

MEMORIAL UNIVERSITY OF NEWFOUNDLAND
Academic Council of the School of Graduate Studies
Minutes, November 18, 2013

PRESENT: Dr. N. Golfman, Dr. F. Murrin, Dr. C. Dyck, Dr. A. Bath,
Dr. S. Matthews, Dr. K. Arnold, Dr. D. Foster, Dr. R.
Hammett, Dr. T. Seifert, Dr. H. Zhang, Dr. D. Behm, MS.
C. Walsh, Dr. J. Doré, Dr. M. Volk, Dr. A. Mercier, Dr. S.
Carr, Dr. J.C. Loredano-Osti, Dr. K. Barter, Mr. B. Maity, Mr.
K. Balogun, Mr. J. Donnelly, Ms. L. Busby, Ms. J. Porter

Observer – Albert Johnson

APOLOGIES: Ms. M. Fitzsimmons, Ms. P. Coady, Dr. M. Daneshtalab,
Dr. L. Lye, Dr. B. Sheppard, Dr. B. Roebathan

A welcome was extended to new members Kat Lord, Kayode Adeniyi
Balogun, and Kelly Vodden .

1. MINUTES:

It was moved by Dr. Foster, and seconded by Dr. Bath, that the
minutes of the meeting held October 21, 2013, be approved.

The motion

CARRIED

2. BUSINESS ARISING

3. CORRESPONDENCE

4. DEAN'S REPORT/REPORT OF SENATE

- a. At the Senate meeting, November 12th, Dr. Golfman gave a brief
overview of items discussed at the meeting. All items under the
consent agenda were approved:
- Chemistry, New Course
 - Computer Science, New Course
 - Engineering, New Course
 - Folklore, New Course
 - Graduate Studies, Revisions to General Regulations
 - Sociology, Calendar Revisions

Under the Regular Agenda, Folklore submitted revisions to the comprehensive examinations regarding an open book exam and that if this was permissible, plagiarism might be rampant. At the October meeting of Senate, it was agreed to send this item back to the Faculty of Arts for clarification. At the Nov. 12th meeting, another member made reference to a regulation that governs both the undergraduate and graduate examinations, and that all exams must be invigilated. This regulation will now be reviewed by Senate.

The Folklore revisions did pass through Senate.

- b. The SGS annual Holiday Reception is December 18th, 3:00 pm – 5:00 p.m. in Room IIC 2014, Bruneau Centre.
- c. A call for Nominations for the Dean’s Award for Service Excellence, will be sent out this week. The 2012 winners were Lisa Savage and David Behm; the 2013 winners were Moya Crocker and Jennifer Dyer. The deadline for nominations is February 28th, 2014.
- d. Members were notified that the Guidelines for Theses and Reports, ‘Final Submission’ section, has been updated to include the new process for thesis submission.
- e. Both Dr. Golfman and Andrew Kim visited the Grenfell Campus November 15th. Discussions were held with current and new MAEP students, and meetings were held with faculty. Presentations were given on the overview of the School of Graduate Studies, and its policies and procedures.
- f. During the week of November 4th, Dr. Golfman, Dr. Murrin, Mr. Kim, Mr. Lawlor, and Ms. Noseworthy attend the Canadian Associate of Graduate Studies 51st Annual Conference. Approximately 250 Deans, and staff, attended. A Postdoctoral Scholars pre-conference workshop was also held, and annual meetings will be conducted to ensure issues at this level are at the forefront.

MUN also received the 2013 CAGS/ETS Award for Excellence and Innovation in Enhancing the Graduate Student Experience, for its e-defence process.

5. REPORT OF THE GRADUATE STUDENTS’ UNION

- a. Mr. Donnelly thanked the School of Graduate Studies for its invitation and support to attend the CAGS Conference. Congratulations was also extended for being the recipient of the CAGS/ETS Award.

- b. The GSU will be holding a by-election for the position of GSU Vice-President (Academic), November 19th. A notice will be distributed.
- c. The GSU has a new Human Resources Manager, Mr. Craig Pennell.
- d. The GSU continues to work towards housing opportunities to improve graduate student accommodations. A meeting is scheduled for early January with consultants and Dr. Greenwood of the Harris Centre. Meetings have been held with the team over the past year, and anticipate approximately 75-100 spaces for the Fall 2014, in the Harbour View Wing. A request has also been put forward to establish a Bitters Two with a View, at the Battery.

Mr. Donnelly mentioned the range of spaces that will be available at the Battery, and they are also recommending double and family size accommodations.

6. STANDING COMMITTEES

- a. Academic Council Executive
 - i) Calendar Revisions and New Course – Department of Biology

The Department of Biology is requesting approval of the proposed new course BIOL 6131 entitled 'Models in Biology', which requires the insertion of this new course, under sections 24.7.2. and 30.4.2. of the University Calendar:

6131 Models in Biology (Credit Restriction: Credit cannot be obtained if already received for Biology 4607)

It was moved by Dr. Behm and seconded by Dr. Loredano-Osti, that the proposed new course be approved. The motion

CARRIED

Course Description:

Study of the design and analysis of statistical and mathematical models for exploring the biology of cells, genes, species, populations, communities and ecosystems. Qualitative, quantitative and graphical techniques are used to analyze models and to compare theoretical predictions with empirical data. Classic models of systems biology, population growth, species competition, predator-prey,

ecosystem nutrient cycling, immunology, evolutionary invasion analysis, and species-distribution will be covered.

ii) Calendar Revisions and New Course – Medicine 6395

The Faculty of Medicine is requesting approval of the proposed new course MED 6395 entitled ‘Human Genetics ‘Genetic Epidemiology’, which requires the insertion of MED 6395 under sections 26.2.3.

It was moved by Dr. Behm, and seconded by Dr. Doré, that the proposed new course be approved. The motion

CARRIED

Course Description:

Genetic Epidemiology is a rapidly developing and highly demanding research field in the genomic era. It holds great potential for personalized medicine and improved biological knowledge of disease processes. The course will provide students with an overview of genetic epidemiology and equip them with the skills to develop statistical methods and analyze genetic data. Specific topics include concept of genetic epidemiology, study design, ascertainment bias and confounding effect, quantification of genetic contribution to complex traits, linkage analysis, association analysis, genome-wide association, multiple testing issue, and gene environmental interaction. Mendelian randomization. The use of genetic software will also be demonstrated. This course will provide students the necessary background and prepare them for advanced study and research in the area of genetic epidemiology.

iii) Calendar Revision – Department of Chemistry

The Department of Chemistry is requesting approval of a revision to section 30.5.1. governing comprehensive examinations, which removes item 30.5.1, item 6.b, and revises item 6.c to reflect three of the four areas of chemistry.

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

CARRIED

30.5.1 Program of Study

6. Candidates must pass a comprehensive examination, as described in the [General Regulations](#), according to one of the following descriptions:

- a- A 3 hour written part covering topics in Organic Chemistry, and, subsequent to the written examination at the discretion of the comprehensive examination committee, an oral exam designed to explore areas of perceived deficiency.
- b- ~~A 1.5 hour written part covering topics in Inorganic Chemistry, and, subsequent to the written exam, an oral examination designed to further explore areas of Inorganic Chemistry.~~
- e- A paper on a research topic selected by the student in consultation with his/her supervisor and the examination committee, and subsequently, an oral examination designed to explore general areas of Analytical, Inorganic and/or Physical Chemistry and areas of chemistry related to the research topic.

iv) Calendar Revisions – Faculty of Engineering

The Faculty of Engineering is requesting approval of revisions to sections 4.1, 12.4 and 13.7, governing the Industrial Internship Option for the Master of Applied Science, Master of Engineering, and Master of Engineering Management program, respectively. The Industrial Internship Option will be allotted a course number, 9200.

Discussion:

It was noted that the 9200 is required for the three programs, but they have different regulations for the Internship. It was stated that the differences in regulations depend on whether the program is course based or thesis based.

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

CARRIED

4.1 Industrial Internship Option (ENGI 9200)

The Faculty permits graduate students to undertake internships of work in industry. These internships will allow students to either (a) enhance the application of their knowledge and skills within industry, or (b) complete a research project defined by

the industry. Encouragement to undertake an internship will be given only where it is clear that one of these expectations can be met.

Students registered in the M.A.Sc. program may, with the permission of their Board of Studies, the Dean of the Faculty of Engineering and Applied Science, and the Dean of Graduate Studies, select the Industrial Internship Option. Students pursuing this option must satisfy the degree regulations for an M.A.Sc. program. In addition, students in the Industrial Internship Option:

1. shall normally complete at least 18 credit hours of the courses required for their program with an average of 75% or higher prior to the internship; the remaining required courses may be taken on campus or by distance
2. shall normally spend at least two continuous semesters on campus on a full-time basis as a graduate student at this University
3. shall normally spend 4 to 8 months of their program at an internship in industry
4. shall submit monthly reports to a university supervisor appointed by their Board of Studies, and shall submit a concise progress report to their Board of Studies no later than the end of each semester while on an internship
5. shall normally not opt out once the internship starts.

~~Successful completion of an internship will be indicated by a descriptive notation on the student transcript.~~

12.4 Industrial Internship Option (ENGI 9200)

The Faculty encourages graduate students to undertake internships of work in industry. Internships in industry will permit students either (a) to focus on the practicalities of research projects which have been well defined before the student enters an internship, or (b) to develop and define a research project from problems experienced during the internship. Encouragement to undertake an internship will be given only where it is clear that one of these expectations can be met.

Students registered in the Master of Engineering Program may, with the permission of their Supervisor, the Dean of the Faculty of Engineering and Applied Science, and the Dean of Graduate Studies select the Industrial Internship Option. Students approved to pursue this option must satisfy the degree regulations for a Master of Engineering Program. In addition, students in the Industrial Internship Option:

- - must take at least 9 credit hours of the courses required for their program on campus; the remaining required courses may be taken on or away from campus; those taken at other universities require pre-approval by the Dean of the School of Graduate Studies on the recommendation of the Faculty of Engineering and Applied Science
- - shall normally spend 8 to 12 months of their program at an internship in industry
- - shall normally spend at least two semesters on campus on a full-time basis as a graduate student at this university
- - shall submit a concise progress report to their supervisors, no later than the end of each semester while on an internship

~~Successful completion of an internship will be indicated by a descriptive notation on the student transcript.~~

13.7 Industrial Internship Option (ENGI 9200)

The Faculty permits graduates students to undertake internships of work in industry. These internships will allow students to either (a) enhance the application of their knowledge and skills within industry, or (b) complete a research project defined by the industry. Encouragement to undertake an internship will be given only where it is clear that one of these expectations can be met.

Students registered in the M.E.M. program may, with the permission of their Board of Studies, the Dean of the Faculty of Engineering and Applied Science, and the Dean of Graduate Studies, select the Industrial Internship Option. Students pursuing this option must satisfy the degree regulations for an M.E.M. program. In addition, students in the Industrial Internship Option:

1. shall normally complete at least 18 credit hours of the courses required for their program with an average of 75% or higher prior to the internship; the remaining required courses may be taken on campus or by distance
2. shall normally spend at least two continuous semesters on campus on a full-time basis as a graduate student at this university
3. shall normally spend 4 to 8 months of their program at an internship in industry
4. shall submit monthly reports to a university supervisor appointed by their Board of Studies, and shall submit a concise progress report to their Board of Studies no later than the end of each semester while on an internship
5. shall normally not opt out once the internship starts.

~~Successful completion of an internship will be indicated by a descriptive notation on the student transcript.~~

v) Calendar Revisions – Department of Computer Science

The Department of Computer Science is requesting revisions to the courses sections, 24.11.4 and 30.7.2., deleting existing courses, and requesting approval of new courses. These revisions reflect the growth of the graduate program in recent years.

New courses: 6901, 6902, 6903, 6904, 6907, 6908, 6910, 6911, 6912, 6913, 6915, 6916, 6922, 6925, 6926

Delete existing courses: 6714, 6715, 6716, 6718, 6720, 6721, 6722, 6723, 6724, 6725, 6726, 6727, 6728-6729, 6741, 6743, 6748-6749, 6751, 6753, 6754, 6783

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

CARRIED

24.11.4 Courses

A selection of the following graduate courses will be offered to meet the requirements of candidates, as far as the resources of the Department will allow. Normally, students will be expected to complete their course work during the fall and winter semesters. Courses might not be offered in the spring semester.

- 601W Work Term
- 6711 Syntax and Semantics of Programming Languages
- 6712 Compiling Techniques
- 6713 Software Engineering
- ~~6714 Functional Programming~~
- ~~6715 Logic Programming~~
- ~~6716 Concurrent Programming~~
- ~~6718-6719 Special Topics in Programming Languages~~
- ~~6720 Distributed and Parallel Computing~~
- ~~6721 Operating Systems Design~~
- ~~6722 Advanced Computer Architectures~~
- ~~6723 Microprocessor Systems~~
- ~~6724 VLSI Design (same as Engineering 9863)~~
- ~~6725 Computational Aspects of VLSI (same as Engineering 9864)~~
- ~~6726 Modelling and Analysis of Computing Systems~~
- ~~6727 Introduction to High Performance Computer Systems~~
- ~~6728-6729 Special Topics in Computer Systems – Computer Networks~~
- 6731 Topics in Numerical Methods
- 6732 Matrix Computations
- 6738-6739 Special Topics in Numerical Methods
- ~~6741 Advanced Automata Theory~~
- 6742 Theory of Databases
- ~~6743 Complexity of Computational Problems~~
- 6745 Special Topics - Advanced Computational Geometry
- ~~6748-6749 Special Topics in Theoretical Computer Science~~
- ~~6751 Database Technology and Information Retrieval~~
- 6752 Applications of Computer Graphics
- ~~6753 Artificial Intelligence~~
- ~~6754 Post-Genomic Computational Biology~~
- 6755 Knowledge-Based Systems
- 6756 Digital Image Processing
- 6758-6769 Special Topics in Computer Applications
- 6770-6790 Special Topics in Computer Science (excluding 6783)

- ~~6783 Applied Algorithms~~
- 6999 Master's Project
- 6901 Applied Algorithms (credit may be obtained for only one of 6901 and 6783)
- 6902 Computational Complexity (credit may be obtained for only one of 6902 and 6743)
- 6903 Concurrent Computing
- 6904 Advanced Computer Architecture (credit may be obtained for only one of 6904 and 6722)
- 6907 Introduction to Data Mining (credit may be obtained for only one of 6907 and 6762)
- 6908 Database Technology and Applications (credit may be obtained for only one of 6908 and 6751)
- 6910 Services Computing, sSemantic Web and Cloud Computing
- 6911 Bio-inspired Computing
- 6912 Autonomous Robotis (credit may be obtained for only one of 6912 and 6778)
- 6913 Bioinformatics
- 6915 Machine Learning
- 6916 Security and Privacy (Approved at October 21, 2013 Council Mtg.)
- 6922 Compiling Methods
- 6925 Advanced Operating Systems
- 6926 Performance Evaluation of Computer Systems
- 6999 Master's Project

30.7.2 Courses

A selection of the following graduate courses will be offered to meet the requirements of candidates, as far as the resources of the Department will allow:

- **Programming Languages**
 - 6711 Syntax and Semantics of Programming Languages
 - ~~6712 Compiling Techniques~~
 - 6713 Software Engineering
 - ~~6714 Functional Programming~~
 - ~~6715 Logic Programming~~
 - ~~6716 Concurrent Programming~~
 - ~~6718-6719 Special Topics in Programming Languages~~
- **Computer Systems**
 - ~~6720 Distributed and Parallel Computing~~
 - ~~6721 Operating Systems Design~~
 - ~~6722 Advanced Computer Architectures~~
 - ~~6723 Microprocessor Systems~~
 - ~~6724 VLSI Design (same as Engineering 9863)~~
 - ~~6725 Computational Aspects of VLSI (same as Engineering 9864)~~
 - ~~6726 Modelling and Analysis of Computing Systems~~
 - ~~6727 Introduction to High Performance Computer Systems~~

- ~~6728-6729 Special Topics in Computer Systems – Computer Networks~~
- **Numerical Computations**
 - 6731 Topics in Numerical Methods
 - 6732 Matrix Computations
 - 6738-6739 Special Topics in Numerical Methods
- **Theoretical Aspects**
 - ~~6741 Advanced Automata Theory~~
 - 6742 Theory of Databases
 - ~~6743 Complexity of Computational Problems~~
 - 6745 Special Topics - Advanced Computational Geometry
 - ~~6748-6749 Special Topics in Theoretical Computer Science~~
- **Applications**
 - ~~6751 Database Technology and Information Retrieval~~
 - 6752 Applications of Computer Graphics
 - ~~6753 Artificial Intelligence~~
 - ~~6754 Post-Genomic Computational Biology~~
 - 6755 Knowledge-Based Systems
 - 6756 Digital Image Processing
 - 6758-6769 Special Topics in Computer Applications
 - 6770-6790 Special Topics in Computer Science
 - 6901 Applied Algorithms (credit may be obtained for only one of 6901 and 6783)
 - 6902 Computational Complexity (credit may be obtained for only one of 6902 and 6743)
 - 6903 Concurrent Computing
 - 6904 Advanced Computer Architecture (credit may be obtained for only one of 6904 and 6722)
 - 6907 Introduction to Data Mining (credit may be obtained for only one of 6907 and 6762)
 - 6908 Database Technology and Applications (credit may be obtained for only one of 6908 and 6751)
 - 6910 Services Computing, sSemantic Web and Cloud Computing
 - 6911 Bio-inspired Computing
 - 6912 Autonomous Robotis (credit may be obtained for only one of 6912 and 6778)
 - 6913 Bioinformatics
 - 6915 Machine Learning
 - 6916 Security and Privacy (Approved at October 21, 2013 Council Mtg.)
 - 6922 Compiling Methods
 - 6925 Advanced Operating Systems
 - 6926 Performance Evaluation of Computer Systems

Course Descriptions:

6901

Design and analysis of algorithms is a foundation of Computer Science, and algorithms play an essential role in many related fields. This course aims to consolidate and advance student knowledge of algorithms, by presenting both traditional and contemporary algorithm design paradigms (backtracking, greedy, dynamic programming, divide-and-conquer, randomized, parallel/multithreaded and approximation algorithms). A significant part of the course will be devoted to in-depth exploration of some algorithms in real-world application areas; in particular, text searching/pattern matching, and graph algorithms will be covered.

6902

The goal of this course is to help students develop an intuitive feel for hardness of computational problems, and an ability to prove that intuition. That does it mean that a given problem is “hard”? in which sense is it “hard”: is it memory-intensive, computation-intensive; how are these notions related? What problems are unsolvable, and in which models of computation? How expressive are various languages used in databases and AI, and what does it mean computationally? These are some of the questions we will explore in this course.

6903

This course explores challenges in designing concurrent programs, i.e. ensuring correct sequencing of interactions or communications among different components of a computing system as well as coordinating accesses to resources that are shared by these components. Concurrent programs can be implemented as collections of (communicating) processes or as sets of threads within a single process.

6904

This course analyses the architecture of a variety of computer systems, from advanced single processor systems to systems composed of many tightly-coupled processors (e.g. multi-core systems or computer clusters) and loosely-coupled systems (e.g. distributed systems). Elements of performance analysis are used for quantitative characterizations of different architectures.

6907

Introduce the basic theories and methodologies underlying common data mining tasks. Two types of tasks are discussed, model-description and pattern-discovery. For model-description, the topics covered include concepts and techniques for regression and classification learning, clustering analysis, and maximum likelihood estimation. For pattern-discovery, the topics

include online analytic data processing and association rule mining. The course emphasizes algorithmic approaches; however, their theoretical foundations are also studied.

6908

The course will cover several current topics related to database and information retrieval applications. Topics include: Review of database design and relational databases; Transaction concepts; concurrency control and recovery methods; Homogeneous and Heterogeneous distributed database systems; Workflow management systems; Mobile database systems; Web services; and Data management in a Cloud.

6910

This course will cover the fundamental concepts and technologies behind services computing, semantic Web and cloud computing. Services Computing deals with all aspects relating to services, including creation, registration, discovery, composition and delivery. The core concept behind Semantic Web is the representation of data in a machine-interpretable way. Ontologies facilitate the means to realize such representation. Cloud Computing advocates the concept that any computation can be done anywhere and at anytime. Scalability, elasticity, security and confidentiality are important requirements.

6911

Bio-Inspired computing aims at taking inspiration from living systems for the design, development and realization of computational (and robotic) systems. Its main premise is that life, essentially, is information processing and that man-made systems used for information processing can benefit from concepts and recipes nature developed over eons. This course introduces methods of bio-inspired computing by discussing a selection of models.

6912

This course examines the technologies, constraints, and algorithms of autonomous robotics and introduces students to this topic as an active research area. The following topics will be covered: Major paradigms in robotics, kinematics, feedback control, sensor technologies, feature extraction, uncertainty modeling, localization, mapping, local navigation, path planning, multi-robot system, and biologically-inspired robotics.

6913

This course provides a broad introduction to computational approaches applied to biological and biomedical data. Methods covered may include

hidden Markov models, Bayesian approaches, and graph-based approaches as applied to biological/biomedical problems.

6922

This course provides theoretical foundations for compiler design. Emphasis is on practical mechanisms of lexical and syntax analyses as well as code generation. Compiler writing tools are used for implementation of simple compiler projects.

6925

This course extends the basic functions of operating systems to modern computer architectures, composed of many processors which are tightly-coupled (e.g., multi-core architectures or computer clusters) or loosely-coupled (i.e., distributed systems). Elements of performance analysis are included.

6926

The main objective of this course is to develop understanding of the modeling and performance analysis of discrete-event systems, and in particular, computer and communication systems.

vi) Calendar Revisions – School of Music

The School of Music is requesting approval of revisions to section 19.1, which refers applicants to the website for a list of applied areas of study, rather than listing in the calendar; and to section 19.2, which removes the requirement for applicants to write a diagnostic exam, but rather allows the admissions committee to determine whether or not it is necessary for a student to write the exam, based on the student's educational background and transcripts.

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

CARRIED

19.1 Programs of Study

The Degree of Master of Music (M.Mus.) is offered by full-time study, normally commencing in the Fall semester. Three areas of specialization are offered:

1. Conducting. Students may focus in choral conducting, instrumental conducting, or a combination of choral and instrumental conducting.
2. Performance. ~~Instruction is offered in voice, piano, organ, flute, clarinet, saxophone, oboe, trumpet, euphonium, trombone, tuba, guitar, violin, viola and cello.~~ For a complete list of applied areas of study, see the School of Music website at www.mun.ca/music.

3. Performance/Pedagogy. ~~Instruction is offered in voice, piano, organ, flute, clarinet, saxophone, oboe, trumpet, euphonium, trombone, tuba, guitar, violin, viola and cello.~~
For a complete list of applied areas of study, see the School of Music website at www.mun.ca/music.

The specialization of Ethnomusicology is available through the degrees Master of Arts and

Doctor of Philosophy. See the section **Regulations Governing the Degree of Master of Arts** and the section **Regulations Governing the Degree of Doctor of Philosophy**, respectively.

19.2 Qualifications for Admission

1. Admission to the program is limited and competitive. The application deadline is December 15 for admission to the following fall semester. Under special circumstances, applicants may be considered for admission to the winter semester. For further information, contact the School of Music.
2. To be eligible for consideration for admission, applicants shall meet the requirements set out in General Regulations for Admission, Master's Program. Applicants to the M.Mus. will normally hold a Bachelor of Music or equivalent from a recognized university or conservatory. Preference will be given to applicants who hold first class standing in their undergraduate program.
3. In addition to the requirements above, admission is further determined by ~~audition and diagnostic examinations~~.
 - a. Auditions for September entry are normally held in late February or early March of each year. Check the School of Music website at www.mun.ca/music for dates and locations.
 - b. Applicants to the M.Mus. in Performance or Performance/Pedagogy may submit the audition as a professional quality video recording if they are unable to attend the live auditions. ~~An unedited live performance is preferred.~~ The recording must be unedited; live performances are preferred. The audition program should display a range of performance styles and repertoire. Applicants should consult the School of Music website at www.mun.ca/music for details on length of audition and appropriate repertoire.

- c. Applicants to the M.Mus. in Conducting should submit professional quality video recordings of their work with a minimum of two different types of ensembles. These video recordings should include both rehearsals and performances.
 - d. ~~Applicants to all M.Mus. programs will be required to write diagnostic examinations measuring their skills and knowledge in the standard areas of musical literacy. These include music theory and analysis, aural skills, and music history and literature which includes repertoire knowledge in the performance area. Applicants who display deficiencies in any of these areas may still be considered for admission. Once admitted, however, they will be required to take remedial course work in addition to the required program.~~
 - e. ~~Voice and choral conducting applicants will have language competency assessed during the audition. Students admitted in voice and in choral conducting who lack sufficient background in English, German, French and Italian diction and basic comprehension will be required to take remedial undergraduate course work.~~
 - f. ~~Further information about the audition requirements, the diagnostic exams and language competency requirements is available at <http://www.mun.ca/music/programs/graduate/admission.php> or from the Associate Dean.~~
4. Applicants may also be asked to submit a sample of their academic written work.
5. Once they have been admitted, students may be required to write diagnostic exams in music theory, aural skills and/or music history. Voice and choral conducting students will also have their knowledge of lyric diction assessed. If weaknesses are identified, students may be required to complete remedial undergraduate course work.

vii) Calendar Revisions – Human Kinetics and Recreation

The School of Human Kinetics and Recreation is requesting approval of revisions to section 22.2. (Physical Education), and section 25.2. (Kinesiology), which reduces the number of required courses from 5 to 4.

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

The motion

CARRIED

Section 22.2.:

Master of Physical Education Regulations

22.2 Program of Study and Research

1. The Degree of Master of Physical Education is offered under three options:

Option I. The program shall consist of a minimum of ~~15~~ **12** credit hours in graduate courses plus a thesis. The thesis shall be on an approved subject in which systematic research has been conducted by the candidate under the direction of the Supervisor.

Option ii. The program shall consist of a minimum of ~~15~~ **12** credit hours in graduate courses plus a project report. The project shall be on an approved subject in which action-research has been conducted by the candidate under the direction of the Supervisor.

Option iii. The program shall consist of a minimum of 24 credit hours in graduate courses plus a comprehensive examination in the candidate's major area of study.

2. The candidate's major area of study shall be Administration, Curriculum and Supervision in Physical Education.

In conjunction and collaboration with other Faculties and Schools of Memorial University of Newfoundland, students may pursue their special interests through an interdisciplinary course of study. The student's interests may be accommodated through individual reading and research in these special areas.

3. The required courses for the degree shall normally include:

Option I: HKR 6500, one of 6000 or 6001, 6120, plus ~~two~~ **one** of 6003, 6111, 6121, 6122, 6123, 6124, 6125, 6610-6615 (plus thesis)

Option ii: HKR 6500, one of 6000 or 6001, 6120, plus ~~3~~ **one** of 6003, 6111, 6121, 6122, 6123, 6124, 6125, 6610-6615 (plus project)

Option iii: HKR 6500, one of 6000 or 6001, 6120, plus 5 of 6003, 6111, 6121, 6122, 6123, 6124, 6125, 6610-6615 (plus comprehensive examination)

Equivalent courses may be substituted from other Faculties or Schools subject to the approval of the School of Human Kinetics and Recreation Graduate Studies Committee. In addition, all on-campus candidates shall be required to complete four semester-length seminar courses (HKR 6510-6513). Off-campus or part-time candidates who cannot attend the on-campus seminar series can substitute 24 hours of participation (over their two year tenure) and present once at national, provincial or regional conferences, workshops, professional development seminars or equivalent activities.

Master of Science (Kinesiology)

25.2 Program and Degree Requirements

1. The Degree of Master of Science in Kinesiology is offered in the areas of Biomechanics/Ergonomics, Exercise and Work Physiology, Psychology of Sport, Exercise and Recreation, and Socio-cultural Studies of Physical Activity and Health.
2. The program of a candidate for the Master of Science in Kinesiology shall be the responsibility of the Supervisory Committee, composed of the Supervisor and at least one other faculty member recommended with the concurrence of the Supervisor by the Dean of the School, or delegate.
3. Candidates for the Master of Science in Kinesiology shall be required to complete a minimum of ~~15~~ 12 credit hours plus a thesis. Either HKR 6000 or HKR 6001 is normally required for all candidates. In addition, all on-campus candidates shall be required to complete four semester-length seminar courses (HKR 6510-6513). Off-campus or part-time candidates who cannot attend the on campus seminar series can substitute 24 hours of participation in (over their two year tenure) and one presentation at national, provincial or regional conferences, workshops, professional development seminars or equivalent activities. The remaining course requirements will be selected, in agreement with the Supervisory Committee, to reflect the kinesiology areas of specializations offered with the School.

Items 4 – 9 remain unchanged.

7. ANY OTHER BUSINESS

8. NOTICE OF MOTION
9. ADJOURNMENTS

The meeting adjourned at 4:20 p.m.

Noreen Golfman, Chair

David Behm, Secretary