



MEMORIAL UNIVERSITY OF NEWFOUNDLAND SENATE

The regular meeting of Senate was held on September 10, 2002, at 4:00 p.m. in Room E5004, Education Building.

1. PRESENT

Dr. E. Simpson (Acting Chair), Dr. C. Loomis, Professor A. Fowler, Interim Dean A. Collins, Dr. S. Birnie-Lefcovitch, Dr. J. Black for Dean D. Graham, Dean G. Gorman, Dean I. Bowmer, Mr. G. Collins, Dr. T. Gordon, Dr. C. Higgs, Interim Dean C. Jablonski, Dean R. Lucas, Dr. C. Orchard, Mr. L. O'Reilly, Interim Dean M. Haddara, Dean L. Walker, Ms. D. Whalen, Dr. R. Adamec, Dr. S. Algoo-Baksh, Dr. J. Ashton, Professor P. Ayres, Dr. M. Brosnan, Dr. D. Buell, Dr. C. Couturier, Mr. C. Dennis, Mr. E. Durnford, Dr. J. Evans, Dr. J. Harris, Dr. M. Kara, Professor V. Kuester, Ms. K. Lippold, Dr. D. McKay, Dr. M. Mulligan, Dr. M. Murray, Dr. F. Murrin, Dr. S. Peters, Dr. H. Pike, Ms. D. Rehner, Dr. C. Sharpe, Dr. K. St. John, Dr. D. Thompson, Dr. D. Treslan, Professor D. Walsh, Dr. B. Watson, Dr. M. Wernerheim, Dr. P. Wilson, Dr. S. Wolinetz, Ms. S. Allen, Ms. R. Vernescu, Mr. S. Sullivan, Ms. G. Bell, Mr. M. Byrne, Mr. T. Duggan, Mr. A. Kennedy, Ms. C. Powell, Mr. G. Salam, Mr. M. Spencer.

The Acting Chair opened the meeting by welcoming Senators back for the first meeting of Senate for the Fall Semester. He extended a special welcome to the following new ex-officio members as well as to the following newly elected and re-elected Senators:

Dean Gary Gorman	Business Administration
Dean David Graham	Arts
Interim Dean Mahmoud Haddara	Engineering & Applied Science
Dr. John Quaicoe	Engineering & Applied Science
Mr. Peter Ayres	Humanities
Dr. Stella Algoo-Baksh	Humanities
Dr. William Schipper	Humanities
Dr. June Harris	Medicine
Dr. Donald McKay	Medicine
Dr. Sharon Peters	Medicine
Dr. Kimberly St. John	Medicine
Dr. Donald Buell	Music
Dr. Robert Adamec	Science
Dr. Martin Mulligan	Science
Dr. Faye Murrin	Science
Dr. Donald Rideout	Science
Dr. Fereidoon Shahidi	Science
Dr. James Wright	Science
Dr. John Ashton	Sir Wilfred Grenfell College
Dr. Paul Wilson	Sir Wilfred Grenfell College

Dr. Christopher Sharpe
Dr. Steven Wolinetz
Mr. Matthew Byrne

Social Sciences
Social Sciences
Undergraduate Student

2. APOLOGIES FOR ABSENCE

Apologies were received from the President, Dr. R. Gosine, Dr. D. Kimberley, Dr. D. Neville, Dr. D. Rideout, Dr. F. Shahidi, Dr. J. Wright, Mr. M. Penney.

3. MINUTES

The Minutes of the regular meeting held on May 14, 2002 , were taken as read and confirmed noting on p.268 that the motion to approve the appointments to standing Committees was approved and adding the Director, Center for Institutional Analysis and Planning to the membership of the Committee on Course Evaluations. These amendments have been incorporated into the original copy of the May 14, 2002 minutes.

4. Report of the Senate Committee on Undergraduate Studies

4.1 School of Pharmacy

Page 364, 2002-2003 Calendar, under the heading Regulations, subheading Evaluation and Promotion, immediately following clause 6)a) insert the following new paragraph:

"A student who repeats a year, will normally be required to repeat all courses in which a grade of less than 65 was obtained on the first attempt. In the case of Pharmacy 3004 (Professional Practice) a student will be required to repeat the course if a grade of less than 70 was obtained on the first attempt."

4.2 School of Music

New Course:

Music 3272. Harpsichord Techniques. (1 credit hour.) One hour per week. Practical study in a class situation of the basic techniques of playing the harpsichord. Open only to students whose principal applied study is piano or organ. Others by permission of the instructor.

4.3 Sir Wilfred Grenfell College

It was agreed that approval be granted to pilot the following changes during the 2002-2003 Academic Year.

Page 115, 2002-2003 Calendar, amend the course description for 1090. Algebra and Trigonometry (F)(W) to read as follows:

"...and rational functions. Three hours of lecture and a three hour laboratory period per week."

Page 115, 2002-2003 Calendar, for the course descriptions of 1000. Calculus I., 1050. Finite Mathematics I., and

1051. Finite Mathematics II., delete:

"Four hours per week."

Replace with:

"Three hours of lecture per week and a one and one-half hour laboratory period per week."

4.4 Bachelor of Nursing (Collaborative) Degree Program Fast-Track Option

Page 354, 2002-2003 Calendar, immediately preceding the heading Bachelor of Nursing (Post RN) Program, insert the following new program:

"REGULATIONS FOR THE BACHELOR OF NURSING (COLLABORATIVE) PROGRAM FAST-TRACK OPTION

The BN (Collaborative) Program Fast-Track Option is offered at Memorial University of Newfoundland School of Nursing, and Western Regional School of Nursing.

ADMISSION

1) Applicants for admission or re-admission must complete an application for the Bachelor of Nursing (Collaborative) Program and request the Fast -Track Option. In addition, students who have not registered for courses at Memorial University for either of the two immediately preceding semesters must also complete a general application for admission to the University. Applications must be submitted to the Office of the Registrar, Memorial University.

2) New applicants to the BN (Collaborative) Program Fast-Track Option will be accepted for the Fall semester only. DEADLINE:

Applications, including all required documents, must be received by March 1.

3) To be considered for admission to the BN (Collaborative) Program Fast-Track Option applicants must

i.) have completed a bachelor degree from a recognized university AND meet the General Admissions Requirements of Memorial University B1, and B6. An applicant with a bachelor degree must also demonstrate successful completion of the following courses prior to admission:

Statistics 2500 or equivalent, or Education 2900 Biochemistry 1430 [or equivalent] Biology 3053 [or equivalent]

OR

ii.) qualify for advanced standing. An applicant who has successfully completed all non-nursing course requirements of the BN (Collaborative) Program, and is in good standing may qualify for advanced standing. Applicants must demonstrate successful completion of the following courses (39 credit hours) prior to admission:

- a) Six credit hours from English
- b) Biochemistry 1430 [or equivalent]
- c) Biology 3053 [or equivalent]
- d) Psychology 1000 [or equivalent]
- e) Statistics 2500 or equivalent, or Education 2900

AND

Three credit hours from each of the following:

- a) Business
- b) Philosophy 2800 to 2810 series or Religious Studies 2610
- c) Political Science
- d) Sociology/Anthropology

AND

Additional Elective Credit Hours (9) selected from any credit courses within the university.

- 4) Admission to the Bachelor of Nursing (Collaborative) Fast-Track Program is on the basis of competition for a limited number of places. Selection of candidates will be based on:
 - a) academic performance:
 - i.) applicants who have completed a bachelor degree must have a minimum GPA of 3.0 (on a 4 point scale) in their degree program.
 - ii) applicants for advanced standing must have a minimum overall GPA of 3.0 (on a 4 point scale) AND a minimum GPA of 3.0 (on a 4 point scale) in the courses (39 credit hours) required for admission (see 3.ii above)
 - b) evidence of ability to successfully maintain a full course load.
 - c) other criteria considered suitable for professional practice in nursing.

Admission to the program is denied to any student if, in the judgement of the Joint Admissions Committee, s/he is deemed unsuitable for admission. Priority will be given to degree holders and residents of the province.
- 5) Applicants may be requested to attend an interview.
- 6) Applicants must provide two letters of reference.
- 7) Applicants must satisfy the health and immunization requirements for admission to the Bachelor of Nursing (Collaborative) Program.
- 8) Proof of certification in Standard First Aid and Basic Cardiac Life Support, offered by the Canadian Red Cross Society or St. John Ambulance Association, is required to be submitted prior to entry into the program. Certification obtained from other organizations will be accepted if deemed equivalent by the Schools of Nursing.

- 9) An unsuccessful applicant has the right to appeal the decision of the Admissions Committee. The appeal should be made in writing clearly stating the grounds for the appeal within fourteen days of the notification of the decision and should be directed to the Chair, MUN School of Nursing, Undergraduate Studies Committee.

ACADEMIC STANDARDS AND PROMOTIONS

- 1) The Memorial University School of Nursing constitutes the examining body for all School of Nursing examinations. The standing of every student will be assessed at the end of each academic semester by the Undergraduate Studies Committee, and a grade report will be issued by the Registrar of Memorial University of Newfoundland to the individual student.
- 2) Students are required to achieve a grade of at least 65% or a grade of PAS as appropriate in each of the required nursing courses.
- 3) A student may be required to withdraw from a nursing course with a clinical component or from the program at any time, on the recommendation of the Undergraduate Studies Committee, if the student is deemed unlikely to profit from continued attendance in the nursing course or program and/or is deemed unsafe in a clinical setting.
- 4) Students failing to achieve the requirements outlined in Clause 2 or who are required to withdraw from a nursing course under Clause 3 must withdraw from the BN (Collaborative) Program Fast-Track Option. They may be allowed, with special permission from the Directors, to resume their studies within the regular stream of the BN (Collaborative) program and are subject to all its academic standards. Accordingly, invoking this clause carries over to the BN (Collaborative) program as a first failure in the relevant course(s).
- 5) Students who voluntarily withdraw from the program must notify the Director, and may be required to apply in competition for readmission after the lapse of two semesters.
- 6) Students appealing matters such as admission, readmission, examinations and promotion must make their appeal in writing, clearly stating the basis of the appeal, to the Chair, Undergraduate Studies Committee. Appeals cannot be made on the basis of grades awarded in individual courses, as the student will normally have had the opportunity of contesting a grade after notification.

PROGRAM OF STUDIES : BACHELOR OF NURSING (COLLABORATIVE) PROGRAM FAST-TRACK OPTION

Courses in the BN (Collaborative) Program Fast-Track Option are taken in the sequence identified in the table - Sequencing of Courses, Bachelor of Nursing (Collaborative) Program Fast -Track Option.

PROGRAM REQUIREMENTS FOR DEGREE HOLDERS

One hundred and two credit hours are required for the completion of the degree. The required credit hours are as follows:

Program Pre-requisites (9 Credit Hours)

- a) Biochemistry 1430 [or equivalent]
- b) Biology 3053 [or equivalent]
- c) Statistics 2500 or equivalent, or Education 2900

Nursing Credit Hours (93)

1001, 1002, 1003, 1011, 1012, 1014, 1511, 1520, 2001, 2003, 2004, 2011, 2013, 2501, 2511, 2520, 3001, 3111, 3113, 3501, 3511, 3520, 3521, 3522, 4101, 4103, 4104, 4110, 4501, 4512, 4513.

PROGRAM REQUIREMENTS FOR STUDENTS ADMITTED WITH ADVANCED STANDING

One hundred thirty two credit hours are required for the completion of the degree. The required credit hours are as follows:

Program Pre-requisites (39 Credit Hours)

Required Credit Hours (18)

- a) Six credit hours from English
- b) Biochemistry 1430 [or equivalent]
- c) Biology 3053 [or equivalent]
- d) Psychology 1000
- e) Statistics 2500 or equivalent, or Education 2900

Elective Credit Hours (12)

Three credit hours from each of the following

- a) Business
- b) Philosophy 2800 to 2810 series or Religious Studies 2610
- c) Political Science
- d) Sociology/Anthropology

Additional Elective Credit Hours (9)

- Any credit courses within the university.

Nursing Credit Hours (93)

1001, 1002, 1003, 1011, 1012, 1014, 1511, 1520, 2001, 2003, 2004, 2011, 2013, 2501, 2511, 2520, 3001, 3111, 3113, 3501, 3511, 3520, 3521, 3522, 4101, 4103, 4104, 4110, 4501, 4512, 4513.

REGISTRATION EXAMINATIONS

To meet the licensing requirements for practising nursing in Canada, students must write the licensure examination from the Canadian Registered Nurse Examination (CRNE).

To be eligible to write the registered nurse licensure examination, candidates must graduate from an approved School of Nursing and be recommended by the School of Nursing.

In order to be recommended for the registered nurse licensure examination, a student must complete a comprehensive examination set by the Bachelor of Nursing (Collaborative) Program Fast-Track Option. The comprehensive examination may be in the form of a commercial examination, eg. Mosby Assess Test or NLN exam. The cost of commercial examinations shall be the responsibility of the student.

(Please note that the following table contains slight revisions from the original table submitted to Senate).

BN (Collaborative) Program Fast-Track Option Sequencing of Courses

YEARFALL	WINTER	SPRING	ANNUAL HOURS	
1	N1001 Introduction to Nursing (Lab/Clinical) N1003 Developing Therapeutic Relations (Lab) N1002 Anatomy & Physiology I (Lab) *N1011 Health Promotion throughout the Lifespan (Lab) *N2013 Professional Development	N1012 Anatomy & Physiology II (Lab) N1014 Health Assessment (Lab) N1511 Nursing Practice for Health Promotion *N2003 Pathophysiology *N2004 Pharmacology & Nutrition (Lab) N1520 Extended Practice I (3 wks)	*N2001 Nursing Concepts for the Care of Women & the Childbearing Family (Lab) *N2501 Nursing Practice for the Care of Women & the Childbearing Family *N2011 Nursing Concepts for Children, Adolescents & Young Adults (Lab) *N2511 Nursing Practice with Children, Adolescents & Young Adults *N2520 Extended Practice II	
			N.B. N2001 and N2501 run over 1st 6 wks and N2011 & N2511 run over 2nd 6 wks	
2	**N3111 Nursing Concepts for Middle & Older Adulthood (Lab) **N3511 Nursing Practice with Middle & Older Adults N4103 Advanced Professional Development N4104 Nursing Research *N3113 Nursing Leadership & Management	*N3001 Nursing Concepts for Mental Health (Lab) *N3501 Nursing Practice for Mental Health *N4101 Community Health Nursing (Lab) N4512 Community Health Practicum *N4501 Community Health Nursing	N3520/21/22 Extended Practice III (12 wks) *N4513 Nursing Practice Elective (4 wks) *N4110 Senior Seminar (2 wks)	

*courses are offered outside of normal sequence in the BN (Collaborative) Program

**courses offered in opposite semesters at two sites."

4.5 Marine Institute - Bachelor of Technology Degree Program

Page 84, 2002-2003 Calendar, under the heading Course List, delete the entry for Technology 4020. Economic Management for Technologists., and replace with the following:

"Introduction to economics of technological projects, mathematics of money, cost composition, project evaluation and cost comparison, project analysis and decisions, project selection and sensitivity analysis.

Prerequisite: Admission to the Bachelor of Technology or Bachelor of Maritime Studies Program.

NOTE: Students may not receive credit for both Engineering 4102 and Technology 4020.

New Course:

Technology 4030. Technology in the Human Context. Technology in the historical context, technology in the modern era, human insights, innovation, development and technology transfer, towards a technology value system, ethics and professionalism.

Prerequisite: Admission to the Bachelor of Technology or Bachelor of Maritime Studies Program.

It was also agreed to approve the addition of Technology 4030 to the list of Group B electives for the Bachelor of Technology program for one year only pending the outcome of the review of the Bachelor of Technology degree program.

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

5.1 Regulation B.3.b) governing the Degree of Master of Education

Page 473, 2002-2003 Calendar, following the heading Regulations Governing the Degree of Master of Education, subheading B) Program of Study, delete clause 3. b) in its entirety.

5.2 Regulation B.3.a) governing the Degree of Master of Education

Page 473, 2002-2003 Calendar, following the heading Regulations Governing the Degree of Master of Education, subheading B) Program of Study, delete clause 3. a) in its entirety and replace with the following:

"3. Students who are designated full-time are advised to enroll in a maximum of 12 credit hours in a semester; students who are part-time are advised to register for no more than 3 credit hours in a semester or session."

5.3 Regulation H.1 governing the Master of Education - Educational Leadership Studies

Page 473, 2002-2003 Calendar, following the heading H) Specific Programs, subheading 1. Educational Leadership Studies, delete the following clause under a) Admission Requirements:

"i) students must have completed an undergraduate course in statistics (E2900 or the equivalent)."

Re-number existing clauses.

5.4 Faculty of Medicine

New Courses:

6282. Canadian Health Care System (3 credit hours)

6284. Research and Evaluation Design and Methods. (3 credit hours)

6286. Ethical Foundations of Applied Health Research. (3 credit hours)

6290. Determinants of Health: Healthy Public Policy. (3 credit hours)

5.5 Faculty of Medicine

Page 499, 2002-2003 Calendar, immediately following the heading Medicine, delete the entry in its entirety and replace with the following:

Professor of Medicine and Dean

M. Ian Bowmer

Professor and Assistant Dean

F. Moody-Corbett

There are seven program areas in the Faculty of Medicine: Cancer, Cardiovascular and Renal Sciences, Clinical Epidemiology, Community Health, Human Genetics, Immunology and Neurosciences. Each program area has a coordinator who is responsible to communicate the interests of the programs to the Faculty of Medicine Graduate Studies Committee and participate in the admission of graduate students into the graduate program in Medicine.

The degree of Master of Science (in one of the seven programs listed above) and Graduate Diplomas in Community Health and Clinical Epidemiology Research are offered in the Faculty of Medicine to full-time and part-time students.

MASTER OF SCIENCE

Admission Requirements

The admission requirements for the graduate program in Medicine are as given under the General Regulations governing M.Sc. degrees.

Degree Requirements

1. The program of study for the M.Sc. 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 areas of specialization with a minimum of six credit hours required.

4. In addition to courses and research, graduate students are expected to participate in Faculty of Medicine seminars and journal clubs.

GRADUATE DIPLOMA

The Division of Community Health in the Faculty of Medicine offers an opportunity for professionals and individuals within the health sector to obtain or upgrade their training in Community Health or Clinical Epidemiology. The Division offers a Diploma with two streams: Community Health and Clinical Epidemiology Research.

Admission Requirements

To be admitted to the diploma program a student must be eligible to register as a graduate student, as given under the General Regulations governing M.Sc. degrees. In special circumstances, and upon the recommendation of the Community Health or Clinical Epidemiology Coordinator, a suitable combination of training and professional experience relevant to the program may be acceptable for admission.

Degree Requirements

1. A diploma in Community Health requires successful completion of the following three courses: 6200, 6220 and 6270.

2. A diploma in Clinical Epidemiological Research requires successful completion of the following three courses: 6200, 6250 and 6270.

COURSES

In accordance with Senate's *Policy Regarding Inactive Courses*, courses which have not been offered in the previous three academic years and which are not scheduled to be offered in the current academic year have been removed from the following listing. For information about any of these inactive courses, please contact the Dean of the Faculty.

6070. Seminars in Physiological Instrumentation

6110-19. Special Topics

6127. Immunology I

6128. Immunology II (Prerequisite Medicine 6127)

6130. Advanced Immunological Methods

- 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
- 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
- 6200. Biostatistics I
- 6220. Introduction to Community Health
- 6250. Basic Clinical Epidemiology
- 6255. Clinical Research Design
- 6260. Applied Data Analysis for Clinical Epidemiology
- 6270. Epidemiology I
- 6280. Community Health Research Methods
- 6282. Canadian Health Care System
- 6284. Research and Evaluation Design and Methods
- 6286. Ethical Foundations of Applied Health Research
- 6290. Determinants of Health: Healthy Public Policy
- 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
- 6400* Research Seminars for M.Sc. Students I
- 6401* Research Seminars for M.Sc. Students II
- 6402* Research Seminars for M.Sc. Students III
- 6403* Research Seminars for M.Sc. Students IV
- 6410* Research Seminars for Ph.D. Students I
- 6411* Research Seminars for Ph.D. Students II
- 6412* Research Seminars for Ph.D. Students III
- 6413* Research Seminars for Ph.D. Students IV
- 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 Biochemistry 6590* (Prerequisites: Biology 4241, Biochemistry 4100 [or equivalent])
- 6591. Molecular Biology II - *Cross listed as Biology 6591 and Biochemistry 6591* (Prerequisites: Biology 4241, Biochemistry 4100 [or equivalent])

*A one-credit hour course."

Page 518, 2002-2003 Calendar, following the heading Medicine, delete the entry in its entirety and replace with the

following:

Professor of Medicine and Dean

M. Ian Bowmer

Professor and Assistant Dean

F. Moody-Corbett

There are seven program areas in the Faculty of Medicine: Cancer, Cardiovascular and Renal Sciences, Clinical Epidemiology, Community Health, Human Genetics, Immunology and Neurosciences. Each program area has a coordinator who is responsible to communicate 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 degree of Doctor of Philosophy (in one of the seven programs listed above) is offered in the Faculty of Medicine by full-time and part-time study. The Faculty of Medicine also offers the opportunity for students registered in the M.D. program to obtain a Ph.D. in a combined and integrated M.D.-Ph.D. program.

DOCTOR OF PHILOSOPHY

Admission Requirements

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

Degree Requirements

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.
4. Graduate students in the Ph.D. degree normally take the comprehensive examination before the end of the seventh semester. The comprehensive examination consists of both a written and oral component and is in accordance with the General Regulations governing Ph.D. degrees.

M.D.-Ph.D PROGRAM

The M.D.-Ph.D. program is available to highly motivated students with an excellent academic record who are interested in a research career in academic medicine and wish to receive both of these degrees from the Faculty of

Medicine.

The purpose of the M.D.-Ph.D. program is to provide medical education, including clinical skills, and training in health research. The integrated program is designed to increase the efficiency of obtaining both degrees, and the student is required to fulfill the complete requirements of both the M.D. and Ph.D. degrees.

Admission Requirements

To be admitted into the M.D.-Ph.D. program, students must meet the admission requirements of both the M.D. and Ph.D. programs.

Degree Requirements

1. Students are jointly enrolled in the M.D. program and the Ph.D. program that will be overseen by the Assistant Dean of Undergraduate Medical Education and the Assistant Dean of Research and Graduate Studies.
2. Normally, students successfully complete the pre-clerkship phase of the M.D. program and then enter the M.D.-Ph.D. program full-time.
3. Normally, students will complete the requirements for the Ph.D. degree before resuming full-time M.D. studies.
4. The program of study for the Ph.D. is described in the preceding section and follows the General Regulations governing the Ph.D. degree.
5. The program of study for the M.D. follows the General Regulations governing the M.D. degree.
6. During the Ph.D. training students are expected to maintain clinical skills by arrangement with the Assistant Dean Undergraduate Medical Education and Assistant Dean of Research and Graduate Studies. Before resuming full-time studies in the clerkship phase of the M.D. program, students will be required to demonstrate competency in clinical skills.
7. During the M.D.-Ph.D. program (including the clerkship phase) students are expected to participate in Faculty of Medicine seminars and journal clubs in their area of research specialization.

COURSES

In accordance with Senate's *Policy Regarding Inactive Courses*, courses which have not been offered in the previous three academic years and which are not scheduled to be offered in the current academic year have been removed from the following listing. For information about any of these inactive courses, please contact the Dean of the Faculty.

- 6070. Seminars in Physiological Instrumentation
- 6110-19. Special Topics
- 6127. Immunology I
- 6128. Immunology II (Prerequisite Medicine 6127)
- 6130. Advanced Immunological Methods

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
 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
 6200. Biostatistics I
 6220. Introduction to Community Health
 6250. Basic Clinical Epidemiology
 6255. Clinical Research Design
 6260. Applied Data Analysis for Clinical Epidemiology
 6270. Epidemiology I
 6280. Community Health Research Methods
 6282. Canadian Health Care System
 6284. Research and Evaluation Design and Methods
 6286. Ethical Foundations of Applied Health Research
 6290. Determinants of Health: Healthy Public Policy
 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
 6400* Research Seminars for M.Sc. Students I
 6401* Research Seminars for M.Sc. Students II
 6402* Research Seminars for M.Sc. Students III
 6403* Research Seminars for M.Sc. Students IV
 6410* Research Seminars for Ph.D. Students I
 6411* Research Seminars for Ph.D. Students II
 6412* Research Seminars for Ph.D. Students III
 6413* Research Seminars for Ph.D. Students IV
 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 Biochemistry 6590* (Prerequisites: Biology 4241, Biochemistry 4100 [or equivalent])
 6591. Molecular Biology II - *Cross listed as Biology 6591 and Biochemistry 6591* (Prerequisites: Biology 4241, Biochemistry 4100 [or equivalent])

*A one-credit hour course."

5.6 New Diploma in Post Secondary Studies (Health Professional Education)

New Course:

6806. Interprofessional Education in the Health Professions. (3 credit hours)

Page 476, 2002-2003 Calendar, immediately following the heading 4. Post-Secondary Studies, delete the entry in its entirety and replace with the following:

"The graduate programs in Post-Secondary Studies are designed to prepare candidates to function in a variety of roles in informal and formal post-secondary learning environments (including academic, technical, professional, adult education, health professional education, and student services/development). These programs facilitate a study of the post-secondary educational systems through an examination of their foundations, directions, organization and administration; and through curriculum and instructional development options for occupational preparation and adult education.

a) ADMISSION REQUIREMENTS

In addition to meeting the requirements in the general degree regulations,

- i) candidates must have completed an undergraduate course statistics (E2900) adult learning (E2801), and post-secondary education (E2720), or have accumulated the equivalent experiences in each of the above three areas as approved by the Head of the Academic Unit;
- ii) two years of successful experience in working with adult learners is recommended;
- iii) and for the Graduate Diploma in Post-Secondary Studies (Health Professional Education) program, candidates must have appropriate academic qualifications and work experience in a health-related field.

b) PROGRAM REQUIREMENTS (M. ED.)

i) Candidates for the Master of Education (Post-Secondary Studies) are required to complete courses that form the program core.

? E6100. Research Designs and Methods in Education.

? E6801. Foundations of Post-Secondary Programs.

? E6802. Adult Learning and Development.

? E6803. Research in Post-Secondary Education.

and not fewer than 6 credit hours from closed electives in vii) below.

ii) Students holding the Graduate Diploma in Post-Secondary Studies (Health Professional Education) and accepted in the Master of Education (Post-Secondary Studies) will complete up to 12 fewer credit hours dependent upon the chosen program route and the completion date of the Diploma.

iii) Students on the comprehensive-course route must complete E6890 Research and Development Seminar in Post-

Secondary Studies.

iv) Students on the internship route must complete E6891 Internship in Post-Secondary Studies (6 credit hours).

v) Normally, students will be permitted to register for E6890 and E6891 only after all other course requirements have been met.

vi) To meet total credit hour requirements students may choose courses from other graduate offerings within the Faculty, the University, or other universities provided the courses chosen are appropriate to the student's program. Students on the thesis route must complete a total of at least 18 credit hours; and those on the internship or comprehensive-course route a total of at least 30 credit hours.

vii) Closed electives are those listed below:

? E6804. Leadership and Human Resource Development in Post-Secondary Education.

? E6805. Advanced Human Resource Communications.

? E6822. Foundations of Instructional Design in Post-Secondary Education.

? E6823. Principles of Program Design and Development.

? E6832. Issues and Trends in the Administration of Post-Secondary Education.

? E6940. Administration of Student Services in Post-Secondary Education.

? E6841. Student Development Theory, Services and Programs in Post-Secondary Education.

? E6806. Interprofessional Education in the Health Professions [attached].

c) PROGRAM REQUIREMENTS FOR GRADUATE DIPLOMA IN POST-SECONDARY STUDIES (HEALTH PROFESSIONAL EDUCATION)

The graduate diploma in post-secondary studies, specialization in health professional education, which was created in collaboration with the Centre for Collaborative Health Professional Education, is designed to enhance health professionals' abilities as educators and leaders in educational program design, development, evaluation and administration. The diploma is intended for educators and educational leaders of formal and informal post-secondary health professional education programs.

Participants will engage in an in-depth study of the structure and organization of the post-secondary education system, theories and philosophies of adult learning and development; and through elective courses pursue studies of program development models, instructional design frameworks, evaluation and assessment techniques, teaching methods, and research design principles in post-secondary teaching and learning. Opportunities will exist for the guided study of these topics as they relate to health professional education.

i) Candidates for the Graduate Diploma in Post-Secondary Studies (Health Professional Education) are required to complete courses that form the program core.

? E6801. Foundations of Post-Secondary Programs.

? E6802. Adult Learning and Development.

? E6806. Interprofessional Education in the Health Professions.

and not fewer than 3 credit hours from closed electives in b. vii) above or from:

? E6100. Research Designs and Methods in Education.

? E6803. Research in Post-Secondary Education.

ii) Students are encouraged to relate their assignments in these courses to health professional education.

iii) Students enrolled in the Diploma program may request transfer to the Master of Education (Post-Secondary Studies).

Courses for both the graduate diploma and the degree must be appropriate to the program and chosen in consultation with the student's advisor."

5.7 Proposal for Graduate Diploma in Fisheries Resource Management

Page 483, 2002-2003 Calendar, following the heading Regulations Governing the Degree of Master of Marine Studies (Fisheries Resource Management), delete the entry in its entirety and replace with the following:

"REGULATIONS GOVERNING THE GRADUATE DIPLOMA IN FISHERIES RESOURCE MANAGEMENT

PROGRAM COMMITTEE

Dr. Peter Fisher (Marine Institute) - Chair

Dr. Michael Wernerheim (Economics)

Mr. Cyr Couturier (Marine Institute)

Ms. Donna Stapleton (Business Administration)

Dr. Joe Wroblewski (Ocean Sciences Centre)

A. PROGRAMS

There are two graduate programs in Fisheries Resource Management: the Graduate Diploma and the Master of Marine Studies. The Master's degree requires successful completion of 8 courses plus a major report. The Graduate Diploma requires completion of 6 courses.

The programs are aimed at professionals working in or intending to enter careers in fisheries management. The programs are administered by a Program Committee consisting of five members appointed by the Dean of Graduate Studies.

B. GRADUATE DIPLOMA

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.

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 (Section C1. below).

2. Program of Study

The program consists of 18 credit hours. Students must complete 6001 plus five other courses chosen from 6002, 6003, 6004, 6005, 6006 and 6007.

3. Evaluation

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

C. MASTER OF MARINE STUDIES

The degree 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. The program is aimed at professionals working in or intending to enter careers in fisheries management and is available on a full-time or part-time basis. All candidates must take the full complement of 24 credit hours, including a required seminar, plus a major report. Candidates registered on a full-time basis may complete the program in one academic year. 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.

1. Admission Requirements

a) 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.

b) In addition to the academic requirements in a) 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.

c) Applicants must submit, along with the normal academic application form, a letter outlining their reasons for applying for admission to the program, their expectations of the program and its anticipated impact on their work and career progression.

d) In exceptional cases persons who do not meet the requirements specified in a) but who have a significant connection to fisheries and demonstrated equivalent experience acceptable to the Program Committee may be admitted. Such persons will undergo an interview by the Program Committee before being admitted.

e) Applications for admission in September must be received no later than April 30 of the year in which admission is

sought.

2. Program of Study

- a) The program consists of 24 credit hours made up of the courses numbered 6001-6008 listed below, plus a major report. Courses will normally be offered only once in an academic year with four courses offered in the Fall Semester and four, including the Seminar course offered in the Winter. Full-time candidates are expected to undertake and complete the work required for the report during the Spring Semester.
- b) A waiver of a program course may be granted by the Dean of Graduate Studies on the recommendation of the Program Committee if the candidate can demonstrate to the Program Committee that the course material has been substantially covered by a course taken at this or another recognized university. In such cases the course must be replaced by another course approved by the Program Committee. This replacement course must be taken during the candidate's period of enrolment in the program.

3. Evaluation

- a) Candidates for the Master's Degree must obtain a grade of B or better in all program courses and successfully complete the seminar.
- b) 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 Program Committee, substitute another graduate course. Only one such repeat or substitution will be permitted in the program.
- c) The major report is a fundamental component of the program and will normally be undertaken in the final semester of the program. The topic of the report and a faculty supervisor will be chosen by the candidate in consultation with the Program 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 Regulation J of the School of Graduate Studies.

COURSES

6001. Fisheries Ecology.
6002. Quantitative Methods in Fisheries.
6003. Fisheries Economics.
6004. Fisheries Policy.
6005. Fisheries Planning and Development.
6006. Business Management for Fisheries.
6007. Evolution of Fisheries.
6008. Seminar in Fisheries Management."

6. Report of the Committee on Committees

It was moved by Dr. Brosnan, seconded by Mr. Collins and carried that Mr. Jamie Baker replace Ms. Lynn Loveys Kane on the Committee on Course Evaluations.

7. Nomination of Graduate Student to Committee on Committees

It was moved by Mr. Collins, seconded by Dr. Brosnan and carried that Ms. Erin Quibell be named as the graduate student representative for the Committee on Committees.

8. Amendments to the Constitution and By-Laws of the Academic Council of the School of Music

A memorandum dated 18 April 2002 received from The School of Music noting an editorial change to the Constitution of the Academic Council made necessary by the name change of the School of Human Kinetics and Recreation was approved for transmission to the Board of Regents for formal approval. In addition, changes to the By-Laws of the Academic Council were received for information.

9. Response from Dr. A.W. May

A note of appreciation was received from Dr. A.W. May extending thanks to the Senate for recommending his appointment as President Emeritus.

10. Retirement of the Recording Secretary of Senate

Mr. Collins noted that Mrs. Marion Gregory, who served as Recording Secretary to Senate for more than nine years, retired on July 26, 2002. Senate was unanimous in agreeing that an expression of gratitude and appreciation be sent to Mrs. Gregory for the excellent service she provided to the Senate and several of its Committees over those nine years. Senators also wished Mrs. Gregory a long, prosperous and happy retirement.

11. Remarks from the Chair - Questions/Comments from Senators

The following is a summary of the remarks made by the Acting Chair:

- Dr. Simpson remarked that the start of another academic year has re-awakened our campuses with many new and returning students. Preliminary numbers show that overall enrollments have increased by approximately 5%. Dr. Simpson thanked all members of the faculty and staff who helped in this significant achievement. He also noted with regret the possibility of a labor disruption involving CUPE 1615, but commented that detailed contingency plans at the unit level are being developed to help minimize the impact on academic operations.

- Coincident with the beginning of the academic year were the opening of new residence facilities at Sir Wilfred Grenfell College, the new Bonne Bay Marine Station at Norris Point and the completion of renovations to the campus in Harlow. In addition, Dr. Simpson noted that the former Thompson Student Centre may receive a new lease on life as the new Inco Innovation Centre. In response to a question about such plans being made public, Dr. Simpson noted that a Programme and Occupancy Advisory Group, which has been established, will be meeting soon and will keep the University community apprised of developments. Dr. Simpson also indicated that he would investigate the possibility of including a student representative on this Committee.

12. Other Business

13. ADJOURNMENT

The meeting adjourned at 5:10 p.m.