

MEMORIAL UNIVERSITY OF NEWFOUNDLAND
Academic Council of the School of Graduate Studies
Minutes, Meeting of December 16, 2019

PRESENT: A. Surprenant (Chair), D. Farquharson, A. Keeling, T. MacKenzie, P. Coady (via teleconference), E. Haven, R. Joy, J. Rodway (Blue Jeans), T. Norvell (Blue Jeans), D. Howse, J. Shea (Blue Jeans), A. Dorward, J. Martinec, D. Moralejo, H. Liu, A. Lang, V. Kavanagh, M. McKibbon, E. Pittman, S. Khalil

APOLOGIES: R. Gosine, S. Cadigan, C. Badenhorst, AM. Sullivan, R. Shannahan, A. Variyath, A. Kim, F. Khan

1. MINUTES

The minutes of the meeting held November 18, 2019 were approved as circulated.

2. BUSINESS ARISING

3. CORRESPONDENCE

4. DEAN'S REPORT/REPORT OF SENATE

- a. At its meeting of December 10th, all items of business from Academic Council were approved, with the exception of the proposed new Education program in Reading Development and Instruction. This item of business was pulled from the Senate agenda and will go forward to Senate with the proposed new Graduate Diploma in Reading Development and Instruction following approval by Academic Council.
- b. The new President of MUN was announced – Dr. Vianne Timmons. Dr. Kachanoski will remain as President until March, 2020.

5. REPORT OF THE GRADUATE STUDENTS' UNION

- a. The GSU is preparing for the Winter graduate orientation and Brass lunch.
- b. The GSU will be hosting a Christmas dinner on December 23, at 7:00 p.m. at Bitters. All are welcome.
- c. Progress is being made on the hiring of new staff at Bitters.
- d. For the Aldrich Conference, to be held in March 2020, the theme is chosen and rooms have been booked. A call will again be put out to the University Community for volunteers who can give some of their time to reading abstracts etc. The GSU found it challenging last year finding volunteers.

6. a. Academic Council Executive
 - i. Nursing

Nursing requests approval of revisions to section 22 of the University Calendar which deletes existing courses; proposing three new courses; rearranging course requirements; renaming existing courses; reducing the number of credit hours in core courses; change the admission requirements to reference that applicants must have a baccalaureate degree in nursing from an accredited program in Canada if they graduated from a program in Canada; change the degree designation from Master of Nursing (MN) to Master of Science in Nursing (MScN); and other minor revisions for grammatical errors and consistency.

It was moved by E. Pittman and seconded by D. Moralejo that the proposed revisions be approved. The motion

CARRIED

22 Regulations Governing the Degree of ~~Master of Nursing~~ **Master of Science in Nursing**

- www.mun.ca/sgs/contacts/sgscontacts.php
- www.mun.ca/nursing

22.1 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 Faculty of Nursing offers a ~~Master of Nursing (M.N.) Program~~ **Master of Science in Nursing Program** with two options: , Practicum and Nurse Practitioner, as well as a Graduate Diploma in Nursing (Post Master's Nurse Practitioner).

22.2 Qualifications for Admission

1. Applicants to the ~~Master of Nursing~~ **Master of Science in Nursing** program in any of the two options listed above must have a baccalaureate ~~Degree~~ **degree** in nursing, ~~or an equivalent from an institution recognized by the University~~ **from an accredited program in Canada or an equivalent from a non-Canadian institution recognized by the University**, and a knowledge of nursing satisfactory to the Faculty 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 of experience (1950 hours) in nursing practice for the Practicum Option and two years of experience (3000 hours) in nursing practice for the Nurse Practitioner Option **prior to submitting their application.** ~~and to~~ **In addition, applicants must** have completed an undergraduate nursing research course (minimum 'B' standing) and an undergraduate statistics course (minimum 'B' standing).

4. Applicants must hold a practicing licence from the ~~Association~~ **Council** of Registered Nurses of Newfoundland and Labrador or must be currently registered as a practicing 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 practicing nurse (or an equivalency) from their country or jurisdiction.
- ~~5. In addition to the above requirements, applicants seeking admission to the MNMScN degree – Nurse Practitioner option must have two years of clinical experience preferably in their chosen specialty area.~~
- ~~6.5.~~ In addition to requirements ~~1, and 4,~~ **1 and 4**, applicants seeking admission to the Graduate Diploma in Nursing (Post Master's Nurse Practitioner) program must have completed a Master's ~~Degree degree~~ (minimum 'B' standing) in Nursing or an equivalent degree with a nursing focus, a graduate level statistics course (minimum 'B' standing), a graduate level nursing research theories course (minimum 'B' standing), a Bachelor's degree (minimum 'B' standing) in Nursing, and have two years of clinical nursing experience preferably in their chosen specialty area.
- ~~7.6.~~ In addition to requirements ~~1, 4, and 6,~~ **1, 4, and 5** applicants seeking admission to the MN Nurse Practitioner Degree MScN Degree – Nurse Practitioner option Option and the Graduate Diploma in Nursing (Post Master's Nurse Practitioner) program will note that preference will be given to applicants who are living and working as Registered Nurses in Newfoundland and Labrador.
- ~~8.7.~~ Only in exceptional circumstances and only on the recommendation of the Faculty of Nursing shall the Dean of Graduate Studies consider applicants who do not meet admission requirements listed above.

22.4 Programs of Study

There are two routes offered that lead to a ~~Master of Nursing Degree~~ **Master of Science in Nursing Degree**: the Practicum Option and the Nurse Practitioner Option. ~~Normally the program will require two years to complete when taken on a full-time basis.~~ In addition to the ~~M.N. Degree~~ **MScN degree** program, the Faculty of Nursing also offers a Graduate Diploma in Nursing (Post Master's Nurse Practitioner).

22.4.1 Practicum Option

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

Required courses:

~~6010 Research in Nursing: Quantitative Methods~~

6011 Philosophical and Theoretical Foundations of Nursing

6012 Statistics for Advanced Nursing Practice

6013 Research Methods in Nursing

~~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~~ **Writing** for Advanced Nursing Practice

6260 Knowledge Translation in Nursing

6270 Leading Change in Nursing

~~One of the following courses:~~

~~6020 Program Development in Nursing~~

~~6031 Education in Nursing~~

The following practicum courses:

6660 MN Practicum 1

6661 MN Practicum 2

2. The program of each student shall be approved by the Dean of Graduate Studies on the recommendation of the Dean of the Faculty of Nursing.

22.4.2 Nurse Practitioner Option

1. Students must complete an approved program of studies consisting of a minimum of ~~37~~ **36** credit hours in graduate program courses ~~and~~ **including** 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

6013 Research Methods 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*)~~

6250 Writing for Advanced Nursing Practice

~~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*)~~

6260 Knowledge Translation for Nursing

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

6704 Applied Pathophysiology and Clinical Practicum 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), (or the former 6900 Adult Advanced Clinical Decision Making (4 credit hours)), 6802 Family/All Ages Clinical Decision Making 3 (4 credit hours), (or the former 6802 Family/All Ages Clinical Decision Making (4 credit hours)), or, one of: 6803 to 6809 Nursing Specialty Option Courses (4 credit hours)

690X Advanced Clinical Practicum 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), (or the former 690X 2). The integrated practice component will normally consist of a minimum of 400 hours of preceptored specialty clinical practice and biweekly seminars) (12 credit hours)).

2. The program of each student shall be approved by the Dean of Graduate Studies on the recommendation of the Dean of the Faculty of Nursing.
3. The maximum time frame from commencement of the first ~~core~~ **NP specific** course until program completion shall normally be no longer than 3 years.
4. Students must complete the required clinical hours per course in order to progress in the program and they must complete the required clinical hours for each life stage (for example, children, pregnancy, older adult) by the end of 690X in order to complete the Nurse Practitioner Option.
- ~~5. Students must complete the required clinical hours per course in order to progress in the program and they must complete the required clinical hours for each life stage (for example, children, pregnancy, older adult) by the end of 690X in order to complete the Nurse Practitioner Option.~~

22.4.3 Graduate Diploma in Nursing (Post Master's Nurse Practitioner)

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

Required courses:

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

6704 Applied Pathophysiology and Clinical Practicum 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), (or the former 6800 Adult Advanced Clinical Decision Making (4 credit hours)), 6802 Family/All Ages Clinical Decision Making 3 (4 credit hours), (or the former 6802 Family/All Ages Clinical Decision Making (4 credit hours)), or, one of: 6803 to 6809 Nursing Specialty Option Courses (4 credit hours)

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

2. Programs for some students may exceed the above minimum requirements.
3. The program for each student shall be approved by the Dean of Graduate Studies on the recommendation of the Dean of the Faculty of Nursing.

4. The maximum time frame from commencement of the first ~~core~~ NP **specific** course until program completion shall normally be no longer than 3 years.
5. Students must complete the required clinical hours per course in order to progress ~~in~~ in the program and they must complete the required clinical hours for each life stage (for example, children, pregnancy, older adult) by the end of 690X in order to complete the ~~Nurse-Practitioner Option~~ **program**.

22.5 Evaluation

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

22.6 Courses

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

6010 Research in Nursing: Quantitative Methods (~~3 credit hours~~)

6011 Philosophical and Theoretical Foundations of Nursing

6012 Statistics for Advanced Nursing Practice

6013 Research Methods in Nursing

6020 Program Development in Nursing

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 (*equivalent to 6200 and 6210*)

6250 **Writing 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*)

6260 Knowledge Translation in Nursing

6270 Leading Change in Nursing

6310-6350 Special Topics in Nursing

6501-6510 Individual Readings and Research in Special Areas

6660 ~~MN~~ Practicum 1 (*prerequisites: All required courses including 6020 or 6031, and 6240/6221 or*

6200/6210 or 6220/6230)

6661 ~~MN~~ Practicum 2 (*prerequisite: 6660 ~~MN~~ Practicum 1*)

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

6704 Applied Pathophysiology and Clinical Practicum 2 (4 credit hours) (*prerequisite: 6703*)

6705 Pharmacotherapy and Therapeutics (*prerequisite: 6704*)

6706 Nurse Practitioner Roles and Practice Issues

6800 Adult Advanced Clinical Decision Making 3 (4 credit hours), (or the former 6800 Adult Advanced Clinical Decision Making (4 credit hours)) (*prerequisites: 6705 and 6706*)

6802 Family/All Ages Clinical Decision Making 3 (4 credit hours), (or the former 6802 Family/All Ages Clinical Decision Making (4 credit hours)) One of: 6803 to 6809 Nursing Option Courses (4 credit hours) (*prerequisites: 6705 and 6706*)

690X Advanced Clinical Practicum 4 (*The integrated practice component will normally consist of a minimum of 400 hours of preceptored clinical practice and biweekly seminars*) (12 credit hours), (or the former 690X Advanced Clinical Practicum 2 (*The integrated practice component will normally consist of a minimum of 400 hours of preceptored clinical practice and biweekly seminars*)) (12 credit hours) (*prerequisite: 6800 or 6802*)

ii. Engineering – Electrical and Computer Engineering

Engineering is requesting approval of revisions to section 14 of the University Calendar which includes the deletion of existing courses; addition of new course ENGI 9823; and the renaming of courses.

It was moved by E. Pittman and seconded by T. Norvell that the proposed revisions be approved. The motion

CARRIED

14.12 Courses

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

14.12.1 Required Course

9100 Engineering Graduate Seminar (1 credit hour)

14.12.2 Core Courses

- 9002 Ocean Engineering Structures
- 9015 Ocean Engineering Hydrodynamics
- 9110 Advanced Petroleum Production Engineering
- 9113 Phase Behaviour of Petroleum Reservoir Fluids
- 9114 Advanced Reservoir Engineering
- 9115 Safety and Risk Engineering
- 9118 Advanced Drilling Engineering
- 9121 Advanced Safety, Risk and Reliability Modeling
- 9211 Experimental Methods

- 9310 Advanced Reactor Analysis and Bioreactors
- 9320 Advanced Separation Processes
- 9330 Abnormal Situation Management and On-line Monitoring
- 9340 Material Degradation in Process Facilities
- 9411 Probabilistic Methods in Engineering
- 9420 Engineering Analysis
- 9496 Modeling and Simulation of Dynamic Systems
- 9501 Finite Element Analysis with Engineering Applications
- 9505 Structural Dynamics and Vibrations
- 9516 Similitude, Modelling and Experimental Data Analysis
- 9520 Solid and Structural Mechanics
- 9550 Fatigue, Fracture and Corrosion
- 9609 Environmental Risk Assessment
- 9627 Environmental Systems Engineering
- 9816 Antenna Theory
- 9821 Digital Signal Processing
- 9826 Advanced Control Systems
- 9827 Continuous and Discrete-Event Systems
- 9834 Advanced Power Electronics
- ~~9847 Computer and Control Methods in Power Systems~~
- 9853 Energy Economics and Policy
- 9854 Fundamentals of Energy Systems
- 9855 Energy and the Environment
- 9856 Electrical Power Systems
- 9857 Instrumentation and Control of Energy Systems
- 9858 Advanced Power Systems
- 9861 High-Performance Computer Architecture
- 9865 Advanced Digital Systems
- 9867 Advanced Computing Concepts for Engineering
- 9871 Information Theory and Coding
- 9874 Software Design and Specification
- 9876 Advanced Data Networks
- 990A MESE Project Course
- 990B Continuation of MESE Project Course
- 9901 Fundamentals of Fluid Dynamics
- 9902 Advanced Transport Phenomena
- 9909 Advanced Thermodynamics
- 9940 Advanced Robotics
- 9977 Computational Fluid Dynamics
-

14.12.3 Other Courses

- 9022 Marine Geotechnical Engineering
- 9052 Ice Properties and Mechanics
- 9080/99 Special Topics in Ocean Engineering (excluding 9096)
- 9096 Marine and Offshore Ice Engineering

- 9111 Well Testing
- 9112 Multiphase Flow
- 9116 Reliability Engineering
- 9117 Offshore Petroleum Geology and Technology
- 9119 Compact Process Equipment Design
- 9120 Advanced Natural Gas Engineering
- 9150-59 Special Topics in Oil and Gas Engineering
- 9200 Industrial Internship
- 9210 Advanced Engineering Materials
- 9390/94 Special Topics in Engineering Management
- 9440 Optimization Principles in Engineering
- 9495/99 Special Topics in Engineering Analysis (excluding 9496)
- 9540/49 Special Topics in Mechanics, Structures and Materials
- 9560 Applied Remote Sensing
- 9601 Environmental Pollution and Mitigation (cross-listed as Environmental Science 6004)
- 9603 Environmental Sampling and Pollutant Analysis (*cross-listed as Environmental Science 6005*)
- 9605 Water and Wastewater Treatment
- 9610/15 Special Topics in Environmental Engineering and Applied Science
- 9621 Soil Remediation Engineering
- 9622 Environmental Statistics
- 9625 Environmental Impacts of Offshore Oil and Gas Operations
- 9626 Environmental Management System
- 9628 Environmental Laboratory
- 9629 Environmental Policy and Regulations
- 9630 Pollution Prevention
- 9713 Stochastic Hydrology
- 9723 Soil Properties and Behaviour (formerly 9720)
- 9750 Advanced Topics in Analysis and Design of Reinforced Concrete (*formerly 9701*)
- 9755 Advanced Topics in Precast and Prestressed Concrete (*formerly 9702*)
- 9760/64 Special Topics in Geotechnical Engineering
- 9790 Subsea Pipeline Engineering
- 9791/99 Special Topics in Civil Engineering
- 9802/05 (excluding 9804) Special Topics in Computer Engineering
- 9804 Industrial Machine Vision
- 9806/09 Special Topics in Communications Engineering
- ~~9815 Electromagnetic Propagation~~
- ~~9822 Nonlinear Digital Image Processing and Analysis~~
- 9823 Computer Security
- 9825 Random Signals (*formerly 9830*)
- 9835 Advanced Electric Machines
- 9841 Thermal Power Plants
- 9843 Solar Engineering
- 9845 Energy Storage
- ~~9848 Power System Stability (*formerly 9812*)~~

- ~~9849 Power System Protection~~
- 9850/53 Special Topics in Power Systems and Controls
- 9862 Power System Protection
- 9863 Grid Integration of Energy Systems
- 9868 ASIC Design
- 9869 Advanced Concurrent Programming
- 9872 Digital Communications ~~9866 Fault-Tolerant Computing (formerly 9846)~~
- ~~9873 Image Communications~~
- 9875 Embedded and Real-Time Systems Design
- ~~9877 Computer and Communications Security~~ Cryptography
- 9878 Wireless and Mobile Communications
- ~~9879 Formal Specification and Development~~
- 9880/83 Special Topics in Computer Engineering
- 9884/87 Special Topics in Signal Processing
- 9888/91 Special Topics in Communications Engineering
- 9892/95 Special Topics in Power Systems and Controls
- 9896 Renewable Energy Systems
- 9897/99 Special Topics in Applied Electromagnetics
- 9910 Advanced Manufacturing
- 9920 Advanced Concepts in Mechanical Design
- 9925 Theory and Design of Mechanical Components and Structures
- 9971 Nonlinear and Random Vibrations Analysis
- 9975/99 (excluding 9977 and 9979) Special Topics in Mechanical Engineering
- 9979 Fluid Structure Interactions
- 9985 Advanced Heat Transfer
- 9987 Interfacial and Phase Change Phenomena

iii. Engineering – MASC in Computer Engineering

Engineering is requesting approval of revisions to section 6.2 of the University Calendar for approval of two new courses ENGI 9818 and 9819; new linked two semester (3 credit hour) courses 981A/B; and changing the old program structure to a 5 (non-project) core + 5 elective courses.

It was moved by E. Pittman and seconded by T. Norvell that the proposed revisions be approved. The motion

CARRIED

iv. SGS General Regulation 4.8

SGS is requesting approval of revisions to General Regulation 4.8 governing comprehensive examinations, which will afford academic units flexibility in the voting membership of the committees.

It was moved by E. Pittman and seconded by A. Lang that the proposed revisions be approved. The motion

CARRIED

4.8 Comprehensive Examinations

4.8.1 Master's Comprehensive Examination

1. The composition of the Comprehensive Examination Committee is specified in the Degree and Departmental regulations, and the Committee is appointed by the Dean. The Dean of Graduate Studies or delegate may exercise the right to attend. In a non-voting capacity. All members of the Committee including the Chairperson, but excluding the Dean of Graduate Studies or delegate, shall be voting members. The total voting members must be an odd number.
2. In this examination the student must demonstrate an advanced knowledge of the academic discipline as defined by the academic unit in which they are students. Therefore, in order to be eligible to sit the examination, all course requirements must normally be completed.
3. In cases where there are multiple parts to a comprehensive exam, including written and oral parts, a student must satisfy all parts of the examination to obtain a pass. The requirements to advance to a later part of the examination are specified in the Degree and Departmental regulations or by the appropriate academic unit.
4. Members of the Comprehensive Examination Committee shall decide the results of the comprehensive examination as indicated in a.-d. below:
 - a. The category of 'pass with distinction' will be awarded to students who demonstrate superior knowledge of their area(s). This category requires unanimous support of the Comprehensive Examination Committee.
 - b. The category of 'pass' will be awarded to students who demonstrate an acceptable knowledge of their area(s) and requires a simple majority vote.
 - c. The category of 're-examination' selects those students with an understanding of their research area that lacks sufficient depth and scope as indicated by a simple majority of the Comprehensive Examination Committee. Only one such re-examination is possible and students in this category are not eligible for the award of 'pass with distinction'. If a re-examination is to be held, it must be conducted not less than one month and not more than six months after the first examination. The decision of the voting members of the Committee following this re-examination can only be 'pass' or 'fail' decided by simple majority. Failure will lead to immediate termination of the student's program. There is no option for further re-examination.
 - d. Students awarded a 'fail' are deemed, by unanimous vote of the Comprehensive Examination Committee, to be unable to demonstrate an adequate understanding of their area(s). The student's program is terminated. A simple majority vote will default to the award of 're-examination'.
5. The Chairperson of the Comprehensive Examination Committee shall report to the Head of the academic unit who shall report to the Dean. The result of the comprehensive examination(s) shall be reported to the student by the Dean.

4.8.2 Ph.D. and Psy.D. Comprehensive Examination

1. The student shall submit to a comprehensive examination, which may be written or oral or both as determined by the academic unit. Students shall normally take the examination no later than the end of the seventh semester in the doctoral program. Unless an extension is approved by the Dean of Graduate Studies, failure to take the examination at this time will result in the termination of the student's program.
2. This examination, whether written or oral, shall be conducted by a Committee appointed by the Dean of Graduate Studies on the recommendation of the academic unit. It shall consist of the Head of the academic unit (or delegate) who shall be the Chairperson, the student's Supervisor [or, where a Supervisor has not yet been appointed, the Graduate Officer or Chair of the Graduate Studies (or equivalent) Committee], and at least three other members, the total voting members to be an odd number. For students in the Ph.D. program, all members of the Committee including the Chairperson, but excluding the Dean of Graduate Studies or delegate, shall be voting members. For students in the Psy.D. program, the voting members of the committee shall be clinical psychologists, but will not include Chairperson, the Supervisor, or the Associate Vice President (Academic) and Dean, Graduate Studies. A non-voting attendee shall be the Dean of Graduate Studies or delegate.

3. In this examination, the student must demonstrate a mastery of those subjects appropriate to the student's area(s), as defined by the academic unit in which the candidate is a student. Therefore, in order to be eligible to sit the examination, all course requirements must normally be completed. The area(s) upon which the student will be examined should be made known to the student no later than three months prior to the examination. The student must further be able to relate the specialization of their research to the larger context of these areas.
4. In cases where there are multiple parts to a comprehensive exam, including written and oral parts, a student must satisfy all parts of the examination to obtain a pass. The requirements to advance to a later part of the examination are specified in the Degree and Departmental regulations or by the appropriate academic unit.
5. Members of the Comprehensive Examination Committee shall decide the results of the comprehensive examination as indicated in a.-d. below:
 - a. The category of 'pass with distinction' will be awarded to students who demonstrate superior knowledge of their area(s). This category requires unanimous support of the Comprehensive Examination Committee.
 - b. The category of 'pass' will be awarded to students who demonstrate an acceptable knowledge of their area(s) and requires a simple majority vote.
 - c. The category of 're-examination' selects those students with an understanding of their research area(s) that lacks sufficient depth and scope as indicated by a simple majority of the Comprehensive Examination Committee. Only one such re-examination is possible and students in this category are not eligible for the award of 'pass with distinction'. If a re-examination is to be held, it must be conducted not less than one month and not more than six months after the first examination. The decision of the voting members of the Committee following this re-examination can only be 'pass' or 'fail' decided by simple majority. Failure will lead to immediate termination of the student's program. There is no option for further re-examination.
 - d. Students awarded a 'fail' are deemed, by unanimous vote of the Comprehensive Examination Committee, to be unable to demonstrate an adequate understanding of their research area(s). The student's program is terminated. A simple majority vote will default to the award of 're-examination'.
6. The Chairperson of the Comprehensive Examination Committee shall report to the Head of the academic unit who shall report to the Dean. The result of the comprehensive examination(s) shall be reported to the student by the Dean.

v. Computer Science

Computer Science is requesting approval of revisions to section 36.7.2 of the University Calendar, to insert a new block of special topics course numbers 6980-6998.

It was moved by E. Pittman and seconded by A. Lang that the proposed revisions be approved. The motion

CARRIED

36.7.2 Courses

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

- 6758-6769 Special Topics in Computer Applications
- 6770-6790 Special Topics in Computer Science
- 690A/B Research Methods 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*)
- 6905 Software Engineering (*credit may only be obtained for one of 6905 or 6713*)
- 6906 Numerical Methods (*credit may only be obtained for one of 6906 or 6731*)
- 6907 Data Mining Techniques and Methodologies (*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*)
- 6909 Fundamentals of Computer Graphics (*credit may be obtained for only one of 6909 or 6752*)
- 6910 Services Computing, Semantic Web and Cloud Computing
- 6911 Bio-inspired Computing
- 6912 Autonomous Robotics (*credit may be obtained for only one of 6912 and 6778*)
- 6913 Bioinformatics
- 6914 3D Modelling and Rendering
- 6915 Machine Learning
- 6916 Security and Privacy
- 6918 Digital Image Processing (*credit may be obtained for only one of 6918 or 6756*)
- 6921 Syntax and Semantics of Programming Languages (*credit may be obtained for only one of 6921 or 6711*)
- 6922 Compiling Methods (*credit may be obtained for only one of 6922 and 6712*)
- 6924 Formal Grammars, Automata and Languages
- 6925 Advanced Operating Systems
- 6926 Performance Evaluation of Computer Systems (*credit may be obtained for only one of 6726 and 6926*)
- 6928 Knowledge-Based Systems (*credit may be obtained for only one of 6928 or 6755*)
- 6929 Advanced Computational Geometry (*credit may be obtained for only one of 6929 or 6745*)
- 6930 Theory of Databases (*credit may be obtained for only one of 6930 or 6742*)
- 6931 Matrix Computations and Applications (*credit may only be obtained for one of 6931, the former 6732 and CMSC 6910*) (*cross-listed with CMSC 6910*)
- 6932 Matrix Computations in Control (*credit may only be obtained for one of 6932 or 6738*)
- 6933 Nonlinear and Linear Optimization (*cross-listed with Mathematics 6202*)
- **6980-6998 Special Topics in Computer Science**

vi. Psychology

Psychology is requesting approval of revisions to the Master's (regulation 27.20) and PhD (regulation 36.32) of the University calendar, which increases and improves the statistical training of the students; and adds the proposed three new courses 6002, 6003 and 6004, to the 'Courses' sections of the calendar.

Approval is also being requested for revisions to section 36.32 which proposes a change to the voting members for the comprehensive examination: restricting the voting members to the three committee members who are neither the Supervisor nor the Chair.

It was moved by E. Pittman and seconded by A. Lang that the proposed revisions be approved. The motion

CARRIED

27.20 Psychology

- www.mun.ca/sgs/contacts/sgscontacts.php
- www.mun.ca/science
- www.mun.ca/psychology

The Degree of Master of Science is offered in Experimental Psychology. The Degree of Doctor of Philosophy is offered in Experimental Psychology. Interested students may wish to consult the sections in the Calendar describing the **Master of Applied Psychological Science (Co-**

operative) and the Master of Science and Doctor of Philosophy in Cognitive and Behavioural Ecology programs.

27.20.1 Program of Study

A student may be accepted into a program leading to the M.Sc. in Experimental Psychology.

Experimental Psychology

1. The areas of specialization offered are: Animal Behaviour (see Cognitive and Behavioural Ecology Program), Behavioural Neuroscience and Clinical, Cognitive, Developmental and Social Psychology.
2. Students in the Behavioural Neuroscience area shall normally complete 12 credit hours, including: Advanced Statistics in Psychology (6000), Research Design (6001), and 6 credit hours related to their area of specialization. Students will also register for the Colloquium Series in Psychology (6010) each Fall and Winter semester of their program for a maximum of four registrations.
- 3.2. Students in all other areas shall normally complete 15 credit hours, including: Advanced Statistics in Psychology (6000), Research Design (6001), an additional 3 credit hours of Advanced Statistics Courses (either PSYC 6002, PSYC 6003, or PSYC 6004), and 6 credit hours related to their area of specialization. Students will also register for the Colloquium Series in Psychology (6010) each Fall and Winter semester of their program for a maximum of four registrations.
- 4.3. Every student shall submit an original thesis based upon an approved experimental research topic.

27.20.2 Courses

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

- 6000 Advanced Statistics in Psychology
- 6001 Research Design
- 6002 Advanced Statistics in Psychology II
- 6003 Directed Studies in Advanced Statistics I
- 6004 Directed Studies in Advanced Statistics II
- 6010 Colloquium Series in Psychology (repeatable, non-credit)
- 6100-6130 Special Topics in Experimental Psychology
- 6200 Learning I
- 6201 Learning II
- 6203 Behavioural Pharmacology
- 6210 Behavioural Analysis of Toxins
- 6351 Behavioural Ecology and Sociobiology (*cross-listed as CABE 6351*)
- 6400 Theory and Methods in Social Psychology
- 6401 Social Cognition
- 6402 Group Processes
- 6403 Program Evaluation and Applied Research
- 6404 Project in Applied Psychological Science (*Note: This course is open only to students in the Master of Applied Psychological Science*)
- 6500 Developmental Psychology I
- 6501 Developmental Psychology II

- 6502 Developmental Changes During Old Age
- 6700 Perception
- 6710 Human Information Processing
- 6720 Human Memory
- 6800 Behavioural Neuroscience I
- 6801 Behavioural Neuroscience II
- 6810 Psychometrics
- 6910 Personality
- 699A/B Core Graduate Seminar in Psychology

36.32.3 Courses

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

- 6000 Advanced Statistics in Psychology
- 6001 Research Design
- 6002 Advanced Statistics in Psychology II
- 6003 Directed Studies in Advanced Statistics I
- 6004 Directed Studies in Advanced Statistics II
- 6100-6130 Special Topics in Experimental Psychology
- 6200 Learning I
- 6201 Learning II
- 6203 Behavioural Pharmacology
- 6210 Behavioural Analysis of Toxins
- 6351 Behavioural Ecology and Sociobiology (*cross-listed as CABE 6351*)
- 6400 Theory and Methods in Social Psychology
- 6401 Social Cognition
- 6402 Group Processes
- 6403 Program Evaluation and Applied Research
- 6404 Project in Applied Psychological Science (*This course is open only to students in the Master of Applied Psychological Science*)
- 6500 Developmental Psychology I
- 6501 Developmental Psychology II
- 6502 Developmental Changes During Old Age
- 6700 Perception
- 6710 Human Information Processing
- 6720 Human Memory
- 6800 Behavioural Neuroscience I
- 6801 Behavioural Neuroscience II
- 6810 Psychometrics
- 6910 Personality
- 6990 Doctoral Seminar I
- 6991 Doctoral Seminar II
- 6992 Doctoral Seminar in Cognitive and Behavioural Ecology (*cross-listed as CABE 6992*)
- 699A/B Core Graduate Seminar in Psychology

36.32 Psychology

- www.mun.ca/sgs/contacts/sgscontacts.php

- www.mun.ca/science
- www.mun.ca/psychology

The Degree of Master of Science (M.Sc.) is offered in Experimental Psychology. Interested students should also see the **Master of Science in Cognitive and Behavioural Ecology**. The Degree of Doctor of Philosophy is offered in Experimental Psychology. Interested students may wish to consult the section in the Calendar describing the **Doctor of Philosophy in Cognitive and Behavioural Ecology program**.

36.32.1 Admission

1. All applicants are required to submit results from the General section of the Graduate Record Examinations.
2. At least one letter of reference should come from someone who is familiar with the applicant's research capability.

36.32.2 Program of Study

1. An applicant must hold either a Master's Degree or an Honours Bachelor's Degree with first class standing to be considered for admission. The program of study will be specified at the time of admission. Decisions on (a) whether to include courses in the program, and if so, (b) which specific courses are to be included will be based on the student's background and the proposed thesis topic.
2. **Comprehensive Examination**
The Ph.D. comprehensive in Experimental Psychology shall be taken during the first year of the student's program. The examination will consist of two parts. Part 1 consists of a broad review of the literature that normally pertains to the topic of the thesis area. The literature review should incorporate theoretical, methodological, and empirical findings. Part 2 consists of an oral defence of the literature review. The comprehensive exam aims to ensure that the student is knowledgeable about the range of theories, methodologies, and empirical findings that are fundamental to the chosen field of study. The examination committee for the comprehensive exam will be created according to section 4.8.2 of the calendar, except that the Supervisor and the Chairperson of the examination committee shall not be voting members.

7. ANY OTHER BUSINESS

a. Pass With Distinction

SGS will put one more call out for comments on this topic after which a motion will be put to Academic Council.

It was noted that Medicine did conduct a survey of 100 students who are either current or completed, of which 39 responses were received. 72% were in favor of eliminating this designation for comprehensive examinations, and 64 % were in favour of eliminating this designation for oral defence of theses.

Members of Council are asked to think of other ways to recognize excellence comprehensive examinations and thesis defences.

8. NOTICE OF MOTION

9. ADJOURNMENT

The meeting adjourned at 4:40 p.m.

Aimée Surprenant, Chair

Echo Pittman, Secretary