**MEMORIAL UNIVERSITY OF NEWFOUNDLAND**

**Academic Council of the School of Graduate Studies**

**Minutes, December 21, 2015**

PRESENT: Dr. F. Murrin (Chair), Dr. D. Farquharson, Dr. C. Dyck, Dr. P. Coady, Dr. T. Brown, Dr. J. Hesson, Dr. T. Norvell, Dr. B. Roebothan, Dr. K. Szutor, Dr. D. Moralejo, Dr. J.C. Loredo-Osti, Dr. K. Tahlan, MR. B. Kumar Maity, Ms. L. Busby, Dr. E. Pittman

APOLOGIES: Dr. K. Side, Dr. J. Weber, Dr. R. Klein, Ms. K. Lord, Ms. C. Walsh

1. MINUTES:

 The minutes of October 19th, October 22nd (via email), and November 16th (via email) were approved as circulated.

 CARRIED

1. BUSINESS ARISING
2. CORRESPONDENCE
3. DEAN’S REPORT/REPORT OF SENATE
4. At its meeting of December 8th, 2015, Senate approved two new graduate courses MATH 6204 and ENGI 9971.
5. A welcome was extended to Dr. Jackie Hesson, the new representative for the Constituency of Education.
6. A welcome was also extended to Ms. Carol Sullivan, Manager of Fellowships and Awards, School of Graduate Studies, who will be attending this, and future Council meetings.
7. Reminders:
* Call for nominations have gone out from the School of Graduate Studies for various awards from NAGS for graduate students and faculty. Nomination packages are due at SGS by January 8, 2016. The Dean of Graduate Studies will transmit one nomination per award.
* The call for nominations for the Dean’s Award for Service Excellence has gone out. Deadline for receipt of nominations is February 29, 2016.
1. A thank you is extended to Lorraine Busby for her service to the School of Graduate Studies and its Academic Council. Ms. Busby’s term as University Librarian ends December 31, 2015.
2. At the recent Deans & Directors meeting held December 14th, SGS gave a brief presentation on enrolment and growth. Total enrolment is up and SGS continues to work hard.
3. REPORT OF THE GRADUATE STUDENTS’ UNION

 a. Mr. Kumar Maity noted that many Student reps are not attending the Academic Council meetings. This will be reviewed.

 Asan Mohideen recently resigned as the GSU President.

 The GSU put forward their position on the Library cuts recently announced, with an on-line petition.

1. STANDING COMMITTEES
2. Academic Council Executive
3. SGS – General Regulation 3.3.9

The School of Graduate Studies is recommending approval of the proposed change to General Regulation 3.3.9 which indicates the changes that are necessary as a result of CIC changes to the international mobility program which took effect February 21, 2015. The name change of this section as ‘Visiting Graduate Student’ was approved at the October 13th meeting of Senate.

It was moved by Dr. Coady and seconded by Dr. Loredo-Osti, that the proposed revisions be approved. The motion

 CARRIED

 **3.3.9 Visiting Graduate Student**

1. A student who is registered in good standing in a graduate program at another recognized institution who comes to Memorial University of Newfoundland to conduct research under the supervision of Memorial University of Newfoundland faculty members is considered to be a visiting graduate student. In order to obtain access to University resources, ~~and where applicable, a study permit~~ such a student will be required to register each semester of their visit for GRAD 9900 using a Course Change Form.
2. To be eligible to register, a visiting graduate student must submit an Application for Admission form to the School of Graduate Studies, accompanied by: a) a letter from their home institution verifying graduate student status, and b) a letter from the host faculty member confirming the duration of the visit. The student will then be admitted to the School of Graduate Studies to a "non-degree" program.
3. Visiting graduate students will be exempt from tuition fees. However, all visiting graduate students will be required, as a condition of registration, to purchase health insurance (international students should contact the International Student Advisor, whereas Canadian citizens or permanent residents of Canada should contact the Graduate Students' Union for more information). If a visiting graduate student wishes to register for a course while at Memorial University of Newfoundland, s/he must meet the University admission requirements and pay the undergraduate per course fee as indicated under the [***UNIVERSITY REGULATIONS*** **-** **Fees and Charges**](http://www.mun.ca/regoff/calendar/sectionNo%3DREGS-1369) in the University Calendar.

 ***Note:****A student enrolled in a graduate program at another university who wishes to complete courses at Memorial University of Newfoundland for transfer of credit to his/her home institution is not considered to be a visiting graduate student under this definition. Such students should apply to the Office of the Registrar for admission to the University, and if admitted, will be governed by*[***GENERAL ACADEMIC REGULATIONS***](http://www.mun.ca/regoff/calendar/sectionNo%3DREGS-0474)*. Fees will be assessed in accordance with the fee schedule for undergraduate courses as indicated under the*[***UNIVERSITY REGULATIONS******- Fees and Charges***](http://www.mun.ca/regoff/calendar/sectionNo%3DREGS-1369)*in the University Calendar.*

1. Nursing – Calendar Revisions

 The School of Nursing is requesting approval of the proposed revisions to the School of Nursing calendar entry. The revisions to section 21 include course additions/deletions to the practicum and NP options; increase in number of credit hours for the practicum, NP and the Post MN NP Graduate Diploma options; approval of two new courses 6706 and 6012; and other revisions/editorial changes.

 It was moved by Dr. Coady and seconded by Dr. Moralejo, that the proposed revisions be approved. The motion

 CARRIED

**21.1 Program**

1. The responsibility for the administration of all graduate programs shall reside with the Dean of Graduate Studies.
2. Applicants for the program shall be required to apply for admission to the Dean of the School of Graduate Studies and shall be expected to follow the regulations, policies, and practices required of the School. Deadline for receipt of applications should be no later than February 15. If space is available, students who apply after the deadline date may be accepted.
3. The School of Nursing offers a Master of Nursing (M.N.) Program with two options: Practicum and Nurse Practitioner as well as a Post Master’s Nurse Practitioner Graduate Diploma.

**21.2 Qualifications for Admission**

1. Applicants to the Master of Nursing program in any of the two options listed above must have a baccalaureate Degree in nursing, or an equivalent from an institution recognized by the University and a knowledge of nursing satisfactory to the School of Nursing.
2. Admission to the program is limited and competitive. To be considered for admission, the applicant must have maintained at least a grade B standing in the baccalaureate program.
3. Applicants are also required to have a minimum of one year's experience in nursing practice, and to have completed an undergraduate nursing research course **, and a statistics course normally within the last 5 years such as Statistics 2500 or Education 2900 or their equivalents and** **an undergraduate statistics course.**
4. Applicants must hold a practising licence from the Association of Registered Nurses of Newfoundland and Labrador or must be currently registered as a practising nurse in another Canadian jurisdiction. Applicants from other countries who do not meet the above criteria will be assessed on an individual basis. However, they must submit proof of registration as a practising nurse (or an equivalency) from their country or jurisdiction.
5. In addition to the above requirements, candidates seeking admission to the MN-Nurse Practitioner Degree option must have two years of clinical experience preferably in their chosen specialty area.
6. In addition to requirements 1 and 4, candidates seeking admission to the Post Master's Nurse Practitioner Graduate Diploma program must have completed a Master's Degree in Nursing or an equivalent degree with a nursing focus and have two years of clinical nursing experience preferably in their chosen specialty area.

**7. In addition to requirements 1, 4 and 6, candidates seeking admission to the MN-Nurse Practitioner Degree option and the Post Master’s Nurse Practitioner Graduate Diploma program will note that preference will be given to applicants who are living and working as Registered Nurses in Newfoundland and Labrador.**

**7.** **8. Only in exceptional circumstances and only on the recommendation of the School of Nursing shall the Dean of Graduate Studies consider applicants who do not meet admission requirements listed above.**

**21.3 Registration**

See School of Graduate Studies [**General Regulations, Registration**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-0018).

**21.4 Programs of Study**

There are two routes offered that lead to a Master of Nursing Degree**,:** the [**Practicum Option**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-1615#GRAD-5368) and the [**Nurse Practitioner Option**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-1615#GRAD-5375). Normally the program will require two years to complete when taken on a full-time basis. In addition to the M.N. Degree program, the School of Nursing also offers a [**Post Master’s Nurse Practitioner Graduate Diploma**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-1615#GRAD-5380).

**21.4.1 Practicum Option**

1. Candidates must complete an approved program of study consisting of a minimum of **21** **24** credit hours in graduate program courses and 6 credit hours in a consolidated practicum **courses**.

**Required courses:**

6010 Research in Nursing: Quantitative Methods

6011 Philosophical and Theoretical Foundations of Nursing

**6012 Statistics for Advanced Nursing Practice**

6100 Research in Nursing: Qualitative Methods

6221 Population-based Nursing (equivalent to N6220 and N6230)

6240 Nursing Individuals and Families Through Life Transitions (equivalent to N6200 and N6210)

6250 Foundations for Advanced Nursing Practice

**One of the following courses:**

6020 Program Development in Nursing

6031 Education in Nursing

**The following consolidated practicum courses:**

6660 MN Practicum **I 1**

6661 MN Practicum **II 2**

1. The program of each candidate shall be approved by the Dean of Graduate Studies on the recommendation of the Dean of the School of Nursing.

**21.4.2 Nurse Practitioner Option**

1. Candidates must complete an approved program of studies consisting of a minimum of **36** **37** credit hours in graduate program courses and an integrated clinical practice experience, comprising 12 credit hours.

**Required courses:**

6010 Research in Nursing: Quantitative Methods

6011 Philosophical and Theoretical Foundations of Nursing

**6012 Statistics for Advanced Nursing Practice**

**6020 Program Development in Nursing**

6100 Research in Nursing: Qualitative Methods

6221 Population-Based Nursing *(equivalent to 6220 and 6230)*

6240 Nursing Individuals and Families Through Life Transitions *(equivalent to 6200 and 6210)*

6251 Writing Skills for Nurse Practitioners (1 credit hour) *(Students who have transferred from the practicum option and have credit for 6250 Foundations for Nursing Practice will have this course waived*)

**6701 Advanced Practice Issues and Role Development (2 credit hours)**

6703 Advanced Health Assessment and Clinical Practicum **I** **1** (4 credit hours)

6704 Applied Pathophysiology and Clinical Practicum **II** **2** (4 credit hours)

6705 Pharmacotherapy and Therapeutics (3 credit hours)

**6706 Nurse Practitioner Roles and Practice Issues**

Either one of: 6800 Adult Advanced Clinical Decision Making **3** (4 credit hours), 6802 Family/All Ages Clinical Decision Making **3** (4 credit hours), or one of: 6803 to 6809 Nursing Specialty Option Courses (4 credit hours)

690X Advanced Clinical Practicum **II 4** (The integrated practice component will normally consist of a

minimum of 400 hours of preceptored specialty clinical practice and biweekly seminars) (12 credit

hours)

1. The program of each candidate shall be approved by the Dean of Graduate Studies on the recommendation of the Dean of the School of Nursing.
2. **The maximum time frame from commencement of the first core NP course (usually 6703) until program completion shall normally be no longer than 3 years.**

**21.4.3 Post Master's Nurse Practitioner Graduate Diploma**

1. Candidates with a Master's Degree in Nursing or an equivalent Degree with a nursing focus must complete an approved program of study consisting of a minimum of **17** **18** credit hours in graduate program courses and integrated clinical practice experience, comprising 12 credit hours.

**Required courses:**

**6701 Advanced Practice Issues and Role Development (2 credit hours)**

6703 Advanced Health Assessment and Clinical Practicum **I** **1** (4 credit hours)

6704 Applied Pathophysiology and Clinical Practicum **II** **2** (4 credit hours)

6705 Pharmacotherapy and Therapeutics

**6706 Nurse Practitioner Roles and Practice Issues**

Either One of: 6800 Adult Advanced Clinical Decision Making **3** (4 credit hours), 6802 Family/All Ages Clinical Decision Making **3** (4 credit hours), or one of: 6803 to 6809 Nursing Specialty Option Courses (4 credit hours)

690X Advanced Clinical Practicum **II** **4** (The integrated practice component will normally consist of a minimum of 400 hours of preceptored specialty clinical practice and biweekly seminars) (12 credit hours)

1. Programs for some candidates may exceed the above minimum requirements.
2. The program for each candidate shall be approved by the Dean of Graduate Studies on the recommendation of the Dean of the School of Nursing.
3. **The maximum time frame from commencement of the first core NP course until program completion shall normally be no longer than 3 years.**

**21.5 Evaluation**

1. In order to continue in graduate studies and in order to qualify for a Master's Degree, a candidate shall obtain an A or B grade in each program course and in both practicum courses.
2. When the Dean of the School of Nursing has determined on the basis of consultation with the candidate, the Associate Dean, Graduate Program and Research, and the thesis or practicum Supervisor, that a candidate has fallen below a satisfactory level, the Dean of the School of Nursing may recommend to the Dean of Graduate Studies that **such a** **the** candidate be required to withdraw from the program.
3. When the Dean of the School of Nursing has determined on the basis of consultation with the candidate and the Associate Dean, Graduate Programs, that a candidate has fallen below a satisfactory level, the Dean of the School of Nursing may recommend to the Dean of Graduate Studies that such a candidate be required to withdraw from the program.

**21.6 Courses**

A selection of the following graduate courses will be offered to meet the requirements of candidates as far as the resources of the School of Nursing will allow.

6010 Research in Nursing: **I:** Quantitative Methods (3 credit hours) ***(Pre or co-requisite: 6012)***

6011 Philosophical and Theoretical Foundations of Nursing

6020 Program Development in Nursing ***(Pre or co-requisite: 6011)***

**6012 Statistics for Advanced Nursing Practice**

6031 Education in Nursing

6100 Research in Nursing: Qualitative Methods *(pre or co-requisite: 6011)*

6221 Population-Based Nursing *(equivalent to 6220 and 6230)*

6240 Nursing Individuals and Families Through Life Transitions ***(pre or co-requisite: 6011)*** *(equivalent to*

 *6200 and 6210)*

6250 Foundations for Advanced Nursing Practice (*This course is a prerequisite for all other courses for*

*students in the practicum option though may be taken as a co-requisite in the first term of the program)*

6251 Writing Skills for Nurse Practitioners (1 credit hour) *(This course is a prerequisite for all other courses*

*for students in the MN-NP option though may be taken as a co-requisite in the first term of the program)*

6310-6350 Special Topics in Nursing

6501-10 Individual Readings and Research in Special Areas

6660 MN Practicum **I** **1** *(prerequisites: All required courses including 6020 or 6031****, and 6240/6221 or 6200/6210 or 6220/6230)***

6661 MN Practicum **II 2**  *(prerequisite***s***:* ***All required courses Including*** *6660 MN Practicum* ***I* 1***)*

**6701 Advanced Practice Issues and Role Development (2 credit hours)**

6703 Advanced Health Assessment and Clinical Practicum **I** **1** (4 credit hours)

6704 Applied Pathophysiology and Clinical Practicum **II** **2** (4 credit hours) ***(pre-requisite: 6703)***

6705 Pharmacotherapy and Therapeutics ***(pre-requisite: 6704)***

**6706 Nurse Practitioner Roles and Practice Issues**

6800 Adult Advanced Clinical Decision Making **3** (4 credit hours) ***(pre-requisite: 6705)***

6802 Family/All Ages Clinical Decision Making **3** (4 credit hours) ***(pre-requisite: 6705)***

One of: 6803 to 6809 Nursing Specialty Option Courses (4 credit hours)

690X Advanced Clinical Practicum **II** **4** (*The integrated practice component will normally consist of a*

*minimum of 400 hours of preceptored specialty clinical practice and biweekly seminars)* (12 credit

hours) ***(pre-requisite: 6800 or 6802)***

1. Music – Calendar Revisions (Master of Music)

 The School of Music is requesting approval of the proposed revisions to the Master of Music program for the addition of a new course 6751, and the addition of prerequisites to existing graduate courses in Music.

 It was moved by Dr. Coady and seconded by Dr. Szutor, that the proposed revisions be approved. The motion

 CARRIED

**20.5 Courses**

A selection of the following graduate courses will be offered to meet the requirements of candidates, as far as the resources of the School will allow. All courses are 3 credit hours unless otherwise indicated.

* 6000 Music Research Methods (1 credit hour)
* 6002 Graduate Seminar (Prerequisite: Music 6000)
* 6005 Performance Practice
* 6006 Instrumental Ensemble Repertoire
* 6007 Choral Repertoire
* 6008 Orchestral Repertoire
* 6009 Music Literature
* 6100 Score Study and Analysis
* 6210 Instrumental Conducting I
* 6211 Instrumental Conducting II (Prerequisite: Music 6210)
* 6212 Instrumental Conducting Internship I (1 to 3 credit hours)
* 6213 Instrumental Conducting Internship II (1 to 3 credit hours)
* 6310 Choral Conducting I
* 6311 Choral Conducting II (Prerequisite: Music 6310)
* 6312 Choral Conducting Internship I (1 to 3 credit hours)
* 6313 Choral Conducting Internship II (1 to 3 credit hours)
* 6400 Music Pedagogy
* 645A/B Principal Applied Study I (6 credit hours)
* 646A/B Secondary Principal Applied Study (4 credit hours)
* 647A/B Principal Applied Study I (6 credit hours)
* 6500 Chamber Music (2 credit hours per semester. Maximum: 8 credit hours)
* 6501 Chamber Music (3 credit hours per semester. Maximum: 12 credit hours)
* 6502 Opera Performance (2 credit hours)
* 6503 Opera Performance
* 6504 Chamber Music (1 credit hour per semester. Maximum: 4 credit hours)
* 6505 Conducted Instrumental Ensemble (1 credit hour per semester. Maximum: 4 credit hours)
* 6510 Seminar in Performance Issues
* 6600 Pedagogy Seminar
* 6610 Pedagogy Internship I
* 6611 Pedagogy Internship II
* 6700 Career Skills for Musicians
* 6701 Music in the Community (1 credit hour. Prerequisite: Music 6700)
* 6702 Music in the Community (2 credit hours. Prerequisite: Music 6700)
* 6703 Music in the Community (Prerequisite: Music 6700)
* 6750 Music Industries Internship (2 credit hours)
* 6751 Music Industries Internship
* 7002 Research Paper
* 7010 World Music: Music of Asia and Oceania
* 7011 World Music: Music of Africa and the Americas
* 7012 Canadian Musical Traditions
* 7013 Music and Culture
* 7017 Folksong
* 7018 Jazz and Blues: The Roots of Popular Music
* 7210 Instrumental Conducting III (Prerequisite: Music 6211)
* 7310 Choral Conducting III (Prerequisite: Music 6311)
* 745A/B Principal Applied Study II (6 credit hours. Prerequisite: Music 645B.)
* 747A/B Principal Applied Study II (6 credit hours. Prerequisite: Music 647B.)
* **Special Topics Courses**
* 6800-6809
* 6900-6909
* 7800-7809
1. Music – Calendar Revisions (PhD Ethnomusicology)

 The School of Music is requesting approval of revisions to the PhD in Ethnomusicology, to remove some courses from the course listing, which requires secondary changes to section 32.13.2.

 It was moved by Dr. Coady and seconded by Dr. Szutor, that the proposed revisions be approved. The motion

 CARRIED

 **32.13.2 Program of Study**

The Ph.D. program may be completed within twelve to fifteen consecutive semesters of full-time study, depending on fieldwork requirements. The Degree is normally taken by completing course work, comprehensive examinations, a language proficiency requirement, and a Ph.D. thesis, defended in accordance with General Regulation [**Theses and Reports**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-0026) of the School of Graduate Studies.

1. Students must complete a minimum of 21 credit hours of course work. If required courses have been completed at the M.A. level, electives may be substituted (with approval of the Interdisciplinary Advisory Committee). The required courses are:
	1. Music 8001; Folklore 6030; and Folklore 7100.
	2. ~~ONE of Music 6002 or Folklore 7100.~~

~~c~~b. Twelve credit hours of electives selected from courses listed below or from relevant courses offered in another discipline (with the approval of the Interdisciplinary Advisory Committee). Ph.D. students may take up to two courses (6 credit hours) in a cognate discipline.

~~d~~c. Reading proficiency in one language other than English, relevant to the research area, demonstrated to the satisfaction of the Interdisciplinary Advisory Committee. The choice of language must be approved by the Interdisciplinary Advisory Committee. The language exam should normally be completed before the comprehensive exams.

~~e~~d. Further courses beyond the minimum number may be required, depending on the background and needs of the student.

**32.13.3 Courses**

* **Theories and Methods:**
* ~~Music 6001 Research Methods~~
* ~~Music 6002 Graduate Seminar~~
* Music 6807 Video Documentary Production (*credit may be received for only one of Music 6807 and Music 7803)*
* Music 7001 Research Problems and Methods in Ethnomusicology
* Music 7803 Radio Documentary Production (*credit may be received for only one of Music 6807 and Music 7803)*
* Music 8001 Theoretical Issues in the Study of Music
* Folklore 6010 Survey of Folklore Genres and Processes
* Folklore 6020 Field and Research Methods
* Folklore 6030 Folklore Theories
* Folklore 6040 Feminist Theories: Perspectives and Issues
* Folklore 6080 Vernacular Theories
* Folklore 6090 Ethnology
* Folklore 7100 Advanced Folkloristics II: Research and Ethnography
1. English – Calendar Revisions – PhD

 The Department of English is requesting approval of the proposed revisions to the Comprehensive Examination, section 32.11.1.7. The comprehensive examination process will no longer be three written examinations; rather, the proposed new process will be two time-limited examinations (one in the thesis area and one in a complementary area), and one oral presentation. This new process allows students to choose from one of two possible examination formats for the complementary area exam.

It was moved by Dr. Coady and seconded by Dr. Farquharson, that the proposed revisions be approved. The motion

 CARRIED

**32.11.1.7.** ~~The Ph.D. Comprehensive Examination in English is a written examination prepared by the candidate’s Comprehensive Examination Committee.  In accordance with General Regulation~~ [**~~Comprehensive Examinations, Ph.D. Comprehensive Examination~~**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-0024#GRAD-0778)~~, the candidate’s Comprehensive Examination Committee will include the Head (or the Head’s delegate, usually the Graduate Co-ordinator), the candidate’s Supervisor, and three other members of the Department.  The written examination shall consist of three parts: a four-hour examination in the student’s area of concentration and two three-hour examinations in two other specified areas. In accordance with General Regulation~~ [**~~Comprehensive Examinations, Ph.D. Comprehensive Examination~~**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-0024#GRAD-0778)~~, the examination shall take place before the end of the seventh semester.  Candidates will be graded “pass with distinction”, “pass”, “re-examination”, or “fail”, in accordance with General Regulation~~ [**~~Comprehensive Examinations, Ph.D. Comprehensive Examination~~**~~, 4.~~](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-0024#GRAD-0778) ~~Candidates who are marked for “re-examination” will be re-examined in the area or areas in which the Comprehensive Examination Committee has determined that the candidate's performance is deficient. The nature of this re-examination (and whether it will be written or oral) is left to the discretion of the Comprehensive Examination Committee.~~

**32.11.1.7.** The Ph.D. Comprehensive Examination in English will have written and oral components, will have two parts, and will be prepared by the candidate’s Comprehensive Examination Committee. The Comprehensive Examination Committee will determine the submission dates for papers and the dates of oral examinations. The Ph.D. Comprehensive Examination in English shall in all circumstances be in accordance with General Regulation [**Comprehensive Examinations, Ph.D. Comprehensive Examination**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-0024#GRAD-0778).

The candidate’s Comprehensive Examination Committee will include the Head (or the Head’s delegate, usually the Graduate Co-ordinator), the Dean of the School of Graduate Studies (or delegate), the candidate’s Supervisor, and three other members of the Department.

The examination shall take place before the end of the seventh semester.

The first part of the examination will be in a complementary area (Complementary Examination) and the candidate will have a choice of either writing an essay in response to questions determined by the Comprehensive Examination Committee or completing a set of assignments related to teaching in the field.

The second part of the examination will be in the candidate’s thesis area (Thesis Area Examination) and will require the candidate to write in response to questions determined by the Comprehensive Examination Committee and that paper will form the basis of a departmental presentation. The Comprehensive Examination Committee will orally examine the candidate about the paper topic and the broader relationship to the thesis area.

All examinations, both written and oral, will comply with Departmental Guidelines.

Candidates will be graded “pass with distinction”, “pass”, “re-examination”, or “fail.” Candidates who are marked for “re-examination” will be re-examined in the area or areas in which the Comprehensive Examination Committee has determined that the candidate's performance is deficient. The nature of this re-examination (and whether it will be written or oral) is left to the discretion of the Comprehensive Examination Committee.

1. M.Phil. Humanities Program

 The Faculty of Arts is requesting approval of the calendar entry which reflects the M.Phil in Humanities program being housed in the Department of Gender Studies. Revisions to section 22 of the University Calendar is required.

 It was moved by Dr. Coady and seconded by Dr. Dyck, that the proposed revisions be approved. The motion

 CARRIED

 **22 Regulations Governing the Degree of Master of Philosophy**

Programs leading to the Degree of Master of Philosophy (M.Phil.) are offered at present in German Language and Literature, and in the Humanities. The degree of M.Phil. in the Humanities is administered by the Director of Studies and is in all respects separate from the M.Phil in German Language and Literature.

**22.1 Qualifications for Admission**

1. Admission is limited and competitive. To be considered for admission an applicant shall hold a Bachelor's Degree or its equivalent from an institution recognized by the Senate and shall have a knowledge of his or her proposed field of specialization satisfactory to the relevant Department~~(s)~~ ~~concerned when interdisciplinary study is intended or~~ (and to the Director ~~Board~~ of Studies in the case of the program in Humanities), and to the Dean.
2. Preference will normally be given to applicants who hold an appropriate Honours Degree either from Memorial University of Newfoundland, or from another university whose Honours Degree is of comparable standing. Any other applicant who holds a Bachelor's Degree or its equivalent will be considered for admission provided that:
	1. the applicant's undergraduate record after the first year shows an average of at least grade B in courses in the proposed field of specialization;
	2. the applicant's overall undergraduate record after the first year shows an average of at least grade B in all courses taken; and
	3. the Department (and ~~or~~ Director ~~Board~~ of Studies, in the case of the program in Humanities) satisfies the Dean that the applicant's work exhibits evidence of academic excellence.

Only in exceptional circumstances, and only on the recommendation of the relevant Department (and ~~or~~ Director ~~Board~~ of Studies, in the case of the program in Humanities), will the Dean consider applicants who do not meet the requirements a. and b. Such applicants, however, must meet the requirement c.

1. An applicant may be required to demonstrate a satisfactory knowledge of the proposed field of study in an examination administered by the relevant Department~~(s)~~, (and ~~or~~ Director ~~Board~~ of Studies, in the case of the program in Humanities).
2. Applicants whose mother tongue is not English are reminded that a high degree of literacy in English is required of students at the University. In most cases instruction is in English, and examinations are to be written in English. (Language departments, however, give instruction in the pertinent language and often require examinations to be written in that language. In addition, other departments may permit and even require examinations to be written in a language other than English).
3. An applicant may be required to pass a qualifying examination.

***Note:***

*Some Departments have particular regulations in addition to these, and applicants are advised to turn to the relevant parts of this Calendar and acquaint themselves with both the*[***General Regulations***](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-0015)*and the regulations of the program in which they are interested.*

**22.2 Program of Study**

1. Every candidate shall read at least 30 credit hours in program courses in one subject or in a combination of closely related subjects as recommended by the relevant Department~~(s)~~ (and ~~or~~ Director ~~Board~~ of Studies, in the case of the program in Humanities), and approved by the Dean.
2. A candidate may be required also to take additional credit hours in program courses, which must be recommended by the relevant Department~~(s)~~ (and ~~or~~ Director ~~Board~~ of Studies, in the case of the program in Humanities), and approved by the Dean.
3. Students registered in the program in Humanities will be required to maintain and submit for evaluation a program Journal (see [**Program of Study, 3. of the Regulations for the Degree of Master of Philosophy in Humanities**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-0211)).
4. No candidate while classified as a part-time student may take more than 6 credit hours in any one semester.
5. No candidate may take more than 9 credit hours in graduate courses in a single semester, nor any credit hours in undergraduate courses at the same time as 9 credit hours in graduate courses; in no case may graduate and undergraduate credit hours combined exceed 12 in any one semester.
6. The course program will culminate in a general comprehensive examination (see [**Evaluation - General Comprehensive Examination**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-1745) below).
7. Every candidate shall be assigned to a tutor recommended by the relevant Department~~(s)~~ (and ~~or~~ Director ~~Board~~ of Studies, in the case of the program in Humanities) and approved by the Dean.
8. The Dean may approve an application to transfer from the M.Phil. to the M.A. or MGS only when a new integrated program, acceptable to the Dean, is submitted.

**22.3 Period of Study**

The period of study for the Master of Philosophy Degree shall not normally exceed three years, during which time the candidate shall spend at least two semesters in full-time attendance as a graduate student at this University.

**22.4 Evaluation**

*See also* [**Evaluation**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-0022) *under* [***General Regulations***](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-0015).

1. Students registered in undergraduate courses shall satisfy examination requirements in these courses.
2. The academic requirements for the Degree of Master of Philosophy shall be met when the candidate has successfully completed all course requirements of the program and has passed a general examination which consists of both written and oral parts. The Dean, on the recommendation of the relevant Department~~(s)~~ (and ~~or~~ Director ~~Board~~ of Studies, in the case of the program in Humanities), shall determine the times and places for general examinations; and, on the recommendation of the relevant Department~~(s)~~ (and ~~or~~ Director ~~Board~~ of Studies, in the case of the program in Humanities), shall appoint examiners, one of whom shall be from outside the Department(s) concerned. In the M.Phil. in Humanities, a program Journal is also required.

**22.5 Evaluation - General Comprehensive Examination**

1. Each candidate must pass a general comprehensive examination.
2. The examination committee shall be appointed by the Dean on the recommendation of the relevant Department~~(s)~~ (and ~~or~~ Director ~~Board~~ of Studies, in the case of the program in Humanities). The committee shall consist of either three or five members, at least one of whom must come from outside the Department(s) concerned. The candidate shall be informed of the names of the committee well before the examination.
3. The candidate and the tutor will normally agree when the candidate may sit the general comprehensive examination. However, the relevant Department~~(s)~~ (and ~~or~~ Director ~~Board~~ of Studies, in the case of the program in Humanities) must accede to the candidate's request to sit a comprehensive examination, except that in no circumstances may a candidate attempt the general comprehensive examination before his or her course program is completed.
4. The schedule for the examination shall be agreed by the candidate, the tutor, and the examining committee, and shall be ~~promulgated~~ communicated by the Dean.
5. The examination shall consist of a written part and an oral part. The time between the written and the oral parts shall normally be from one to four weeks.
6. The oral examination shall be from one to three hours in length, and shall be conducted by the examining committee, and shall be open only to the examination committee and to members of the relevant Department~~(s)~~ (and ~~or~~ Director ~~Board~~ of Studies, in the case of the program in Humanities) ~~only~~.
7. A candidate must satisfy the examining committee in both parts of the examination to obtain a pass.
8. The successful completion of the comprehensive examination is the final academic requirement for the Master of Philosophy Degree.

**22.6 Departmental Regulations**

Every candidate in a graduate program shall comply with any additional program requirements and with the [**General Regulations**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-0015).

1. Medicine – New Courses 6726

 The Faculty of Medicine is requesting approval of the proposed new course MED 6726 entitled Program Development in Public Health, which is to be inserted under section 24.3. Courses’.

 It was moved by Dr. Coady and seconded by Dr. Roebothan, that the proposed revisions be approved. The motion

 CARRIED

1. Medicine – Calendar Revisions

 The Faculty of Medicine is requesting approval of the proposed revisions to sections 17, 24, 28 and 32 of the University Calendar, which is for housekeeping purposes, updating language and correcting errors.

 It was moved by Dr. Coady and seconded by Dr. Doré, that the proposed revisions be approved. The motion

 CARRIED

**28 Regulations Governing the Degree of Master of Science in Medicine**

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

#### Professor and Dean

J. Rourke

The Faculty of Medicine offers the degree of Master of Science in Medicine in eight program areas: Applied Health Services Research, Cancer and Development, Cardiovascular and Renal Sciences, Clinical Epidemiology, Community Health, Human Genetics, Immunology and Infectious Diseases, and Neurosciences. The Faculty of Medicine also offers the degrees of Master of Health Ethics and Master of Public Health. Each program area has a Co-ordinator/Principal who is responsible for communicating the interests of the programs to the Faculty of Medicine Graduate Studies Committee and participates in the admission of graduate students into the program in Medicine.

The Degree of Master of Science in Medicine (in all of the programs excluding the Applied Health Services Research Program) is offered in the Faculty of Medicine to full-time and part-time students. The Applied Health Services Research program is offered by full-time study only. The graduate diploma programs in Community Health and Clinical Epidemiology are offered to full-time and part-time students.

The following regulations will apply in conjunction with the **General Regulations** of the School of Graduate Studies.

# Master of Science in Medicine

## Qualification for Admission

The admission requirements for each of the M.Sc. program areas in Medicine are described under Programs of Study.

## General Program Requirements

1. The program of study for the M.Sc. in Medicine Degree is the responsibility of the Supervisory Committee composed of a Supervisor and at least two other faculty members.
2. It is the responsibility of the supervisory committee to meet regularly (at least annually) with the student and to provide guidance at all stages of the candidate's program. An annual report prepared by the Supervisor and signed by the student and all members of the committee is required to be submitted to the Assistant Dean of Research and Graduate Studies (Medicine).
3. Course requirements are set by each of the program areas and are described under **Programs of Study**.
4. In addition to courses and research, graduate students are expected to participate in Faculty of Medicine seminars and journal clubs.
5. The M.Sc. in Medicine requires the successful completion of a research project and a written thesis.

## Program Areas

### Applied Health Services Research

The Applied Health Services Research program is jointly offered by the University of New Brunswick (UNB), Memorial University of Newfoundland (MUN), and the University of Prince Edward Island (UPEI). Students will be educated in an interdisciplinary environment and will develop a substantive understanding of: the Canadian health system, the conduct of ethical research, critical appraisal, appropriateness of research design for particular policy questions and determinants of health models. They will also gain first-hand exposure in a decision-making/policy environment and learn how to conduct research through completion of a thesis. Access to specific computer software and the Internet is required and will be the responsibility of each student.

#### Administration

* 1. An Advisory Board, consisting of the Deans of Graduate Studies, the Principals from each site, plus student representation as well as health care decision makers and stakeholders from the Atlantic Region will oversee the academic program across the Universities and ensure program integrity.
	2. A Program Management Committee, consisting of the Principals from UNB, Memorial University of Newfoundland, and UPEI will oversee the operation of the program.
	3. At Memorial University of Newfoundland, the program shall be administered through the Office of Research and Graduate Studies (Faculty of Medicine) by a Principal who shall be appointed by the Dean of Graduate Studies on the recommendation of the Dean, Faculty of Medicine.

#### Qualifications for Admission

* 1. Admission is limited and competitive. To be considered for admission to the program, an applicant shall normally have a bachelor's degree with a minimum 75% average (or equivalent) from an institution recognized by the Senate. Normally, students should have completed an undergraduate course in statistics.
	2. Students are normally admitted to the Fall semester (September). The deadline for receipt of applications is March 1. Late applications will only be considered if admissions decisions have not yet been made.

#### Program Requirements

* 1. All students will be required to successfully complete seven core courses, a four-month residency placement and a thesis. In addition, candidates must participate in five conference workshops.
	2. Prior to submission of the thesis to the School of Graduate Studies for examination (see **General Regulation Thesis and Reports**), candidates shall present an open seminar.
	3. Outline of program of study:

#### Outline of Program of Study

|  |  |
| --- | --- |
| **Term** | **Required Courses** |
| **Semester 1**Fall | **Workshop 1**Theme: Orientation to first yearMED 6282MED 6284MED 6286**Workshop 2**Theme: Research Issues and Critical Appraisal |
| **Semester 2**Winter | MED 6288MED 6290**Workshop 3**Theme: Policy and Decision Making |
| **Semester 3**Spring | Residency Placement: All candidates are required to complete a 16-week residency placement. The residency placement is negotiated by the Principal in consultation with the student and governed by the agreements outlined in the Atlantic Regional Training Centre residency manual.**Workshop 4**Theme: Orientation to second year |
| **Semester 4**Fall | MED 6293MED 6294 or MED 6295**Workshop 5**Theme: Communication and Dissemination |
| **Semester 5 & 6**Winter & Spring | Thesis, including public presentation |

* + - 1. **Cancer and Development**

The graduate program in Cancer and Development offers study in fundamental cell and molecular biological areas including viral oncogenesis, growth factors, and oncogenes in developmental models, programmed cell death and drug resistance.

#### Qualifications for Admission

The admission requirements are as given under the **General Regulation**s governing Master's degrees. All courses in the program have as a prerequisite, successful completion of an advanced, upper-level biochemistry, biology or medical course, with an emphasis on molecular biology or medicine.

#### Program Requirements

All students are required to attend, for credit, and participate in the Cancer and Development Journal Club (Cancer, Seminars, MED 6400, 6401, 6402, 6403). One other graduate course (chosen from MED 6580, 6590, 6591, 6340, 6341, or 6342) is required for M.Sc. Medicine students although other courses may be required in individual cases.

### Cardiovascular and Renal Science

The graduate program in Cardiovascular and Renal Sciences enables students to pursue research and academic studies in selected topics including hypertension and stroke, neural and endothelial control of vasculature and blood pressure as well as physiological mechanisms promoting heart failure. ~~The faculty participating in the program consists of basic cardiovascular scientists and renal clinicians. Teaching within the program is integrated with the M.D. program~~.

#### Qualifications for Admission

The admission requirements are as given under the **General Regulations** governing Master's degrees.

#### Program Requirements

Students will be required to take a minimum of two graduate courses. Basic Cardiovascular and Renal Physiology (MED 6140) is required and must be taken within 1.5 years after entry into the program. Students will chose a second course from MED 6141, 6142, 6143, 6144, or 6194 or any other graduate course approved by the student’s supervisory committee.

### Clinical Epidemiology

The program in Clinical Epidemiology is aimed at university graduates intending a career in health services, faculty members seeking advanced training in clinical epidemiology, medical doctors and other health care professionals interested in health ~~care delivery~~ research.

#### Qualifications for Admission

The admission requirements are as given under the **General Regulations** governing Master's degrees. In exceptional circumstances, a professional equivalent qualification will be considered for admission.

#### Program Requirements

* 1. Students are required to take: MED 6262 ~~or MED 6200~~, MED 6250, MED 6255, and MED 6260, plus a minimum of one ~~or more~~ elective. Electives are normally chosen from MED 6095, MED 6263 and MED 6265 or ~~more additional course(s)~~ as recommended by the supervisory committee and approved by the Director or Coordinator. In addition students are required to take the Seminar Series (MED 6400~~-~~, 6401, 6402 and 6403). MED 6250 and MED 6262 are normally completed in the Fall semester. MED 6255 and MED 6260 are normally completed in the Winter semester.
	2. Students are expected to give an oral presentation or course lecture ~~of their thesis research~~ in each year of their program.

### Community Health

The graduate program in Community Health enables students to pursue research and academic studies in selected topics including community health, epidemiology, socio-behavioural health, biostatistics, health services utilization, health policy, and health promotion.

#### Qualifications for Admission

The admission requirements are as given under the **General Regulations** governing Master's degrees. In exceptional circumstances, a professional equivalent qualification will be considered. Students are expected to have successfully completed at

least one basic university-level statistics course.

#### Program Requirements

Students are required to take three core courses: MED 6220, MED 6270, and MED 6280; 2 core stream courses: either the quantitative stream, consisting of MED 6200 and MED 6275 or the qualitative stream, consisting of MED 6294 and MED 6102; and 1 elective; and to attend, for credit, and participate in four semester-length seminar courses (MED 6400-6403).

Graduate students of the Division of Community Health and Humanities may be required to participate in education experiences which occur outside of the St. John’s metropolitan area. Students may be responsible for their own associated transportation and accommodation.

### Human Genetics

The graduate program in human genetics will enable students to pursue academic studies and research in a number of areas of genetics including molecular genetics, genomics, ~~cancer~~ genetics of complex traits, genetic epidemiology, gene mapping, medical genetics, birth defects, and population genetics. Faculty members from all three divisions of the Faculty of Medicine (BioMedical~~asic~~ Sciences, Community Health and Humanities, and the Clinical ~~Sciences~~ Disciplines) participate in the program.

#### Qualifications for Admission

The admission requirements are as given under the General Regulations governing Master's degrees. Applicants with backgrounds in the fields of genetics, biochemistry and biology are preferred.

#### Program Requirements

* 1. Students will be required to complete a minimum of two graduate courses. Within the Human Genetics program the following courses are offered: Human Molecular Genetics (MED 6393), Human Population Genetics (MED 6390), Applied Human Genetics (MED 6392), Cancer Genetics (MED 6394), Genetic Epidemiology (MED 6395) and Selected Topics in Human Genetics (MED 6391). In addition, there are a number of courses in other graduate programs which could be suitable for some students in this program, including Epidemiology I (MED 6270), Molecular Biology of Cancer (MED 6580), Molecular Biology I (MED 6590) and Molecular Biology II (MED 6591). Course selection for each student is determined by their supervisory committee in consultation with the student and is based on the area of study and past course credits.
	2. Students ~~are expected to~~ must also participate in the ~~activities of the genetics group. These include the weekly Journal Club/Research Discussion Group and the~~ Genetics Seminar Series (MED 6400, 6401, 6402, 6403) and are expected to participate in other Discipline of Genetics activities including an annual graduate student research forum.

### Immunology and Infectious Diseases

The Immunology and Infectious Diseases group has an interdisciplinary character and consists of faculty from biomedical science oncology research. The graduate programs are designed to provide individualized training oriented towards basic research and a solid and scientific background in the discipline of immunology and infectious diseases.

#### Qualifications for Admission

The admission requirements are as given under the General Regulations governing Master's degrees. A Bachelor of Science Degree or equivalent is required.

#### Program Requirements

Students in the program are required to take a minimum of two courses. MED 6127 is required and the students will choose a second course from: MED 6119, MED 6128, MED 6580 or any other graduate course approved by the student’s supervisory committee. Some students may be required to take additional courses depending upon their thesis topic. All students are required to attend, for credit, and participate in the Immunology and Infectious Diseases Seminar Series (MED 6400-6403).

### Neurosciences

The Neuroscience Program offers graduate studies in an interdisciplinary setting including faculty from biomedical science within the Faculty of Medicine ~~and Department of Psychology in the Faculty of Science~~. Graduate students may pursue research in a number of specialty areas including the physiological basis of learning and memory, stroke and neuroplasticity, neuroregeneration, signal transduction mechanisms, neuronal circuitry, neuroimmunology, and membrane physiology. ~~The Neuroscience Program is a Chapter of the Society for Neuroscience.~~

#### Qualifications for Admission

The admission requirements are as given under the General Regulations governing Master's degrees. It is expected that the students will have had courses in biochemistry, biology and/or psychology with some exposure to basic university-level statistics.

#### Program Requirements

* 1. Students in the program are required to take Systems Neuroscience (MED 6196) and one other graduate level course. Additional courses may be required based on the recommendation of the supervisory committee.
	2. Students are expected to attend and participate in the activities of the neuroscience group including the weekly seminar and journal club.

# Graduate Diploma

The Faculty of Medicine offers a Graduate Diploma providing an opportunity for professionals and individuals within the health sector to obtain or upgrade their training in Community Health or Clinical Epidemiology.

## Qualifications for Admission

To be admitted into the respective graduate diploma program, a student must be eligible to register as a graduate student, as ~~given~~ described under ~~the~~ **General Regulations** governing **Admission to Graduate Diploma Programs~~M.Sc. degrees~~** (Section 4.1.1). In special circumstances, and upon the recommendation of the Associate Dean of Community Health and Humanities, or Director of Clinical Epidemiology, for their respective program ~~Co-ordinator~~, a suitable combination of training and professional experience relevant to that~~e~~ program may be acceptable for admission.

## Program Requirements

1. Community Health and Humanities

A graduate diploma in Community Health requires successful completion of MED 6220, MED 6270, 3 electives, and 2 semester-length seminar courses (MED 6400, 6401).

1. Clinical Epidemiology

A graduate diploma in Clinical Epidemiology requires successful completion of MED 6262 ~~or MED 6200~~, 6250, and 6255 and the completion of ~~a minimum of~~ two of the Clinical Epidemiology seminar courses: MED~~edicine~~ 6400~~-6403~~ and 6401. ~~Research~~ ~~Seminars for M.Sc. Student I-IV~~. Students are expected to give an oral presentation in the seminar series.

## Graduate Courses

6070 Seminars in Physiological Instrumentation

6075 Human Physiology, Performance and Safety in Extreme Environments (HSPE) 6090-6101 Special Topics

6102 Critical Theory in Health and Society 6103-6119 Special Topics

6127 Immunology I

6128 Immunology II *(prerequisite: Medicine 6127)*

613A/B Advanced Immunological Methods *(same as the former 6130)*

6131-6139 Special Topics

6140 Basic Cardiovascular and Renal Physiology 6141 Cardiovascular/Renal Techniques

6142 Selected Topics in Cardiovascular and Renal Physiology 6143 Cardiovascular Anatomy

6144 Current Concepts in Cardiovascular and Renal Pathophysiology 6180 Structure, Function and Pharmacology of Muscle

6190 General Pharmacology

6192 Pharmacology of Receptors and Receptor Effector Coupling Processes 6193 Advanced Topics in Neuroscience

6194 Advanced Topics in Physiology

6195 Neurobiology of Nervous System Diseases 6196 Systems Neuroscience

6197 Cellular Neuroscience

6198 Neuroanatomy for Graduate Students (accelerated format) 6199 Health Sciences: Writing and Grantsmanship

6200 Biostatistics I *(credit may be obtained for only one of MED 6200 or MED 6262)*

6220 Introduction to Community Health

6225 Health Inequities and the Social Determinants of Health 6250 Basic Clinical Epidemiology

6255 Clinical Research Design

6260 Applied Data Analysis for Clinical Epidemiology

6262 Biostatistics in Clinical Medicine *(credit may be obtained for only one of MED 6200 or MED 6262)*

6263 Conducting and Publishing Systematic Review and Meta-analysis 6265 Genetics and Clinical Epidemiology

6270 Epidemiology I

6274 Chronic Disease Epidemiology 6275 Epidemiology II

6276 Current Topics in Canada's Health Care System

6277 Issues in Northern, Rural and Remote Health in Canada 6278 Advanced Biostatistics for Health Research

6279 Quantitative Methods for Applied Health Research 6280 Community Health Research Methods

6281 Theory and Approaches to Medical Publication 6282 Canadian Health Care System

6284 Research and Evaluation Design and Methods 6286 Ethical Foundations of Applied Health Research 6288 Policy and Decision Making

6290 Determinants of Health: Healthy Public Policy

6292 Qualitative and Quantitative Methods for Health Services Research 6293 Knowledge Transfer and Research Uptake

6294 Advanced Qualitative Methods 6295 Advanced Quantitative Methods 6296 Residency

6297 Theories of Social Justice in Health 6340 Research Topics in Cancer I

6341 Research Topics in Cancer II

6342 Basic Principles of the Pathology of Cancer 6390 Human Population Genetics

6391 Selected Topics in Human Genetics 6392 Applied Human Genetics

6393 Human Molecular Genetics 6394 Cancer Genetics

6395 Genetic Epidemiology

6400 Research Seminars for M.Sc. Students I (one-credit hour) 6401 Research Seminars for M.Sc. Students II (one-credit hour) 6402 Research Seminars for M.Sc. Students III (one-credit hour) 6403 Research Seminars for M.Sc. Students IV (one-credit hour) 6410 Research Seminars for Ph.D. Students I (one-credit hour) 6411 Research Seminars for Ph.D. Students II (one-credit hour) 6412 Research Seminars for Ph.D. Students III (one-credit hour) 6413 Research Seminars for Ph.D. Students IV (one-credit hour)

6420 Medical Science/Social Responsibility in Health Care: Aspects of Medical History *(same as History 6125)*

6580 Molecular Biology of Cancer *(prerequisites: Biology 4241, Biochemistry 4100 [or equivalent])*

6590 Molecular Biology I *(cross-listed as Biology 6590 and credit-restricted with Biochemistry 6590) prerequisites: Biology 4241 (or equivalent)*

6591 Molecular Biology II *(cross-listed as Biology 6591 and credit-restricted with the former Biochemistry 6591) prerequisites: Biology 4241 (or equivalent)*

6900 Medical Geography I - Introduction to Geographic Information Science and Spatial Analysis in Health 6901 Medical Geography II - Geospatial Analysis and Modelling in Health *prerequisite: 6900*

**32 Regulations Governing the Degree of Doctor of Philosophy**

In this and following regulations and notes, "Head" and "Department" shall be understood to mean "Dean or Director" and "Faculty or School" respectively, applying the regulations to a Faculty or School in which there are no Departmental divisions.

Students should consult the General Information and Regulations Governing All Graduate Students for information concerning the Degree of Doctor of Philosophy. For information concerning the number of courses required for specific programs, students should consult the following listing for the appropriate Department.

The degree of Doctor of Philosophy (Ph.D.) is offered in selected areas in Anthropology, Archaeology, Atomic and Molecular Physics, Biochemistry, Biology, Chemistry, Cognitive and Behavioural Ecology, Computer Science, Condensed Matter Physics, Earth Sciences (Geology), Earth Sciences (Geophysics), Education, Engineering, English, Environmental Science, Ethnomusicology, Experimental Psychology, Folklore, Food Science, Geography, History, Interdisciplinary, Linguistics, Management, Marine Biology, Mathematics, Medicine, Pharmacy, Philosophy, Physical Oceanography, Social Work, Sociology, Statistics, and Theoretical Physics.

**32.26 Medicine**

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

**Professor and Dean**

J. Rourke

The Faculty of Medicine offers the degree of Doctor of Philosophy in seven program areas: Cancer and Development, Cardiovascular and Renal Sciences, Clinical Epidemiology, Community Health, Human Genetics, Immunology and Infectious Diseases and Neurosciences. Each program area has a Co-ordinator who is responsible for communicating the interests of the program to the Faculty of Medicine Graduate Studies Committee and participate in the admission of graduate students into the graduate program in Medicine. The Faculty of Medicine also offers the opportunity for students registered in the Doctor of Medicine (M.D.) program to obtain a Ph.D. in a combined and integrated M.D.-Ph.D. program~~.~~

* + 1. **Qualifications for Admission**

The admission requirements for the Ph.D. are as given under the **General Regulations** governing Ph.D. degrees.

* + 1. **Program of Study and Research**
1. The program of study for a Ph.D. Degree is the responsibility of the supervisory committee composed of a Supervisor and at least two other faculty members.
2. It is the responsibility of the supervisory committee to meet regularly (at least annually) with the student and to provide guidance at all stages of the candidate's program. An annual report prepared by the Supervisor and signed by the student and all members of the committee is required to be submitted to the Assistant Dean of Research and Graduate Studies (Medicine).
3. Graduate Students are expected to participate in Faculty of Medicine seminars and journal clubs, for some of the program areas these are available as required courses.
4. Course requirements are set by each of the program areas and are described under Program Requirements. Some supervisory committees may require some students to successfully complete specified course work.
5. Graduate Students in the Ph.D. degree are required to successfully complete the comprehensive examination before the end of the seventh semester. The comprehensive examination consists of both written and oral components and is in accordance with the

**General Regulations** governing Ph.D. degrees.

1. Graduate students in the Ph.D. degree must complete an original piece of research, a written dissertation which must be successfully defended in an oral examination in accordance with the **General Regulations** governing Ph.D. degrees.
	* + 1. **Program Areas**
2. **Cancer and Development**
	1. The graduate program in Cancer and Development offers study in fundamental cell and molecular biological areas including viral oncogenesis, growth factors and oncogenes in developmental models, programmed cell death and drug resistance.
	2. Program Requirements: Students are required to participate in the Seminar Series (MED 6410, 6411, 6412, 6413).
3. **Cardiovascular and Renal Sciences**
	1. The graduate program in Cardiovascular and Renal Sciences enables students to pursue research and academic studies in selected topics including hypertension and stroke, neural and endothelial control of vasculature and blood pressure as well as physiological mechanisms promoting heart failure. ~~The faculty participating in the program consists of basic cardiovascular scientists and renal clinicians. Teaching within the program is integrated with the M.D. program~~.
	2. Program Requirements: Students are required to successfully complete MED 6140 if this course has not been previously taken. Students are required to present their thesis research to the Cardiovascular and Renal Sciences group.
4. **Clinical Epidemiology**
	1. The program in Clinical Epidemiology is aimed at university graduates intending a career in health services, faculty members seeking advanced training in clinical epidemiology, medical doctors, and other health care professionals interested in health ~~care delivery~~ research.
	2. Program Requirements: Students are required to successfully complete ~~all of~~ the following courses if they have not been previously completed: ~~MED 6095~~, MED 6262 ~~or MED 6200~~, MED 6250, MED 6255, and MED 6260 plus a minimum of one elective. Electives are normally chosen from MED 6095, MED 6263 and MED 6265 or as recommended by the supervisory committee and approved by the Director or Co-ordinator. Students are required to take the Ph.D. Seminar Series (MED 6410, MED 6411, MED 6412 and 6413). MED 6250 and MED 6262 are normally completed in the Fall semester. MED 6255 and MED 6260 are normally completed in the Winter semester. The supervisory committee, with the approval of the Director or Co-ordinator, can recommend an alternate program of study. Students are expected to give an oral presentation or course lecture in each year of their program.
5. **Community Health**
	1. The graduate program in Community Health enables students to pursue research and academic studies in selected topics. Students may specialize in one of the following three streams: epidemiology and biostatistics; health services and policy research; or social justice and equity in health.
	2. Program Requirements: Coursework as defined by the Supervisory Committee and this would normally include the Ph.D. Seminar Series (MED 6410, 6411, 6412,-6413).
6. **Human Genetics**
	1. The graduate program in Human Genetics will enable students to pursue academic studies and research in a number of areas of genetics including cancer genetics, genomics, genetics of complex traits, genetic epidemiology, gene mapping, medical genetics, birth defects, and population genetics. Faculty members from all three divisions of the Faculty of Medicine (Biomedical Sciences, Community Health and Clinical Sciences) participate in the program.
	2. Program Requirements: Students are required to take the Genetics Seminar Series (MED 6410, 6411, 6412, 6413).
7. **Immunology and Infectious Diseases**
	1. The Immunology and Infectious Diseases group has an interdisciplinary character and consists of faculty from biomedical science. The graduate programs are designed to provide individualized training oriented towards basic research and a solid scientific background in the discipline of immunology and infectious diseases.
	2. Students are required to successfully complete two courses if they have not been previously completed: MED 6127 is required and the students will choose one course from MED 6114, MED 6119, MED 6128, MED 6580, or any other graduate course approved by the student’s supervisory committee. Some students may be required to take additional courses depending upon their thesis topic. Students are required to attend, for credit, and participate in the Immunology and Infectious Diseases Seminar Program (MED 6410, 6411, 6412, 6413).
8. **Neurosciences**
	1. The Neuroscience Program offers graduate studies in an interdisciplinary setting with the core faculty in the Division of BioMedical Sciences ~~but also including faculty from the Department of Psychology in the Faculty of Science~~. Graduate students may pursue research in a number of specialty areas including the physiological basis of learning and memory, stroke and neuroplasticity, neuroregeneration, signal transduction mechanisms, neuronal circuitry, neuroimmunology, and membrane physiology. ~~The Neuroscience Program is a Chapter of the Society for Neuroscience~~.
	2. Program Requirements: Normally students in the Ph.D. program are required to complete two graduate level courses in Neuroscience, one of which is to be Systems Neuroscience (MED 6196). Course selection is made on the recommendation and advice of the supervisory committee. Students are expected to attend and participate in the activities of the neuroscience group including the weekly seminar and journal club.
		* 1. **Courses**

For a list of courses offered by the Faculty of Medicine refer to **Courses** offered for the Master of Science in Medicine.

[**17 Regulations Governing the Degree of Master of Health Ethics**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-6919)

**17.2 Program of Study**

1. The Master of Health Ethics degree is offered by full or part-time study. Candidates may choose one of three program options: (1) Thesis option, (2) Non-thesis, Capstone Project option, (3) Non-thesis, Research Papers option. It is anticipated that full-time students will complete the program in four semesters in accordance with [**Table 1 Master of Health Ethics Recommended Course Sequence for Full-Time Students**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-6926#GRAD-6942).
2. The program of study is the responsibility of the Supervisory Committee composed of a Supervisor and at least two other faculty members. It is the responsibility of the Supervisory Committee to meet regularly (at least annually) with the student and to provide guidance at all stages of the candidate’s program. An annual report prepared by the Supervisor and signed by the student and all members of the Committee is required to be submitted to the Assistant Dean of Research and Graduate Studies (Medicine).
3. All candidates must complete the following course requirements:
	1. MED 6800, MED 6801, and MED ~~6808~~ 6806
	2. 3 elective courses (9 credit hours) chosen in consultation with the Supervisor. Elective courses may be selected from the elective courses listing below (excluding MED 6820, 6821, 6822, and 6825) or from other courses approved by the Supervisor.
4. In addition, all candidates must complete a Health Ethics Practicum (MED 6815). The practicum will include three placements during the semester in which it is taken, one in each of the following areas of health ethics: clinical ethics, research ethics, and health ethics policy. Each placement will be approximately four weeks in length and students will be required to devote a minimum of 40 hours in overall placement activities. All course work identified above must be completed prior to initiation of the practicum.
5. Students must also complete one of the following in accordance with the program option to which they have been admitted:
	1. A thesis, submitted in accordance with the [**General Regulations, Thesis and Reports**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-0026) of the School of Graduate Studies.
	2. Three Health Ethics Research Papers (represented as MED 6820). Research topics will be chosen in consultation with, and approved by, the Supervisor. Students must register for the course MED 6820 in every semester during which they are completing one or more of the Research Papers necessary to satisfy this requirement. A grade of NC (No Credit) will be awarded in all semesters prior to the final semester. A grade of ‘B’ or better is required in each of the three required Research Papers in order to successfully complete this requirement and receive a grade of ‘Pass’ in the final semester. Each paper will be evaluated by the supervising faculty member and another faculty member qualified to evaluate the work.
	3. A Health Ethics Capstone Project (MED 6825). The Capstone Project will be chosen in consultation with, and approved by, the Supervisor. Students must register for the course MED 6825 in every semester during which they are completing the Capstone Project. A grade of NC (No Credit) will be awarded in all semesters prior to the final semester. The completed Capstone Project will be evaluated by the supervising faculty member along with a representative of the external organization for which the project was undertaken.

**Table 1 Master of Health Ethics Recommended Course Sequence for Full-Time Students**

|  |  |
| --- | --- |
| **Semester** | **Courses** |
| **Fall** | * MED ~~6808~~ 6806 Introduction to the Canadian Health System
* MED 6801 Important Cases in Health Ethics
* Elective Course
 |
| **Winter** | * MED 6800 Health Ethics Theory
* Elective Course
* Elective Course
 |
| **Spring and Fall** | MED 6815 Health Ethics Practicum, and one of the following:* MED 6820 Health Ethics Research Papers
* MED 6825 Health Ethics Capstone Project
* Thesis
 |

[**17 Regulations Governing the Degree of Master of Health Ethics**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-6919)

**17.3 Courses**

A selection of the following graduate courses shall be offered to meet the requirements of students, as far as the resources of the Faculty allow.

* MED 6800 Health Ethics Theory
* MED 6801 Important Cases in Health Ethics
* MED 6803 Research Ethics
* MED 6804 Public Health Ethics
* MED 6806 Introduction to the Canadian Health System
* MED 6807-6814 Special Topics in Health Ethics ~~(excluding MED 6808)~~
* ~~MED 6808 Introduction to the Canadian Health System~~
* MED 6815 Health Ethics Practicum
* MED 6820 Health Ethics Research Paper
* MED 6825 Health Ethics Capstone Project

**24.2 Program of Study**

**24.2.2 Nutrition and Dietetics**

1. Minimum requirements for the M.P.H. degree in Nutrition and Dietetics will include the successful completion of the following:
	1. Six core courses: ~~Public Health Leadership and Management (MED 6725)~~, Policy and Decision Making (MED 6288), Epidemiology I (MED 6270), Community Health Research Methods (MED 6280), Biostatistics I (MED 6200), Community Nutrition (MED 6731), Professional Practice (MED 6730)
	2. The Public Health Seminar Series courses (MED 6700, 6701)
	3. The Dietetics Research Project (MED 671A/B)
	4. The Dietetics Internship (MED 6733 – 6736). The Dietetics Internship is a practice experience conducted in a work setting and following the guidelines set forth by the Dietitians of Canada.

Dietetics Internship I & II (MED 6733 & 6734) are non-credit, mandatory, part-time internship components completed during the first and second academic semesters of the program in accordance with [**Table II – Master of Public Health Recommended Course Sequence for Full-Time Students in the Nutrition and Dietetics Specialization**](http://www.mun.ca/regoff/calendar/sectionNo%3DGRAD-4004#GRAD-5693). A grade of NC (No credit) will be awarded for these two internship components.

Building on the components of Dietetics Internship I & II, Dietetics Internship III & IV (MED 6735 & 6736) are full-time internship blocks each of which will normally extend beyond the regular semester timeframe. Evaluation of the internship blocks will be on a PASS/FAIL basis.

All core courses and seminars must be completed prior to the initiation of the Dietetics Internship III (MED 6735) and/or the Dietetics Research Project (MED 671A/B).

**Table II – Master of Public Health Recommended Course Sequence for Full-Time Students in the Nutrition and Dietetics Specialization**

|  |  |
| --- | --- |
| **Semester**  | **Courses**  |
| **Fall**  | * 6270 Epidemiology I
* 6280 Community Health Research Methods
* 6288 Policy and Decision Making
* 6700 Public Health Seminar Series I
* 6733 Dietetics Internship I
 |
| **Winter**  | * 6200 Biostatistics I
* 6731 Community Nutrition
* 6730 Professional Practice
* 6701 Public Health Seminar Series II
* 6734 Dietetics Internship II
 |
| **Spring**  | 671A Dietetics Research Project  |
| **Fall**  | 671B Dietetics Research Project  |
| **Winter**  | 6735 Dietetics Internship III  |
| **Spring**  | 6736 Dietetics Internship IV  |

Click Course Number for Information

No course Data.

1. ANY OTHER BUSINESS

1. NOTICE OF MOTION
2. ADJOURNMENT

 The meeting adjourned 4:16 p.m.

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Faye Murrin, Dean *pro tempore*