MEMORIAL UNIVERSITY OF NEWFOUNDLAND
SENATE

The regular meeting of Senate was held on October 13, 2015 at 4:00 p.m. in the Lecture Theatre in the Physical Education Building, Room 2001.

11.   PRESENT

The President, Dr. N. Golfman, Dr. R. Marceau, Mr. G. Blackwood, Dr. M. Abrahams, Ms. L. Busby, Dr. H. Carnahan, Ms. B. Simmons (for Ms. S. Cleyle), Dr. D. Foster, Dr. A. Gaudine, Dr. D. Hardy Cox, Dr. C. Marra, Dr. F. Murrin, Dr. G. Naterer, Dr. L. Phillips, Ms. J. Porter (for Ms. S. Singleton), Dr. C. Reynolds, Dr. M. Volk, Dr. S. Abhyankar, Ms. L. Alcock, Dr. J. Connor, Dr. I. Emke, Dr. A. Fiech, Professor A. Fisher, Dr. G. George, Dr. D. Kelly, Dr. J. Lokash, Dr. J. McLean, Ms. C. Molloy, Dr. S. Mulay, Dr. M. Mulligan, Dr. A.C. Onodenalore, Dr. K. Parsons, Dr. C. Purchase, Mr. K. Rideout, Mr. P. Ryan, Dr. K. Simonsen, Dr. C. Thorpe, Dr. C. Vardy, Professor D. Walsh, Ms. T. Nielsen, Mr. M. Allen, Ms. L. Brake, Ms. B. Byrnes, Ms. A. Kavanagh, Mr. R. Leamon, Mr. M. O'Keefe, Ms. L. Robertson, Mr. D. Rumbolt.

The President welcomed Ms. Jennifer Porter, Deputy Registrar, who will be the Acting Secretary of Senate today as Ms. Singleton is off campus.

New Acting Dean of the Faculty of Business Administration

Dr. Dale Foster
(Dr. Dale Foster has been appointed Acting Dean effective October 1, 2015 until December 31, 2015. Dr. Foster will act in the position while Dr. Wilfred Zerbe is on administrative leave.)

New MUNSU Senators

Matthew Allen
Alana Kavanagh

Attending by Invitation for discussion of Item 5.A. New Option - Master of Marine Studies Program

Charlene Walsh, Marine Institute
Geoff Coughlin, Marine Institute

12.   APOLOGIES FOR ABSENCE

Apologies were received from Dr. I. Fleming, Dr. M. Haghiri, Dr. D. McKay, Dr. A. Rose, Dr. M. Wernerheim.

13.   MINUTES

It was moved by Dr. Abhyankar, seconded by Dr. Marceau, and carried that the Minutes of the regular meeting held on September 8, 2015 be taken as read and confirmed.

CONSENT AGENDA

It was moved by Dr. Murrin, seconded by Dr. Marceau, and carried that the consent agenda, comprising the items listed in 14 to 15 below, be approved as follows:

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

14.1   General Regulation 4.12.6.2

Page 573, 2015-2016 Calendar, under the heading 4.12.6.2 Explanation of Procedures, amend clause 4 to read as follows:

"The report shall be reviewed by a panel of three members of the Investigations Board for a decision."

14.2   Scientific Computing

Page 654, 2015-2016 Calendar, under the heading 25.21.4 Program of Study, delete ", to be submitted to the School of Graduate Studies for examination," from clause 3.

Page 654, 2015-2016 Calendar, under the heading 25.21.4 Program of Study, delete the last sentence of clause 4.a. and replace with the following:

"The thesis must be written in a format according to procedures outlined in Guidelines for Theses and Reports by the School of Graduate Studies (http://www.mun.ca/sgs/go/guid_policies/theses.php)."

Page 654, 2015-2016 Calendar, under the heading 25.21.4 Program of Study, amend clause 4.b. to read as follows:

"The project option requires the completion of a minimum of eight graduate courses (24 credit hours) numbered 6000 or higher, which must include CMSC 6009 and at least three courses (9 credit hours) from the **Core Courses** listing below. Equivalent courses may be considered for substitution with approval of the Program Chair. The additional courses will normally be chosen from the **Additional Courses** listing below in the same discipline as the project work. An acceptable project report is also required that is based on research performed with the guidance of the student's supervisor. The project, which will include an in-depth written report, shall require the

Scientific Computing (cont'd)

equivalent of at least one and no more than two semesters of full time work. The project report must be written in a format according to procedures outlined in Guidelines for Theses and Reports by the School of Graduate Studies (http://www.mun.ca/sgs/go/guid_policies/theses.php). The report will be evaluated by the student's supervisor, by the Chair of the Board of Study (or delegate), as well as by one other faculty member. Acceptance of a final version of the report (and a passing grade for CMSC 6009) requires the agreement of the three examiners."

Page 655, 2015-2016 Calendar, under the heading <u>25.21.5 Co-Operative Education Option</u>, amend clause 3 to read as follows:

"3.   Students will complete two work terms consecutively, normally following the successful completion of a minimum of four courses (12 credit hours)."

Page 655, 2015-2016 Calendar, under the heading <u>25.21.6 Courses</u>, add the following courses to the **Core Courses** listing:

"•   Mathematics 6201 Numerical Methods for Partial Differential Equations
•   Scientific Computing 6009 Master's Project"

14.3 Social Work

Page 665, 2015-2016 Calendar, under the heading <u>30.2 Procedure for Admission</u>, in the second sentence of clause 1 change the punctuation from a comma to a semicolon after the phrase "a list of any published and unpublished works".

Page 665, 2015-2016 Calendar, under the heading <u>30.2 Procedure for Admission</u>, in the first sentence of clause 4 delete "applying for and".

Page 666, 2015-2016 Calendar, under the heading <u>30.3 Plan of Study</u>, amend clause 4.a. to read as follows:

"Students who choose... 6013, 6014, 6313, 6413, 6917, and at least one of SCWK 6314 or 6315. Course route students... 6013, 6014, 6313, 6314, 6315, 6413, 6417, and 6917. Students in either route may be required to take additional courses."

Page 666, 2015-2016 Calendar, under the heading <u>30.3 Plan of Study</u>, in the second sentence of clause 4.b. delete the word "revised".

Social Work (cont'd)

Page 666, 2015-2016 Calendar, under the heading 30.4 Field Internship SCWK 6917, delete each instance of "and the Graduate Officer" from the last two paragraphs.

Page 666, 2015-2016 Calendar, under the heading 30.5 Course Format, amend clause 2 to read as follows:

"2.   SCWK 6313, 6314 and 6315 are online courses...."

Page 667, 2015-2016 Calendar, under the heading 30.6 Period of Study, amend entire section to read as follows:

"**30.6 Period of Study**
For students admitted to the program under Plan of Study above:
1.   For part-time students, the program is designed to permit completion of all degree requirements within three academic years (nine semesters) or two academic years (six semesters). The following is a sample program of study for nine semesters:
Fall Semester:
SCWK 6012 in Year 1
SCWK 6000, 6013, 6313, 6315 or 6413 in Year 2
SCWK 6000, 6013, 6313, 6315 or 6413 in Year 3
Winter Semester:
SCWK 6013, 6014, 6313, 6314, or 6413 in Year 1
SCWK 6000, 6013, 6014, 6313, 6314, or 6413 in Year 2
SCWK 6000, 6013, 6014, 6313, 6314, or 6413 in Year 3
Spring Semester:
SCWK 6014, 6314 or 6315 in Year 1
SCWK 6000, 6014, 6314 or 6315 in Year 2
SCWK 6917 (Field Internship) may be completed in Fall/Winter/Spring of Year 3
SCWK 6417 (Pathway Scholarship) is the final requirement to be completed and may be completed in the same semester as SCWK 6917 (Field Internship). Students are required to register for SCWK 6000 concurrently with SCWK 6917 and 6417.
2.   For full-time students, course route, the program is designed to permit completion of all degree requirements within one academic year (three semesters), as follows:
Fall Semester:
SCWK 6000, 6012, 6313* (institute) and 6413.
Winter Semester:
SCWK 6000, 6013, 6014, and 6314 (institute)
Spring Semester:
SCWK 6000, 6315 (institute), 6417 (pathway scholarship), and 6917 (Field Internship)

Social Work (cont'd)

3.   For full-time students, thesis route, the program is designed to permit completion of all degree requirements within one academic year (three semesters), as follows:
Fall Semester:
SCWK 6000, 6012, 6313 (institute) and 6413.
Winter Semester:
SCWK 6000, 6013, 6014, 6314* (institute)
Spring Semester:
SCWK 6000, 6315*6917 (field internship), thesis
* Thesis students are required to complete 6313 and only one of the two institute courses 6314 or 6315."

Page 667, 2015-2016 Calendar, under the heading 30.8 Courses, add the course "6313" to read as follows:

"6313 Perspectives with Individuals and Families (prerequisite/co-requisite 6012) *(credit may not be obtained for both 6313 and the former 6312 or 6322)*"

Page 667, 2015-2016 Calendar, under the heading 30.8 Courses, delete the courses "6316" and "6317", and the entire "Program Core Courses for Students Admitted Prior to Fall 2016" section.

Page 667, 2015-2016 Calendar, under the heading 30.8 Courses, amend the course "6917" to read as follows:

"6917 Field Internship *(prerequisites 6012; 6013; 6014; 6313 and 6413 and prerequisite/co-requisite two of 6314 and 6315 for course route students; one of 6314 or 6315 for thesis route students) (credit may not be obtained for both 6917 and the former 6912)*"

14.4   General Regulation 3.3.9

Page 559, 2015-2016 Calendar, under the heading 3.3.9 Visiting Research Student, delete every instance of "visiting research student" and replace with "visiting graduate student", including those instances found in the Heading and Note.

15.   REPORTS OF SENATE COMMITTEES

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

-     Committee on Honorary Degrees and Ceremonial
-     Executive Committee of Senate
-     Senate Committee on Undergraduate Studies

Reports of Senate Committees (cont'd)

- Senate Advisory Committee on the Library
- University Committee on Admissions
- Grenfell Campus Committee on Special Admissions
- Senate Advisory Committee on the Bookstore
- Senate Committee on Undergraduate Scholarships, Bursaries and Awards
- Senate Committee on Academic Appeals
- Senate Committee on Elections and Committees
- Senate Committee on Course Evaluation

The following nominations to Senate Standing Committees were approved:

Committee on Undergraduate Studies   Kathryn Rose

Committee on Course Evaluation   Jennifer Connor
John Bodner

The following Memorial University Students' Union nominations to Senate Standing Committees, effective immediately and lasting until April 30, 2016, were approved:

Academic Planning Committee   Jason Waters
Advisory Committee on the Bookstore   Jake Dinn
Advisory Committee on the Library   Courtney Young
Committee on Undergraduate Studies   Stephanie Mauger
Leah Robertson
Committee on Academic Appeals   Sarah Shannon
Brittany Lennox
Robert Leamon
Brittany Byrnes
Committee on Honorary Degrees and Ceremonial Philip Hillier
Committee on the University Calendar   Jack Chapman
Advisory Committee on the University Timetable Raylene Mackey
Committee on Course Evaluation   Tamanna Khan
Committee on Educational Technology   Courtney Young
Committee on Research   Sarah Shannon
Committee on Undergraduate Scholarships,
Bursaries and Awards   Leah Robertson
Executive Committee of Senate   Leah Robertson
University Planning and Budget Committee   Sarah Shannon
University Committee on Admissions   Brittany Lennox

The following Memorial University Students' Union nominations for representation on Senate, for a term effective immediately and lasting until the end of April 2016, were approved:

Reports of Senate Committees (cont'd)

Robert Leamon
Leah Robertson
Brittany Byrnes
Matthew Allen
Stephanie Mauger
Alana Kavanagh
Michael O'Keefe

REGULAR AGENDA

16.	REPORT OF THE SENATE COMMITTEE ON UNDERGRADUATE STUDIES

16.1	Election of Chair for 2015-2016 Academic Year

A memorandum dated September 11, 2015, was received from the Secretary, Senate Committee on Undergraduate Studies, regarding the election of the Chair for the 2015-2016 academic year.

On behalf of the Committee, Professor Donna Walsh noted that in accordance with the **HANDBOOK OF SENATE BY-LAWS AND PROCEDURES, SECTION VI. SENATE COMMITTEES – SELECTION AND PROCEDURES**, A. Senate Committee Procedures, Clause 7, the Senate Committee on Undergraduate Studies is required to elect its Chair for the 2015-2016 academic year at its first meeting of the year. In accordance with **SECTION VII. STANDING COMMITTEES,** L. Committee on Undergraduate Studies, Clause 2. the Chair of the Committee shall be a Senator.

Professor Walsh advised that at its first meeting of the academic year, held on September 10, 2015, the current Senators on the Senate Committee on Undergraduate Studies who are eligible for election of Chair indicated that they would not be seeking nomination. In this regard, the Committee is seeking approval to deviate from the above-noted procedures so that the Chair of the Committee for the 2015-2016 academic year does not have to be a Senator.

Should this request be approved by Senate, the Senate Committee on Undergraduate Studies also requests that a standing invitation to attend all Senate meetings for the 2015-2016 academic year be extended to the Chair so that the business being forwarded to Senate from the Senate Committee on Undergraduate Studies can be presented.

At the Senate Committee on Undergraduate Studies meeting held on September 10th, the Committee elected Dr. Shannon Sullivan, Department of Mathematics and Statistics, and Chair, Committee on Undergraduate Studies,

Election of Chair for 2015-2016 Academic Year (cont'd)

Faculty of Science, as Chair for the 2015-2016 academic year with the proviso that the above-noted request is approved.

The Chair of the Senate Committee on Undergraduate Studies would present the documentation and a member of the Senate Committee on Undergraduate Studies will make a motion.

It was moved by Professor Walsh, seconded by Dr. George, and carried that this request to deviate from the procedures and a standing invitation be extended to the Chair of the Senate Committee on Undergraduate Studies to attend all Senate meetings for the 2015-2016 academic year.

It was then moved by Professor Walsh, seconded by Dr. George, and carried that Dr. Shannon Sullivan be elected the Chair of the Senate Committee on Undergraduate Studies for the 2015-2016 academic year.

17.   Report of the Academic Council of the School of Graduate Studies

17.1   New Option - Master of Marine Studies Program

Dr. Faye Murrin, Dean, School of Graduate Studies *pro tempore*, presented the proposal for a new option for the Master of Marine Studies Program on behalf of the Fisheries and Marine Institute. She acknowledged that Charlene Walsh and Geoff Coughlin from the Marine Institute were in attendance to answer any questions that may arise.

It was moved by Dr. Murrin, seconded by Dr. Golfman, and carried that on page 625, 2015-2016 Calendar, the entire section 18 Regulations Governing the Degree of Master of Marine Studies (Fisheries Resource Management) will be deleted and replaced with the following:

"**18 Regulations Governing the Degree of Master of Marine Studies**

Vice-President (Marine Institute)
G. Blackwood

18.1 Programs

The degree of Master of Marine Studies (M.M.S.) is offered at present in Fisheries Resource Management (FRM) and in Marine Spatial Planning and Management (MSPM). There are two graduate programs in Fisheries Resource Management: the Graduate Diploma (Fisheries Resource Management) and the Master of Marine Studies (Fisheries Resource Management).

New Option - Master of Marine Studies Program (cont'd)

18.2 Fisheries Resource Management

Academic Director
K. Rideout

18.2.1 Administration

The Fisheries Resource Management programs will be administered by an Academic Director appointed by the Vice-President (Marine Institute), together with an Academic Advisory Committee.

An Academic Advisory committee will be appointed by the Dean of Graduate Studies on recommendation of the Vice-President (Marine Institute). This committee will consist of the Academic Director as Chair, three members from the Marine Institute and two members from other academic units of the University. Normally, all appointments will be for a period of three (3) years.

A Technical Advisory Committee consisting of a cross-section of members with professional expertise related to the fishery, will provide regular feedback on program content, instruction, and future direction of the Program. Members of this Committee will be appointed by the Dean of Graduate Studies on recommendation of the Vice-President (Marine Institute). The Academic Director will be an ex-officio member and Chair of the Technical Advisory Committee. Normally all appointments will be for a period of three (3) years.

18.2.2 Graduate Diploma (Fisheries Resource Management)

The Graduate Diploma in Fisheries Resource Management provides an opportunity for fisheries professionals to enhance their perspective on fishery issues from a variety of disciplines.

18.2.2.1 Admission Requirements

To be admitted to the Graduate Diploma in Fisheries Resource Management, a student must be eligible to register in the Master of Marine Studies program (see **Master of Marine Studies (Fisheries Resource Management), Admission Requirements** below).

18.2.2.2 Program of Study

The program is offered online and requires successful completion of 18 credit hours of course work selected from the **Courses** section below:

1. 5 core courses (15 credit hours)
2. 1 elective course (3 credit hours) from either **Category A** or **Category B** Electives

New Option - Master of Marine Studies Program (cont'd)

18.2.2.3 Evaluation

Candidates for the Graduate Diploma in Fisheries Resource Management must obtain a grade of B or better in all program courses.

18.2.3 Master of Marine Studies (Fisheries Resource Management)

The Master of Marine Studies (Fisheries Resource Management) is a multi-disciplinary program of study that will provide the candidate with exposure to all dimensions of modern fisheries resource management in an international context. The program is aimed at professionals working in or intending to enter careers in fisheries management. The program is offered online and requires successful completion of either (a) 24 credit hours of course work and a Major Report, or (b) 30 credit hours of course work. Students who have successfully completed the requirements for the Graduate Diploma may elect to continue their program of study in order to earn the Degree.

18.2.3.1 Admission Requirements

1.   Admission to the program is on a competitive basis. To be considered for admission to the program an applicant must normally have an undergraduate degree with a minimum of a high second class standing from an institution recognized by the Senate.

2.   In addition to the academic requirements in 1. above applicants will normally have a demonstrated commitment to fisheries through employment or experience in a sector of the fishery, in a regulatory agency or government Department connected to fisheries, in a non-governmental agency, or through self-employment or consulting activities related to fisheries.

3.   In exceptional cases, applicants who have not completed an undergraduate degree may be considered for admission. Preference will be given to those who have at least 10 years of relevant professional experience, and have successfully completed several years of post-secondary studies. Applicants who do not meet normal admission requirements shall be required to complete, with a high level of achievement, certain undergraduate courses before being considered for admission.

4.   Applicants who did not complete a baccalaureate or post-graduate degree at a recognized university where English is the primary language of instruction must normally complete either the:

New Option - Master of Marine Studies Program (cont'd)

i.   Test of English as a Foreign Language (TOEFL) and achieve a paper-based score of 580 (or higher), computer-based score of 237 (or higher), or Internet based score of 92-93 (or higher); or

ii.   International English Language Testing System (IELTS) and achieve a score of 7 (or higher).

Information regarding the TOEFL is available from the Educational Testing Service at www.ets.org. IELTS information is available at www.ielts.org. It is noted that other equivalent tests acceptable to the School of Graduate Studies will also be considered.

5.   The deadlines for submission of applications for candidates wishing to enter studies are as follows:
Fall (September) semester: June 15
Winter (January) semester: October 15
Spring (May) semester: February 15

Applications received after listed deadlines will be considered as time and resources permit.

18.2.3.2 Program of Study

1.   Candidates for the Master of Marine Studies (Fisheries Resource Management) shall be required to complete a minimum of either:

a.   24 credit hours of course work plus a Major Report on the **Course Work Plus a Major Report Route** completed in accordance with **General Regulation, Theses and Reports** of the School of Graduate Studies. Course work must include the following course selections from the Courses section below:
- 5 core courses (15 credit hours)
- 1 elective course (3 credit hours) from **Category A** Electives
- 1 elective course (3 credit hours) from **Category B** Electives
- 1 elective course (3 credit hours) from either **Category A** or **Category B**

b.   30 credit hours on a **Comprehensive Course Route** which must include the following course selections from the Courses section below:
- 5 core courses (15 credit hours)

New Option - Master of Marine Studies Program (cont'd)

- • 2 elective courses (6 credit hours) from **Category A** Electives
- • 1 elective course (3 credit hours) from **Category B** Electives
- • 2 elective courses (6 credit hours) from either **Category A** or **Category B**

2. Dependent upon the applicant's academic background, other courses may be required by the Academic Advisory Committee.

3. Transfer of credit for graduate courses completed in other programs at the University or at other institutions recognized by Senate will be considered in accordance with School of Graduate Studies **General Regulations, Transfer of Course Credits**.

4. Those having partially completed the requirements for the degree under 2011-2012 Calendar Regulations may apply to transfer to one of the above program options and will be considered in accordance with the following:

a. Those having previously completed all coursework required for the degree, but who have not submitted the Major Report, may satisfy the Comprehensive Course Route requirements by successfully completing an additional 6 credit hours of courses as follows:
- • MSTM 6005 (for students who completed the former FRM 6009 to satisfy the 24 credit hours of courses required under previous program regulations, an additional elective course chosen from **Category A** or **B** must be selected in place of this course)
- • One further elective course (3 credit hours) from **Category A** or **B** electives

b. Those having previously completed all coursework required for the degree may satisfy the Major Report requirements by successfully completing:
- • MSTM 6001 (or the former FRM 6001)
- • MSTM 6002 (or the former FRM 6002)
- • MSTM 6003 (or the former FRM 6003)
- • MSTM 6004 (or either of the former FRM 6004 or FRM 6005)
- • MSTM 6005 (or the former FRM 6009)
- • a Major Report completed in accordance with **General Regulations, Theses and Reports** of the School of Graduate Studies together with the following course selections from the Courses section below:

New Option - Master of Marine Studies Program (cont'd)

> 1 elective course (3 credit hours) from **Category A** Electives
> 1 elective course (3 credit hours) from **Category B** Electives
> 1 elective course (3 credit hours) from either **Category A** or **Category B**. The former FRM 6007 and/or FRM 6008 may be used to partially satisfy the elective requirement.

    c.   Those having previously partially completed the coursework required for the degree may satisfy the **Comprehensive Course Route** requirements by successfully completing:

- MSTM 6001 (or the former FRM 6001)
- MSTM 6002 (or the former FRM 6002)
- MSTM 6003 (or the former FRM 6003)
- MSTM 6004 (or either of the former FRM 6004 or FRM 6005)
- MSTM 6005 (or the former FRM 6009) together with the following course selections from the Courses section below:

> 1 elective course (3 credit hours) from Category A Electives
> 1 elective course (3 credit hours) from Category B Electives
> 3 elective courses (9 credit hours) from either Category A or Category B. The former FRM 6007 and/or FRM 6008 may be used to partially satisfy the elective requirement.

18.2.3.2.1 Course Work Plus a Major Report Route

24 credit hours of course work plus a Major Report completed in accordance with **General Regulations, Theses and Reports** of the School of Graduate Studies. Course work must include the following course selections from the Courses section below:

1. 5 core courses (15 credit hours)
2. 1 elective course (3 credit hours) from Category A Electives
3. 1 elective course (3 credit hours) from Category B Electives
4. 1 elective course (3 credit hours) from either Category A or Category B

18.2.3.2.2 Comprehensive Course Route

30 credit hours on the Comprehensive Course Route which must include the following course selections from the Courses section below:

1. 5 core courses (15 credit hours)
2. 2 elective courses (6 credit hours) from Category A Electives
3. 1 elective course (3 credit hours) from Category B Electives

New Option - Master of Marine Studies Program (cont'd)

4.   2 elective courses (6 credit hours) from either Category A or Category B

18.2.3.3 Evaluation

1.   Candidates for the Master's Degree must obtain a grade of B or better in all program courses.
2.   Candidates who have received a grade less than a B in a program course will be permitted to remain in the program, provided the course is retaken and passed with a grade of B or better. Alternatively the candidate may, on the recommendation of the Academic Advisory Committee, substitute another graduate course. Only one such repeat or substitution will be permitted in the program.
3.   The Major Report will normally be undertaken towards the end of the program. The topic of the report and a faculty Supervisor will be chosen by the candidate in consultation with the Academic Advisory Committee. The report provides an opportunity to synthesise an original perspective on a selected fisheries issue through the examination of appropriate literature and other sources of information. Normally the report will be multi-disciplinary in nature and will result in a document equivalent to a publishable periodical journal article or a consultant's report on a particular issue. It will be assessed in accordance with General Regulations, Theses and Reports of the School of Graduate Studies.

18.2.4 Courses

18.2.4.1 Core Courses

MSTM 6001 Fisheries Ecology (credit may be obtained for only one of MSTM 6001 and the former FRM 6001)
MSTM 6002 Fisheries Resource Assessment Strategies (credit may be obtained for only one of MSTM 6002 and the former FRM 6002)
MSTM 6003 Fisheries Economics (credit may be obtained for only one of MSTM 6003 and the former FRM 6003)
MSTM 6004 Fisheries Policy and Planning (credit may be obtained for only one of MSTM 6004, the former FRM 6004, and the former FRM 6005)
MSTM 6005 Overview of World Fisheries (credit may be obtained for only one of MSTM 6005 and the former FRM 6009)

18.2.4.2 Category A Electives

MSTM 6006 Business Management for Fisheries (credit may be obtained for only one of MSTM 6006 and the former FRM 6006)
MSTM 6007 Fisheries Technology
MSTM 6008 Social and Philosophical Issues of Fisheries Management
MSTM 6009 Current Issues for Sustainable Fisheries
MSTM 6010 Legal Aspects of Fisheries Resource Management

New Option - Master of Marine Studies Program (cont'd)

18.2.4.3 Category B Electives

MSTM 6022 Communication and Conflict Resolution in a Technical Environment
MSTM 6023 Strategic Planning, Policy, Participation and Management in Technical Operations
MSTM 6033 Quality Systems
MSTM 6034 Project Management in the Offshore, Health, Fisheries and Engineering Technology Environments
MSTM 6039 Sustainability and Environmental Responsibility
MSTM 6044 Marine Environment Law and Pollution Control
MSTM 6056 Management for International Development
MSTM 6071 Management of Aquaculture Technology

18.3 Marine Spatial Planning and Management

Academic Director
TBD

18.3.1 Administration

The Marine Spatial Planning and Management program will be administered by an Academic Director appointed by the Vice-President (Marine Institute), together with an Academic Advisory Committee.

An Academic Advisory Committee will be appointed by the Dean of Graduate Studies on recommendation of the Vice-President (Marine Institute). This committee will consist of the Academic Director as Chair, three members from the Marine Institute and two members from other academic units of the University. All appointments will normally be for a period of three (3) years.

A Technical Advisory Committee, consisting of a cross-section of members with professional expertise related to the ocean/marine sector, will provide regular feedback on program content, instruction, and future direction of the Program. Members of this Committee will be appointed by the Dean of Graduate Studies on recommendation of the Vice-President (Marine Institute). The Academic Director will be an ex officio member and Chair of the Technical Advisory Committee. All appointments will normally be for a period of three (3) years.

18.3.2 Program

The Master of Marine Studies (Marine Spatial Planning and Management) is a multi-disciplinary academic program that provides students with both conceptual/theoretical background and practical applied skills in integrated

New Option - Master of Marine Studies Program (cont'd)

coastal and ocean management (ICOM) and marine spatial planning (MSP). The program provides a broad level understanding of planning processes and the governance, policy/legislative, ecological, social, cultural and economic elements of coastal and ocean areas complemented by practical and applied skills for stakeholder engagement, project management and utilization of geospatial technology to support planning and management efforts.

Successful completion of the program includes 30 credit hours of course work and an Internship or a Research Project.

The program commences in the Fall semester of each year.

18.3.3 Admission Requirements

Admission to the program is on a limited and competitive basis.

1.   To be considered for admission to the program an applicant will normally possess a relevant second class or better undergraduate degree from a university of recognized standing.
2.   Students intending to undertake electives in Decision Support / Geospatial Analysis (Category C) are required to have a background in mathematics, statistics and geographic information systems.
3.   In exceptional cases, applicants who have not completed an undergraduate degree may be considered for admission. Preference will be given to those who have at least 10 years of relevant professional experience, and have successfully completed several years of post-secondary studies. Applicants who do not meet normal admission requirements shall be required to complete, with a high level of achievement, certain undergraduate courses before being considered for admission.
4.   Applicants who did not complete a baccalaureate or post-graduate degree at a recognized university where English is the primary language of instruction must normally complete either the:
    i.   Test of English as a Foreign Language (TOEFL) and achieve a paper-based score of 580 (or higher), computer-based score of 237 (or higher), or Internet based score of 92-93 (or higher); or
    ii.   International English Language Testing System (IELTS) and achieve a score of 7 (or higher).

    Information regarding the TOEFL is available from the Educational Testing Service at www.ets.org. IELTS information is available at www.ielts.org. It is noted that other equivalent tests acceptable to the School of Graduate Studies will also be considered.

The deadline for submission of applications is March 15.

New Option - Master of Marine Studies Program (cont'd)

18.3.4 Program of Study

Students in the Master of Marine Studies (Marine Spatial Planning and Management) are required to complete 30 credit hours of course work and an Internship or Research Project. Course work includes 7 core courses: 6 courses (18 credit hours) completed online; and 1 intensive hands-on course (3 credit hours) offered in a face-to-face environment, as well as 3 elective courses (9 credit hours) offered either online or on campus.

a)   **Core Courses**
        All students must complete the following compulsory core courses:

-       MSTM 6011 Introduction to Integrated Coastal and Ocean Management / Marine Spatial Planning
-       MSTM 6012 Fundamentals of Geospatial Analysis
-       MSTM 6013 Resource/Natural Environment and Ocean Use Characterization
-       MSTM 6014 Geospatial Analysis for Marine Spatial Planning (prerequisites: MSTM 6011, 6012, and 6013)
-       MSTM 6022 Communication and Conflict Resolution in a Technical Environment
-       MSTM 6034 Project Management in the Offshore, Health, Fisheries and Engineering Technology Environments
-       MSTM 6027 Coastal and Ocean Environmental Policies

b)   **Electives**
        Students will choose one of three options for elective course selection:

        i.   Two Category A Electives plus one Category B Elective.
        ii.   Two Category B Electives plus one Category A Elective.
        iii.   Two Category C Electives plus one Category A or B Elective.

Category A Electives: Natural Environment
-       ENVE/ENVS 6001 Earth and Ocean Systems
-       MSTM 6001 Fisheries Ecology
-       MSTM 6015 Marine Protected Areas
-       MSTM 6016 Coastal Geomorphology / Oceanography

Category B Electives: Human Environment
-       MSTM 6008 Social and Philosophical Issues in Sustainable Fisheries
-       MSTM 6017 Social and Cultural Aspects of Coastal Communities
-       MSTM 6018 Coastal and Ocean Economics

New Option - Master of Marine Studies Program (cont'd)

Category C Electives: Decision Support / Geospatial Analysis
• GEOG 6120 Geospatial Modelling and Analysis
• GEOG 6821 Advanced Computer Modelling/Habitat Mapping

c) **Internship (MSTM 6019) or Research Project**
All students must complete an Internship or Research Project. Normally students would be permitted to register for the Internship or Research Project only after all other course requirements have been met, or during the student's last semester of studies. Evaluation of the Research Project shall be carried out in accordance with **Theses and Reports** of the **General Regulations** governing all students in the **School of Graduate Studies**.

i. **Internship Requirements**
• Internships are normally proposed by the student and approved by the Academic Director in consultation with the Placement Officer. Internship placements may be local, national or international. Students seeking international internships must consult with the Academic Director early in the first year of their program.
• Internships are for full-time employment hours for the duration of the semester (12 weeks).
• Students must attend a scheduled pre-internship orientation workshop. See Pre-Internship Workshop.
• Each internship placement is supervised and evaluated by the on-site Supervisor assigned by the employer and the Academic Director. The internship shall consist of two components:
  ☐ On-Site Student Performance as evaluated by the on-site Supervisor assigned by the employer, in consultation with the Academic Director and Placement Officer.
  ☐ An Internship Report graded by the Academic Director in consultation with the on-site Supervisor assigned by the employer.
• Evaluation of the Internship shall result in one of the following final grades: Pass or Fail.
• A student must obtain a Pass in both the On-Site Student Performance and the Internship Report to obtain a final grade of Pass. If a student fails to achieve the internship standards specified above, the student may be required to repeat the internship. An internship may only be repeated once.

New Option - Master of Marine Studies Program (cont'd)

- Students who voluntarily withdraw from the internship without prior approval from the Academic Director, or who conduct themselves in such a manner as to cause the host organization and the Placement Officer to terminate the placement, will normally be awarded a grade of Fail in the internship.
- Students are not permitted to withdraw from the internship without prior approval of the Academic Director, in consultation with the Placement Officer. The Placement Officer will make a recommendation to the Academic Director who will make the final decision. Permission to withdraw from the internship does not constitute a waiver of degree requirements, and students who have obtained such permission must complete an approved internship or research project in lieu of the internship dropped.

ii. **Research Project Requirements**
- Research projects are normally proposed by the student and approved by the Academic Director.
- Students must attend a scheduled pre-research project orientation workshop. See Pre-Research Project Workshop.
- Evaluation of the Research Project shall be carried out in accordance with Theses and Reports of the General Regulations governing all students in the School of Graduate Studies.
- Students are not permitted to withdraw from the research project without prior approval of the Academic Director. Permission to withdraw from the research project does not constitute a waiver of degree requirements, and students who have obtained such permission must complete an approved research project or internship in lieu of the research project dropped.

iii. Students are required to complete one of the following workshops:
- **Pre-Internship Workshop**
This online workshop reviews the Internship requirements. It aids students in writing resumes and cover letters, discusses interviewing practices and examines student/employer relationships. International internship opportunities and processes for application will be discussed. This workshop is held during the week following the end of the Winter semester.

New Option - Master of Marine Studies Program (cont'd)

- **Pre-Research Project Workshop**
  This online workshop reviews the Research Project requirements, aids students in preparing a project concept, proposal and establishing the research project timelines, and provides access to information and resources necessary for approval and completion of the Research Project. This workshop is held during the week following the end of the Winter semester.

d) **Advanced Standing**
Students who have successfully completed the Marine Institute Advanced Diploma in Integrated Coastal and Ocean Management will be given advanced standing credit for MSTM 6012, 6013, 6016.

e) **Transfer Credits**
Up to three relevant elective courses (9 credit hours) may be transferred from other graduate programs within the School of Graduate Studies or from other post-secondary institutions recognized by Senate, subject to the approval of the Dean of Graduate Studies on the recommendation of the Academic Director.

18.3.5 Evaluation

1. Students in the Master of Marine Studies (Marine Spatial Planning and Management) program must obtain a grade of B or better in all program courses.
2. Students who receive a grade of less than B in any course will be permitted to remain in the program provided the course is repeated and passed with a grade of B or better. Alternatively, the student may, on the recommendation of the Academic Director, and with the approval of the Dean of Graduate Studies, substitute another graduate course. Only one course repetition or substitution will be permitted during the student's program after which the student shall be required to withdraw from the program."

18. Acceptance of Revisions to *Editorial Policy*

A memorandum dated July 29, 2015, was received from Dr. Glyn George, Chair, Senate Committee on the University Calendar, regarding revisions to the *Editorial Policy*.

Dr. George noted that at a recent meeting of the Senate Committee on the University Calendar, the Committee made changes to the current *Editorial Policy* based on recent revisions to the Grenfell Campus section of the University Calendar and a request from the Senate Committee on Undergraduate Studies.

Acceptance of Revisions to *Editorial Policy* (cont'd)

It was moved by Dr. George, seconded by Professor Fisher, and carried that the following revisions be made.

Under the heading COURSE DESCRIPTIONS IN THE CALENDAR, subheading Course title, amend the first bullet under the heading Suggestions and examples:, to read as follows:

"•   Keep course titles within the 30 character limit or a maximum of 8 - 10 words or to something which ... Deve & Teach Meth."

Under the heading COURSE DESCRIPTIONS IN THE CALENDAR, subheading Course description, add the following two new bullets as bullet 2 and 3 under the heading Suggestions and examples:, as follows:

"•   The length of a course description should be a maximum of 75 words. If there are issues of health and safety or certification give the necessary detailed information by providing a web link.
•   The items in the Key should be no more than 15 words in length. If there are issues of health and safety or certification give the necessary detailed information by providing a web link."

Under the heading COURSE DESCRIPTIONS IN THE CALENDAR, subheading Other, add the following new bullet as bullet 6, as follows:

"•   When adding tables in Faculty/Schools which have departments, tables in each departments will start with the number 1."

19.   Faculty of Engineering and Applied Science - Revised Faculty Council Constitution

A memorandum dated September 1, 2015, was received from Dr. G. Naterer, Chair, Faculty Council, Faculty of Engineering and Applied Science, proposing amendments to its Constitution and Bylaws which were accepted by the Faculty Council of the Faculty of Engineering and Applied Science on May 27, 2015.

It was moved by Dr. Naterer, seconded by Dr. George, and carried that the proposed amendments to the Constitution and Bylaws of the Faculty of Engineering and Applied Science be approved for submission to the Board of Regents.

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

The President gave the following update regarding the ad hoc Committee on Senate Reform:

Remarks from the Chair - Questions/comments from Senators (cont'd)

Since the interim report was presented to Senate at its May meeting

- The University Planning and Budget Committee has completed a review of its Terms of Reference; it should be included in the November Senate agenda

- Feedback on the Interim Report has been received from the Senate Advisory Committee on the Library

- Feedback on the Interim Report has been received from the Senate Committee on Copyright

During the Fall semester, feedback will be sought from other Committees, and from stakeholders regarding the proposed Teaching and Learning Committee.

The Interim Report stated that SharePoint will be adopted by Senate for agendas, etc. but technical issues have delayed the project.

Background documents, including the Interim Report, will be distributed to new senators in advance of the next Senate meeting.

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

- Acknowledged and complimented the VitalSigns Report from the Harris Centre
- Attended Grenfell Convocation on October 2; Robert Wells received an Honorary Degree
- Reminded Senators of the Alumni Reunion Weekend coming up this weekend
- Represented Memorial at the official opening of the Royal Newfoundland Constabulary Memorial Campus
- Attended Association of Atlantic Universities meeting in PEI
- Attended Halifax Affinity event
- Acknowledged the initiation of an internal review process regarding the Student Accommodations Policy
- No update on budget, election the end of November

21. ADJOURNMENT

The meeting adjourned at 4:25 p.m.

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CHAIRMAN   SECRETARY