2019.

Special Reappointments

Undergraduate Instruction

PACEY, Dean, Lecturer, School of Pharmacy, January 1, 2019 to April 30, 2019.

ROSAMOND, Madeline, Lecturer, Department of Earth and Environmental Sciences, January 1, 2019 to April 30, 2019.

Research Associate Reappointed as Part-time Lecturer

VARIKOOTY, Jalaiah, Lecturer, School of Optometry and Vision Science, January 1, 2019 to April 30, 2019.

FOR APPROVAL BY THE BOARD OF GOVERNORS

B. SABBATICAL

CONIGLIO, Mario, Professor, Department of Earth and Environmental Sciences, July 1, 2019 to June 30, 2021, 100% salary arrangement.

MELKO, Roger, Professor, Department of Physics and Astronomy, May 1, 2019 to April 30, 2020, 100% salary arrangement.

R.P. Lemieux
Dean
FOR APPROVAL

Committees and Appointments

Motion: To approve the following appointments:

- **Distinguished Teacher Awards Committee**: Shannon Dea (philosophy) as faculty representative, term ending 31 December 2021 and Naima Samuel as graduate student representative, term ending 31 December 2021.

- **Amit & Meena Chakma Awards for Exceptional Teaching by a Student Selection Committee**: Naima Samuel as graduate student representative, term ending 31 December 2021 and Stella Arthur as graduate student representative, term ending 31 December 2021.
THE FUTURE CLASSROOM
WHAT’S ON THE HORIZON?

February 25, 2019

Senate Presentation

Dr. Donna Ellis, Director, Centre for Teaching Excellence
WATERLOO’S FUTURE: TRANSFORMED LEARNING

- Shift to a learning paradigm, which includes:
  - Putting a focus on student-centred approaches
  - Integrating new educational technologies
- Create a safe space to take risks and advance learning
- Offer experiential education opportunities
The shift to a learning paradigm is underpinned by cognitive learning theory and social constructivism (Svinicki, 2004)

- Focus is on the students’ process and work of learning to construct their own knowledge through interactions with the environment
RECONFIGURABLE FLEXIBLE LEARNING CLASSROOMS
FLEXIBLE LEARNING CLASSROOMS

McGill University – 104 students

University of North Carolina – 100 students
FLEXIBLE LEARNING CLASSROOMS
ACTIVE LEARNING CLASSROOMS
ACTIVE LEARNING LABS
TECHNOLOGY INTEGRATION IN CLASSROOMS
FAD OR SUBSTANTIVE CHANGE?

- Active learning approaches **increase learning** (Crouch & Mazur, 2001; Freeman et al, 2014; Prince, 2004)

- Students in ALCs vs traditional classroom spaces:
  - **Perform better** (Beichner et al, 2007; Brooks 2011)
  - Feel **more motivated and engaged** (Cotner et al, 2013; Park & Choi, 2014; Walker, Brooks, & Baepler, 2013)
  - Engage in **more interactivity and collaboration** (Rands & Gansemer-Topf, 2017; Scott-Webber et al, 2013; Whiteside et al, 2009)

- Makerspaces increase student **engagement**, foster **creativity** and **problem solving**, and encourage **collaboration** (Trust, Maloy, & Edwards, 2018)

- Instructors report ALCs enable them use teaching methods not supported in regular classrooms (Van Horne et al, 2014)
QUESTIONS?
Donna Ellis, ext. 35713
donnae@uwaterloo.ca
SELECTED REFERENCES


FOR INFORMATION

This report is provided under Policy 76 – Faculty Appointments. From September 2017 to August 2018 (numbers in brackets are from 2016-17), UARC reviewed a total of 102 (90) proposals for regular faculty appointments.

Of the files reviewed 27(34) females, 73 (56) males, 2 of unknown gender (0), 7 (16) were tenured, 59 (50) were for probationary, and 36 (24) were for definite-term appointments.

More detail is provided in the table contained within this report. The percentage of females at the rank of assistant research professor, lecturer, assistant professor, associate professor and professor were: 33.3% (0%), 41.4% (54.2%), 20.3% (34.8%), 28.6% (16.7%) and 0% (37.5%) respectively. For comparison purposes, the total number of proposals reviewed in recent years was 58 (2009-10), 79 (2010-11), 87 (2011-12), 68 (2012-13), 70 (2013-14), 84 (2014-15), 67 (2015-16) and 90 (2016-17).

Length of the Review Process

Appointment proposals from academic units and faculties generally were very good, and department chairs/schools directors have been very helpful in providing any additional information requested. Advance notice of proposals continues to be important to ensure speedy turnaround. Policy 76 specifies five working days for the review process. During the past year, UARC members were able to complete most reviews within five working days unless there was some missing information and discussions with the chair/director or dean were required.

Administration

Administrative information concerning UARC can be found at: https://uwaterloo.ca/secretariat/committees-and-councils/university-appointments-review-committee. Documents include: Summary of Recruiting Efforts for UW Faculty positions form, which chairs/directors are required to complete; Overview of Chair’s Memo to the Dean; Conflict of Interest in Hiring Committees; UARC Presentation 2018; link to VPAP Forms and Templates.

UARC Members, September 2017 to August 2018

AHS: Clark Dickerson, Heather Mair (since July 2018), Rhona Hanning (until May 2018); ARTS: Anna Esselment (since May 2018), Andrew Faulkner (until May 2018), Doreen Fraser; ENG: Catherine Rosenberg, Gerry Schneider, Flora Ng (Chair); ENV: Johnathan Li (until May 2018), Johanna Wandel, Prateep Nayak (since June 2018); MATH: Peter van Beek, Christopher Godsil (MATH); SCI: Tadeusz Gorecki, Brian Dixon.
Summary of Proposals for Regular Faculty Appointments for Two Years or More

Reviewed by UARC

September 2017 – August 2018

<table>
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<th>Faculty</th>
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</table>

Of the 78 who accepted offers: 23 (29%) were female, 53 (68%) were male, 2 were of unknown gender (3%). Of the 22 who declined offers: 3 were female (14%), 19 were male (86%), 0 were of unknown gender (0%). There is 1 female and 1 male offer still pending.

Flora T.T. Ng
Chair, UARC
Honours and achievements of faculty

- Clarivate Analytics’ 2018 Highly Cited Researchers list is published annually and comprised of scientists and social scientists in 21 fields that rank in the top one per cent by citations for field of study and publication year. The list focuses on papers indexed in the Web of Science Core Collection from 2006 – 2016. Out of 166 researchers listed in Canada, five researchers are from Waterloo: Zhongwei Chen* (Cross-field) Geoffrey Fong (Social Sciences) David Hammond (Social Sciences) Sharon Kirkpatrick (Agricultural Science) Linda Nazar (Chemistry & Materials Science). *Identifies researchers with substantial influence in several fields from 2006-2016

- The Canadian Women in Global Health (CWIGH) list is inspired by a broader global movement to recognize the achievements and expertise of women in global health. In 2016 Roopa Dhatt founded the women in global health movement to spur gender equity in global health leadership, and many regional chapters and lists have since emerged. Their main goal is to help diversify the production and translation of knowledge and improve the quality, equity, and impact of Canadian science and policy on global health worldwide. Susan Elliott, Faculty of Environment and Water Institute member was named to the 2018 CWIGH Canadian Women in Global Health List.

- Cheriton School of Computer Science Professor Srinivasan Keshav has been named by the Institute of Electrical and Electronics Engineers as an IEEE Fellow for his contributions to fair queueing techniques and flow-control algorithms in computer networks.

- Canada Research Chair Mark Servos has been appointed a 2018 Fellow of the Society of Environmental Toxicology and Chemistry (SETAC), in recognition of his research contributions as well as his SETAC leadership and service. In addition to being named a fellow, Servos will become an advisor to the SETAC World Council. SETAC Fellows are recognized for their research contributions to the fields of ecotoxicology, environmental chemistry, risk assessment and life cycle assessment as well as their leadership within professional and the organization itself. The prestigious recognition of a fellow is only awarded to 1-2% of SETAC members.

NSERC Strategic Partnership Grant for Projects

Waterloo received six (6) grants totaling $3.89M from the NSERC Strategic Partnership Grant for Projects - 2018 competition. 36 letters of intent were submitted including nine (9) from engineering, four (4) from science and three (3) from math. Sixteen LOIs were invited to submit a full proposal (44% success rate) with a final six awarded including three from engineering and three from science.
**Research Ethics System**

On August 13, 2018, a new Research Ethics System, supported by the Research Support Fund and powered by KUALI, was launched. The system is a web-based platform that supports the development, review, and clearance of research ethics applications. The system is designed to:

- Decrease the administrative burden for applications by using electronic signatures and forms
- Accelerate the application process by providing an application that automatically presents relevant questions
- Foster collaboration among users in the system by allowing joint application development
- Reduce manual processes of office staff through automated workflows and notifications
- Act as the single solution for all human and animal ethics applications.

UW is an active member of a community of users that works with KUALI to set priorities for changes and features requests. The system is dynamic and is continuously evolving to incorporate new features and workflows in direct response to community needs.

Response to the new system has been positive. Members from all Faculties that recently attended a meeting of the Research Ethics and Integrity Advisory Committee reported that feedback on the new ethics system has been good, with questions more focused about what to write in sections then how to use the system. Forms within the system are fully configurable, allowing questions to be re-worded, and instructional statements and links to be added as required. Staff members have been hosting drop in sessions, providing training, and working with researchers to answer questions as needed.

Research ethics committees responsible for reviewing greater than minimal risk studies find applications well organized and simple to review and comment on, with Committee Chairs noting that it is much easier to integrate member comments. Researchers developing new applications have reported the system intuitive and easy to use. Staff members benefit from an organized system where it is easy to track, share and monitor the progress of files.