

MEMORIAL UNIVERSITY OF NEWFOUNDLAND  
SENATE

The regular meeting of Senate was held on November 10, 2015 at 4:00 p.m. in the Lecture Theatre in the Physical Education Building, Room 2001.

22. PRESENT

The President, Dr. N. Golfman, Dr. R. Marceau, Dr. R. Shea (for Mr. G. Blackwood), Dr. M. Abrahams, Ms. L. Busby, Dr. H. Carnahan, Ms. S. Cleyle, Dr. D. Foster, Mr. B. Gardiner, Dr. A. Gaudine, Dr. C. Marra, Dr. F. Murrin, Dr. G. Naterer, Dr. L. Phillips, Ms. S. Singleton, Dr. M. Volk, Dr. S. Abhyankar, Ms. L. Alcock, Dr. J. Connor, Dr. I. Emke, Professor A. Fisher, Dr. T. Fridgen, Dr. G. George, Dr. M. Haghiri, Dr. D. Kelly, Dr. J. Lokash, Dr. A. Loucks-Atkinson, Dr. J. McLean, Dr. W. Okshevsky, Dr. A.C. Onodenalore, Dr. K. Parsons, Mr. K. Rideout, Dr. A. Rose, Dr. R. Russell, Dr. W. Schipper, Dr. K. Simonsen, Dr. C. Thorpe, Dr. C. Vardy, Professor D. Walsh, Dr. P. Wang, Dr. M. Wernerheim, Ms. T. Nielsen, Mr. M. Allen, Ms. L. Brake, Ms. A. Kavanagh, Ms. S. Mauger, Mr. M. O'Keefe, Ms. L. Robertson.

**Welcome New Chair of the Senate Committee on Undergraduate Studies  
(Standing Invitation)**

Dr. Shannon Sullivan

**Welcome New MUNSU Senator**

Stephanie Mauger

**Attending by Invitation for discussion of Item 5. Centre for Risk,  
Integrity and Safety Engineering (CRISE)**

Dr. Salim Ahmed

23. APOLOGIES FOR ABSENCE

Apologies were received from Dr. K. Anderson, Dr. D. Hardy Cox, Dr. C. Reynolds, Dr. I. Fleming, Dr. D. Ford, Dr. D. McKay, Dr. S. Mulay, Dr. M. Mulligan, Dr. C. Purchase, Mr. R. Leamon.

24. MINUTES

It was moved by Dr. George, seconded by Dr. Abhyankar, and carried that the Minutes of the regular meeting held on October 13, 2015 be taken as read and confirmed.

## CONSENT AGENDA

It was moved by Dr. Haghiri, seconded by Dr. Murrin, and carried that the consent agenda, comprising the items listed in 25 to 27 below, be approved as follows:

25. REPORT OF THE SENATE COMMITTEE ON UNDERGRADUATE STUDIES

25.1 Faculty of Business Administration

Page 212, 2015-2016 Calendar, under the heading 10.2 Core and Elective Course Descriptions, delete the description for the BUSI 1600 and replace with the following:

**“1600 Introduction to Entrepreneurship** provides students with a basic understanding of entrepreneurship and its vital role in innovation and economic development. The course will explore and critique the entrepreneurship phenomenon while fostering the development of an entrepreneurial mindset and the skills and knowledge necessary for participating in the entrepreneurial process. The course will examine opportunity identification and evaluation, creative problem solving, the ability to recognize entrepreneurial potential, risk-taking, exercising initiative and personal responsibility to achieve goals, the process of launching new ventures, local and international entrepreneurial ventures, and various paths to firm ownership. The course approaches entrepreneurship as a way of thinking and acting that can be useful in any organizational setting.

PR: BUSI 1000, and English 1110 or 1021”

25.2 Faculty of Engineering and Applied Science

Page 277, 2015-2016 Calendar, under the heading 11.8 Academic Term 8 Courses, delete the description for the ENGI 8937 and replace with the following:

**“8937 Machine Dynamics** reviews mechanism kinematics and inverse dynamics (prediction of unknown forces and torques required to create a known motion) and continues with forward dynamic analysis of mechanisms (predicting unknown motion due to applied forces and torques) using student-generated computer code and commercial software. Practical applications of dynamics are explored, such as engine shaking forces, balancing of machinery, shaft vibration, design of flywheels, and gyroscopic effects.

CR: the former ENGI 7945

OR: an analysis project

PR: ENGI 4932, 6933”

25.3 Grenfell Campus

Page 344, 2015-2016 Calendar, under the heading 12.10.1 English Core Courses, delete ENGL 1000 and 1001 and replace with the following:

**“1000 Critical Reading and Writing in Prose Forms** is an introduction to the essay, short fiction and the novel. Emphasis is placed on critical reading and thinking strategies; composition of essays, including use of quotations and documentation, revision and editing; and literary analysis. All sections of this course follow the CRW guidelines available at [www.mun.ca/arts/CRW](http://www.mun.ca/arts/CRW).

CR: cannot receive credit for more than one of English 1000, 1050, 1080, the former 1100 or for more than one of 1001, 1051, 1101, 1102, 1103, and 1110; cannot receive credit for more than one of English 1020, 1030 or 1110; cannot receive credit for more than 6 credit hours at the first year level including unspecified transfer credits”

**“1001 Critical Reading and Writing in Poetry and Drama** builds upon the essay writing and critical analytical strategies begun in English 1000. Emphasis is placed on developing composition skills in essay writing, conducting research, and examining the genres of poetry and drama. All sections of this course follow the CRW guidelines available at [www.mun.ca/arts/CRW](http://www.mun.ca/arts/CRW).

CR: cannot receive credit for more than one of English 1000, 1050, 1080, the former 1100 or for more than one of 1001, 1051, 1101, 1102, 1103, and 1110; cannot receive credit for more than one of English 1020, 1030 or 1110; cannot receive credit for more than 6 credit hours at the first year level including unspecified transfer credits  
PR: English 1000 or equivalent”

25.4 School of Social Work

Page 542, 2015-2016 Calendar, under the heading 4.1.1 Social Work Internships, add a new bullet, to be the fourth bullet, to read as follows:

“Field internships may be offered in whole or in part outside the normal start and end dates of a semester”

Page 542, 2015-2016 Calendar, following section 4.1.1 Social Work Internships, add new sections, 4.1.2 Field Internship Preparation Seminars and 4.1.3 BSW Pledge of Professionalism Ceremony, to read as follows:

**“4.1.2 Field Internship Preparation Seminars**

In the semesters prior to their first internship, students are required to participate in six field preparation seminars. These seminars review the field internship requirements, aid students in writing resumes and preparing for interviews, and discuss ethics, professionalism, and respectful workplaces.

School of Social Work (cont'd)

Students who do not complete all six seminars may be delayed in starting their internship.

**4.1.3 BSW Pledge of Professionalism Ceremony**

In the winter semester prior to their first internship, students are required to participate in the BSW Pledge of Professionalism Ceremony. Students who do not meet this requirement may be delayed in starting their internship.”

Page 545, 2015-2016 Calendar, under the heading 7.2.2 Probation Promotion, amend the fourth bullet to read as follows:

“who, with the prior approval of the Field Education Coordinator, has voluntarily withdrawn from an field internship before its completion. In addition to the designation Probationary Promotion, the student will receive a grade of “INC” (incomplete) or “DR” (drop) for that internship. Depending on the circumstances, the student will be required to successfully complete that internship or a new internship before continuing in the program.”

26. REPORT OF THE ACADEMIC COUNCIL OF THE SCHOOL OF GRADUATE STUDIES

26.1 Interdisciplinary PhD Program - New Course INTE 902A/B

Page 688, 2015-2016 Calendar, under the heading 32.20.4 Program of Study, amend clause 1 to read as follows:

“1. Courses

- a. Students are required to complete INTE 902 A/B: normally, this course will be completed in the first year.
- b. In addition to INTE 902 A/B, students will normally....”

26.2 Employment Relations Program

Page 614, 2015-2016 Calendar, under the heading 12.2 Qualifications for Admission, following clause 2, insert a new clause 3 to read as follows, renumbering remaining clauses accordingly:

- “3. Qualified applicants with relevant experience will normally receive preference during the evaluation of applications.”

26.3 Department of French

Page 601, 2015-2016 Calendar, under the heading 9.4 Courses, insert a new course, French 6820, in both the English and French language sections, to read as respectively follows:

Department of French (cont'd)

“Courses

French 6820 Littérature de jeunesse: Théorie et pratique / Children’s and Young Adult Literature: Theory and Practice

Cours

French 6820 Littérature de jeunesse: Théorie et pratique”

26.4 Faculty of Engineering - MEM Program

Page 620, 2015-2016 Calendar, delete section 14 Regulations Governing the Degree of Master of Engineering Management entirely, renumbering remaining sections accordingly.

26.5 Faculty of Engineering - Process Engineering

Page 616 and 679, 2015-2016 Calendar, under the headings 13 Regulations Governing the Degree of Master of Engineering and 32.10 Engineering and Applied Science, add Process Engineering to each section, so that each will read as follows:

Section 13:

“The degree of Master of Engineering (M.Eng.) is a research-focused degree and may be obtained either through full-time or part-time studies. The M.Eng. degree can be obtained through programs in Civil Engineering, Computer Engineering, Electrical Engineering, Mechanical Engineering, Ocean and Naval Architectural Engineering, Oil and Gas Engineering, and Process Engineering.”

Section 32.10:

“The degree of Doctor of Philosophy (Ph.D.) is offered in the Faculty of Engineering and Applied Science and may be obtained either through full-time or part-time studies. The Ph.D. degree can be obtained through programs in Civil Engineering, Computer Engineering, Electrical Engineering, Mechanical Engineering, Ocean and Naval Architectural Engineering, Oil and Gas Engineering, and Process Engineering.”

26.6 Faculty of Business Administration

Page 603, 2015-2016 Calendar, under the heading 10.2 Deadlines for Applications, amend the third sentence to read as follows:

“International applicants must submit complete documentation by February 1.”

27. REPORTS OF SENATE COMMITTEES

Written reports were received for the information of Senators from the following Senate Committees:

- Academic Unit Planning Committee
- Senate Committee on Undergraduate Studies
- University Committee on Admissions
- Senate Committee on Academic Appeals
- Senate Committee on Undergraduate Scholarships, Bursaries and Awards
- Senate Advisory Committee on the Bookstore
- Committee on Honorary Degrees and Ceremonial
- Executive Committee of Senate
- Senate Committee on Elections and Committees
- Senate Committee on Course Evaluation
- Senate Advisory Committee on the Library

The following Grenfell Campus Student Union nominations to Senate Standing Committees, effective immediately and lasting until April 30, 2016, were approved:

<b>Academic Unit Planning Committee</b>	Lauren Brake
<b>Advisory Committee on the Bookstore</b>	Matthew Evans
<b>Advisory Committee on the Library</b>	Nicole Ivany
<b>Committee on Undergraduate Studies</b>	Lauren Brake
<b>Committee on Academic Appeals</b>	Alexandra Wicks
<b>Committee on Honorary Degrees and Ceremonial</b>	Alexandra Wicks
<b>Committee on the University Calendar</b>	Emily Alexander
<b>Advisory Committee on the University Timetable</b>	Emily Alexander
<b>Committee on Course Evaluation</b>	Mary Feltham
<b>Committee on Educational Technology</b>	Matthew Evans
<b>Committee on Research</b>	Nicole Ivany
<b>Committee on Undergraduate Scholarships, Bursaries and Awards</b>	Mary Feltham
<b>Executive Committee of Senate</b>	Daniel Rumbolt
<b>University Planning and Budget Committee</b>	Sophia Delscazi
<b>University Committee on Admissions</b>	Daniel Rumbolt
<b>Committee on Elections and Committees</b>	Sophia Delscazi
<b>Committee on Copyright</b>	Michaela Pye

The Senate Committee on Elections and Committees held a Senate By-election in the Constituency of Music. After the November 6, 2015 deadline for nominations had passed, the Committee approved by acclamation the election to Senate of a nominee from that constituency for a term of office commencing immediately and expiring August 31, 2018:

MUSIC

Dr. Caroline Schiller

## **REGULAR AGENDA**

### 28. Centre for Risk, Integrity and Safety Engineering (CRISE)

A memorandum dated September 21, 2015, was received from Paul Chancey, Secretary, Planning and Budget Committee, regarding the proposed Centre for Risk, Integrity and Safety Engineering (CRISE).

The President invited Dr. Greg Naterer, Dean, Faculty of Engineering and Applied Science, to present this item.

The Planning and Budget Committee considered a proposal from the Faculty of Engineering and Applied Science for the creation of a Centre for Risk, Integrity and Safety Engineering.

The committee felt it was a good proposal and, in keeping with the Policy to Establish Institutes and Centres, is pleased to recommend that Senate approve the establishment of the centre as one that requires indirect university support. The proposal has been deemed to meet the general requirements of the policy in that it indicates that the resources required for the establishment of the centre are already in place.

It was moved by Dr. Naterer, seconded by Professor Fisher, and carried that this proposal be approved for recommendation to the Board of Regents for final approval.

### 29. Revised Constitution of the School of Pharmacy

A memorandum dated October 6, 2015, was received from Ms. C. Glew, Secretary, School of Pharmacy Academic Council, proposing amendments to its Constitution and Bylaws which were accepted by the Academic Council of the School of Pharmacy on September 28, 2015.

Dr. Carlo Marra, Dean, School of Pharmacy, presented the proposed amendments to its Constitution and Bylaws to Senate.

It was moved by Dr. Marra, seconded by Dr. Carnahan, and carried that the proposed amendments to the Constitution and Bylaws of the School of Pharmacy be approved for submission to the Board of Regents.

### 30. Memorial University's Technology Transfer and Commercialization Strategy

The President invited Dr. Richard Marceau, Vice-President (Research), to give a presentation on Memorial University's Technology Transfer and Commercialization Strategy.

Dr. Marceau thanked Senate for the opportunity to present this report through a slide presentation at today's meeting.

Memorial University's Technology Transfer and Commercialization Strategy  
(cont'd)

**Executive Summary**

The primary outcomes of the University's core business activities are the graduates of its bachelor, master and doctoral degree programs, as well as the knowledge and intellectual property generated through its core research programs. Universities carry out research to educate highly qualified people, to create and disseminate knowledge to advance the understanding of our disciplines, and to better society through the application of the knowledge created. If suitable knowledge transfer mechanisms are established, research outcomes can also contribute to enhanced social and economic benefit. To this end, Memorial University's Technology Transfer and Commercialization Strategy aims to assist its creators of intellectual property in their efforts to bring such property to market.

The development of this Technology Transfer and Commercialization Strategy began in October 2014 and relied upon broad consultations with stakeholders as well as a review of current literature and best practices. During consultations, stakeholders clearly articulated a desire for Memorial to increase its contributions towards advancing social and economic benefits for the Province of Newfoundland and Labrador.

Memorial University's Research Strategy Framework and the Strategic Research Intensity Plan support its faculty members in the pursuit of research excellence in their chosen disciplines, and encourage all forms of scholarly dissemination. This Technology Transfer Strategy values these principles and builds on them to enhance dissemination paths associated with technology to increase the economic impact of some research outcomes, in keeping with Memorial University's Vision, which states:

*"Memorial University will be one of the most distinguished public universities in Canada and beyond, and will fulfill its special obligation to the people of Newfoundland and Labrador."*

To accomplish this, Memorial must seize the opportunity to create one of the most progressive technology transfer and commercialization environments in Canada. Building on its strong culture of encouraging fundamental research, this Technology Transfer and Commercialization Strategy proposes a detailed action plan aiming to:

1. Foster a progressive culture of technology transfer and commercialization;
2. Revise and implement its policies in support of technology transfer and commercialization;
3. Establish responsive business structures and processes; and
4. Ensure adequate oversight and guidance of its technology transfer and commercialization structures and processes.



Memorial University's Technology Transfer and Commercialization Strategy  
(cont'd)

It was moved by Dr. Marceau and seconded by Dr. Naterer that Memorial University's Technology Transfer and Commercialization Strategy be endorsed by Senate.

After discussion, the motion was put to a vote and carried.

A copy of Dr. Marceau's PowerPoint presentation is attached to the original of these minutes.

31. REMARKS FROM THE CHAIR - QUESTIONS/COMMENTS FROM SENATORS

The President reported on his activities since the last meeting of Senate.

The President attended the following events:

- Remembrance Day Ceremonies focused on the Gallipoli campaign, which was also attending by the Ambassador of Turkey
- I Love MUNDays
- Alumni Weekend
- Alumni Tribute Awards
- Fall Convocation
- University of Canada meeting in Ottawa with an unexpected presentation by the new Prime Minister
- met with President of SSHRC
- 1<sup>st</sup> Arctic Forum with Norway which was hosted here
- Husky Energy Diversity Forum

The President commented on the following:

- Senate Reform Committee met
  - approved new Terms of Reference for Planning and Budget Committee which will be considered at the December meeting of Senate
  - started discussions with Senate Standing Committees; presentations to be made by Senate Standing Committees once a year

32. ADJOURNMENT

The meeting adjourned at 5:00 p.m.

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CHAIRMAN

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SECRETARY