**MEMORIAL UNIVERSITY OF NEWFOUNDLAND**

 **Academic Council**

 **April 17, 2017 (via email)**

Members of Academic Council were asked to review one item of business, via email, for approval.

It was moved by Dr. Walsh, and seconded by Dr. Loredo-Osti, that the following item of business be approved for the Marine Institute’s graduate programs:

1. Graduate Diploma in Fisheries Resource Management (name change)
2. Master of Marine Studies (Fisheries Resource Management ( reference to the graduate diploma is modified to reflect the new title above, and removal of section 17.2.2.(4) which is no longer required as the students under this regularion from 2011-2012 have all completed the program.
3. Master of Marine Studies (Marine Spatial Planning and Management) – to remove a typo in section 17.3.1., and to remove MSTM 6013 and replace with MSTM 6022 in section 17.3.3.

With a majority of members voting in favour, the motion

 CARRIED

Calendar Revisions for the Graduate Diploma in Fisheries Resource Management and the Master of Marine Studies (FRM) are as follows:

17 Regulations Governing the Degree of Master of Marine Studies and the Graduate Diploma in Marine Studies (Fisheries Resource Management)

[www.mi.mun.ca](http://www.mi.mun.ca/)

**Vice-President (Marine Institute)**

G. Blackwood

The degree of Master of Marine Studies (M.M.S.) is offered in Fisheries Resource Management (FRM) and in Marine Spatial Planning and Management (MSPM). There is also a Graduate Diploma in Marine Studies (Fisheries Resource Management).

Both the Fisheries Resource Management and the Marine Spatial Planning and Management program areas will be administered by Academic Directors appointed by the Vice-President (Marine Institute), together with Academic Advisory Committees.

Academic Advisory Committees for each program area will be appointed by the Dean of Graduate Studies on recommendation of the Vice-President (Marine Institute). Each of these committees 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.

For the Fisheries Resource Management programs, 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.

For the Marine Spatial Planning and Management program, 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 these Technical Advisory Committees 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.

**17.1 Graduate Diploma in Marine Studies (Fisheries Resource Management)**

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

**17.1.1 Admission Requirements**

To be considered for admission to the Graduate Diploma in Marine Studies (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**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-1565) below).

**17.1.2 Program of Study**

The program is offered online and requires successful completion of 18 credit hours of course work:

1. 5 courses (15 credit hours) from [**Core Courses**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-1565#GRAD-6377); and
2. 1 elective course (3 credit hours) from either [**Category A**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-1565#GRAD-6379) or [**Category B**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-1565#GRAD-6382) Electives.

**17.1.3 Evaluation**

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

**17.1.4 Courses**

Courses required for the Graduate Diploma in Marine Studies (Fisheries Resource Management) must be selected from the [**Courses**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-1565#GRAD-4804) section outlined under the Master of Marine Studies (Fisheries Resource Management) program.

**17.2 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 24 credit hours of course work and a Major Report, or 30 credit hours of course work. Students who have successfully completed the requirements for the Graduate Diploma in Marine Studies (Fisheries Resource Management) may elect to continue their program of study in order to earn the Degree.

**17.2.1 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, 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:
	1. 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
	2. 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](http://www.ets.org/). IELTS information is available at [www.ielts.org](http://www.ielts.org/). It is noted that other equivalent tests acceptable to the School of Graduate Studies will also be considered.

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

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

**17.2.2 Program of Study**

1. Candidates for the Master of Marine Studies (Fisheries Resource Management) shall be required to complete a minimum of either:
	1. 24 credit hours of course work plus a Major Report on the [**Course Work Plus a Major Report Route**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-1565#GRAD-6354) completed in accordance with [**General Regulation, Theses and Reports**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-0026) of the School of Graduate Studies. Course work must include the following course selections from the [**Courses**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-1565#GRAD-4804) section below:
		* 5 core courses (15 credit hours)
		* 1 elective course (3 credit hours) from [**Category A**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-1565#GRAD-6379) Electives
		* 1 elective course (3 credit hours) from [**Category B**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-1565#GRAD-6382) Electives
		* 1 elective course (3 credit hours) from either [**Category A**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-1565#GRAD-6379) or [**Category B**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-1565#GRAD-6382)
	2. 30 credit hours on the [**Comprehensive Course Route**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-1565#GRAD-6361) which must include the following course selections from the [**Courses**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-1565#GRAD-4804) section below:
		* 5 core courses (15 credit hours)
		* 2 elective courses (6 credit hours) from [**Category A**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-1565#GRAD-6379) Electives
		* 1 elective course (3 credit hours) from [**Category B**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-1565#GRAD-6382) Electives
		* 2 elective courses (6 credit hours) from either [**Category A**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-1565#GRAD-6379) or [**Category B**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-1565#GRAD-6382)
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**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-0019#GRAD-0694).

**17.2.2.1 Course Work Plus a Major Report Route**

24 credit hours of course work plus a Major Report completed in accordance with [**General Regulations**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-0015), [**Theses and Reports**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-0026) of the School of Graduate Studies. Course work must include the following course selections from the [**Courses**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-1565#GRAD-4804) section below:

1. 5 core courses (15 credit hours)
2. 1 elective course (3 credit hours) from [**Category A**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-1565#GRAD-6379) Electives
3. 1 elective course (3 credit hours) from [**Category B**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-1565#GRAD-6382) Electives
4. 1 elective course (3 credit hours) from either [**Category A**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-1565#GRAD-6379) or [**Category B**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-1565#GRAD-6382)

**17.2.2.2 Comprehensive Course Route**

30 credit hours on the Comprehensive Course Route which must include the following course selections from the [**Courses**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-1565#GRAD-4804) section below:

1. 5 core courses (15 credit hours)
2. 2 elective courses (6 credit hours) from [**Category A**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-1565#GRAD-6379) Electives
3. 1 elective course (3 credit hours) from [**Category B**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-1565#GRAD-6382) Electives
4. 2 elective courses (6 credit hours) from either [**Category A**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-1565#GRAD-6379) or [**Category B**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-1565#GRAD-6382)

**17.2.3 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 synthesize 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**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-0015), [**Theses and Reports**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-0026) of the School of Graduate Studies.

**17.2.4 Courses**

**17.2.4.1 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)*

**17.2.4.2 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

**17.2.4.3 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

Calendar Revisions for the Master of Marine Studies (Marine Spatial Planning and Management) are as follows:

**17.3.1 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:
	1. 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
	2. 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](http://www.ets.org/). IELTS information is available at [www.ielts.org](http://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.

**17.3.3 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, 6016, and 6022.

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Aimée Surprenant, Chair Peggy Coady, Secretary