

**SENATE MEETING
PUBLIC SESSION
MINUTES**

February 13, 2008

3:30 – 5:30 PM

Room 7-172 Bentley Centre - Prince George Campus

Present:

E. Annis, J. Bankole, D. Casperson, D. Cozzetto, S. Dery, H. Domshy, B. Ellis, D. Hemingway, J. Holler, G. Hopkins, K. Hutchings, J. Hyndman, E. Jensen, K. Kielly (Secretary of Senate), D. Kimmie, T. Knudsen, J. Li, D. Macknak, G. Martel, B. McGill, A. Michalos, C. Myers (Recording), A. Nussbaumer, J. Randall, E. Rapaport, M. Reid, S. Rennebohm, R. Robinson, J. Safaei Boroojy, E. Sharp, T. Shaw, D. Tasa

Regrets:

E. Kinghorn, H. Li, D. Nyce, E. Owen-Williams, B. Simard, M. Thomson, R. Thring, S. Wagner

Guests:

L. McNamara, L. Pattie

The meeting commenced at 3:30 p.m.

1.0 S-200802.01

Approval of the Agenda

Hutchings / Rapaport

That the Agenda for the February 13, 2008 Public Session of Senate be approved, with the following revision:

- Given the length of the agenda, that agenda item 6.0 (Question Period) be moved to directly after agenda item 7.4.1.

CARRIED.

Motion to amend the agenda:

Hyndman / Casperson

That the agenda be amended to include item S-200802.98A (Change to Program Requirements — BSc in Natural Resources Management — Wildlife and Fisheries Major)

Dr. Cozzetto noted that, for this motion to pass, a two-thirds majority vote of Senators would be required.

CARRIED.

The motion to approve the agenda, with revisions, was CARRIED.

2.0 S-200802.02

Approval of Minutes

Dery / Domshy

That the Minutes of the January 16, 2008 Public Session of Senate be approved as presented.
CARRIED.

3.0 Business Arising from Previous Minutes of Senate

3.1 Student Access to the Northern Sport Centre (no material) (Len McNamara and Lynda Pattie attending)

Several questions regarding the use of biometrics at the Northern Sport Centre (NSC) were posed to Mr. McNamara and Ms. Pattie, to which they responded. Major points that were discussed were the possible use of other methods of access, such as swipe cards or PIN numbers. It was noted that every door in the NSC is equipped with two methods of entry, but it has not yet been decided how those will be used. It was reiterated that, if students have concerns about methods of entry or anything else at the NSC, the proper course of action is to bring this to the student representative on the Board of the Northern Sport Centre Ltd., who was Cameron Ehl from NUGSS.

4.0 President's Report

Cozzetto

The President indicated that, given the length of the agenda, he had nothing to report at this time.

5.0 Report of the Provost

Randall

The Provost provided a brief report on the status of the Academic Visioning Initiative (AVI) work, noting that the Academic Alignment Working Group had met that morning, and would be releasing draft recommendations on alignment this week. He added that a meeting of the AVI Steering Committee would be held on Friday, and that, with regard to the proposed recommendations, input would be sought from all quarters, through such venues as Town Hall meetings.

6.0 Question Period

As a result of revisions to the agenda, Question Period was moved to later in the meeting.

7.0 Committee Reports

7.1. Senate Committee on Academic Policy and Planning

Randall

S-200802.03

New Course Approval — ENGL 120-3

Randall / Casperson

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the new course ENGL 120-3 Introduction to Canadian Native Literatures be approved as proposed.

Proposed semester of first offering: May 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

This course offers an introduction to the study of Canada's Native literatures, including traditional oral narratives, drama, poetry, and fiction.

An Executive Summary of proposed History curriculum changes was included for information.

It was proposed that motions S-200802.04 to S-200802.07 be moved as an omnibus motion, to which there was unanimous consent.

S-200802.04

New Course Approval — HIST 330-3

Randall / Martel

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the new course HIST 330-3 Lectures in Indigenous History be approved as proposed.

Proposed semester of first offering: May 2008

CARRIED.

It was questioned whether this motion had been vetted through the Senate Committee on First Nations and Aboriginal Peoples, to which it was determined it had not, but should have been. The Provost reminded Senators that there was an omnibus motion on the floor.

Motion to amend omnibus motion:

That motions S-200802.04 to S-200802.07 be moved as an omnibus motion, but that the new course, HIST 330, also be forwarded to the Senate Committee on First Nations and Aboriginal Peoples for review.

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

This course examines the political, social, and economic history in one or more specified Indigenous area(s) and period(s). The topics under study vary according to the expertise of the instructor and may include areas world wide. When the subject matter differs substantively the course may be repeated for a maximum of six credit hours with the permission of the instructor and the Program Chair.

Credit Hours: Three (3) can be repeated for up to 6 credits providing content differs substantially.

Prerequisites: One course in FNST or HIST or permission of the instructor

Preclusions: HIST 390 and HIST 391

S-200802.05

New Course Approval — HIST 331-3

Randall / Martel

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the new course HIST 331-3 Lectures in Military History be approved as proposed.

Proposed semester of first offering: May 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

This course examines the military history in one or more specified nations and/or periods. The topics under study vary according to the expertise of the instructor and

may include: the origins and causes of war; the impact of new technologies on tactics and strategy; military and naval innovation and resistance to innovation; the changing relationship of offense and defense; the concept of mass war; and the relationship of military institutions to society. When the subject matter differs substantively the course may be repeated for a maximum of six credit hours with the permission of the instructor and the Program Chair.

Credit Hours: Three (3) can be repeated for up to 6 credits providing content differs substantially.

Prerequisites: One History course or permission of the instructor

S-200802.06

New Course Approval — HIST 332-3

Randall / Martel

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the new course HIST 332-3 Lectures in Social History be approved as proposed.

Proposed semester of first offering: May 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

This course examines the social history in relation to regional, national, or international contexts through time in one or more specified nations and/or periods. The topics under study vary according to the expertise of the instructor and may include major social changes, the social origins of major historical events, or the history of particular social movements. When the subject matter differs substantively the course may be repeated for a maximum of six credit hours with the permission of the instructor and the Program Chair.

Credit Hours: Three (3) can be repeated for up to 6 credits providing content differs substantially.

Prerequisites: One History course or permission of the instructor

S-200802.07

New Course Approval — HIST 333-3(6)

Randall / Martel

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the new course HIST 333-3(6) Lectures in Cultural History be approved as proposed.

Proposed semester of first offering: May 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

This course examines the cultural history in one or more specified nations and/or periods. The topics under study vary according to the expertise of the instructor and

may include surveys in cultural events such as the Renaissance or Modernism or examination of how events such as war, economic crisis, technological change, or changing notions of gender or race have shaped culture through time or within specific periods or regions. When the subject matter differs substantively the course may be repeated for a maximum of six credit hours with the permission of the instructor and the Program Chair.

Credit Hours: Three (3) can be repeated for up to 6 credits providing content differs substantially.

Prerequisites: One history course or permission of the instructor.

An Executive Summary of proposed changes to the Economics Curriculum was included for information.

S-200802.08

Course Deletion — ECON 303-3

Martel / Hyndman

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the course ECON 303-3 Economics of Technological Change be deleted.

Effective date: May 2008

CARRIED.

An Executive Summary for the Education Post-Baccalaureate Diploma Program (Montessori Education) Proposal was included for information.

It was proposed that motions S-200802.09 to S-200802.16 be moved as an omnibus motion, to which there was unanimous consent.

S-200802.09

New Course Approval — EDUC 570-3

Rennebohm / Hyndman

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the new course EDUC 570-3 Montessori Theory be approved as proposed.

Proposed semester of first offering: May 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strikethrough~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

This course is designed to provide a comprehensive overview of the Montessori preschool years (ages 3-6). It includes lectures and seminars on Montessori educational theory, philosophy, and preschool curriculum. The course is required of students who are not Montessori 3-6 certified.

S-200802.10

New Course Approval — EDUC 571-3

Rennebohm / Hyndman

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the new course EDUC 571-3 Montessori Curriculum and Instruction: Language be approved as proposed.

Proposed semester of first offering: May 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

This course prepares the student to implement an integrated approach to language literacy and cultural studies consistent with Montessori pedagogy. Demonstration, lecture presentations, small group discussion, and supervised practice with materials are utilized.

S-200802.11

New Course Approval — EDUC 572-3

Rennebohm / Hyndman

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the new course EDUC 572-3 Montessori in Context (Child Development) be approved as proposed.

Proposed semester of first offering: May 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

Students examine Maria Montessori's philosophical beliefs. The integration of philosophy, current research in the area of child development, and content pedagogy is the focus of this component of the program. Lecture presentations, small group discussion, and independent and small group research projects are utilized.

S-200802.12

New Course Approval — EDUC 573-3

Rennebohm / Hyndman

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the new course EDUC 573-3 Montessori Curriculum and Instruction – Scientific Literacy be approved as proposed.

Proposed semester of first offering: May 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

This course focuses on the development and refinement of knowledge and skills necessary for full implementation of the Montessori approach to Cosmic Education and the elementary cultural studies curriculum. The course provides a constructivist approach to the integration of Cosmic Education, Science and Practical Life/Technology. Through hands on experience, research, small group projects, lecture, and demonstration students develop and refine competency in scientific literacy.

S-200802.13

New Course Approval — EDUC 574-3

Rennebohm / Hyndman

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the new course EDUC 574-3 Montessori Curriculum and Instruction – Mathematics Education be approved as proposed.

Proposed semester of first offering: May 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

This course is designed to prepare the student to present the Montessori mathematics curriculum and facilitate the development of mathematics in a Montessori Elementary class (ages 6-12). Demonstration, lecture presentations, and supervised practice with didactic materials provide links between Montessori pedagogy and mathematical concepts.

S-200802.14

New Course Approval — EDUC 575-3

Rennebohm / Hyndman

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the new course EDUC 575-3 Montessori Integrated Cultural Studies and Field Study Planning be approved as proposed.

Proposed semester of first offering: May 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

In this course, students research, design, and demonstrate appropriate materials and activities that reflect an integration of history, geography, the sciences, and creative arts. Topics include the scope and importance of movement, nutrition and physical exercise for the development of the whole child and an understanding of an integrated and interdisciplinary approach to education and an ability to apply Montessori principles in preparation for a field study and portfolio. Lecture, demonstration, field trips, discussion, participation in physical activities, and individual research projects are utilized.

S-200802.15

New Course Approval — EDUC 576-3

Rennebohm / Hyndman

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the new course EDUC 576-3 Montessori Integrated Cultural Studies Field Study be approved as proposed.

Proposed semester of first offering: May 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

The function of the Field Study/Practicum Phase is to provide for the student a supervised teaching/learning experience and a period of observation, internalization, and further study, to bring together the theory and practice of Montessori Education.

S-200802.16

New Course Approval — EDUC 577-3

Rennebohm / Hyndman

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the new course EDUC 577-3 Montessori Portfolio be approved as proposed.

Proposed semester of first offering: May 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

This course is the culmination of the Montessori Education Program and results in the production of a print-based or electronic portfolio. Students provide artifacts from their coursework and professional experience that demonstrate a definite understanding of the Montessori theory and practice. The media include video, audio, student assessment, and any related evidence.

S-200802.17

Revised Calendar Description — Education Post-Baccalaureate Diploma Program (Addition of Montessori Education)

Annis / Tasa

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the current Calendar description of the Post-Baccalaureate Diploma Program be revised to include the addition of the new focus area, with accompanying eight courses, of Montessori Education.

Proposed semester of first offering: May 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

Post-Baccalaureate Diploma (Curriculum & Instructional Studies and Montessori Education)

Program ~~Director~~: Coordinator, Andrew Kitchenham

Willow Brown, Assistant Professor

Colin Chasteauneuf, Assistant Professor

Bryan Hartman, Professor

Andrew Kitchenham, Associate Professor

Judith Lapadat, Professor

Peter MacMillan, Associate Professor

Monty Palmantier, Lecturer

Dennis Procter, Assistant Professor

Lantana Usman, Assistant Professor

Website: www.unbc.ca/education/pbdp

The Post-Baccalaureate Diploma program and courses within it are designed to advance the professional knowledge and skills of practicing K-12 teachers. Diploma requirements are coherent with the BC Teacher Qualification requirement for 30 credits in a focused area of study for an increase in professional certification from level 4 to 5. Admission is on a course by course basis to accommodate teachers who may want to increase their competency or update their knowledge and skills in a particular area of instruction. Flexible admission also allows for teachers to select the variable number of courses required to increase professional standing to the “five plus” category currently administered by some school districts.

Admission

Applicants applying for admittance to the Diploma Program require a four-year (120 credit hours) undergraduate degree from a UNBC-recognized university completed with a cumulative grade point average of 2.0 or better. Applicants must have the ability to study and work in English. An additional requirement for this Post-Baccalaureate Diploma is that students possess a current teaching certificate or are admitted with the approval of the admissions committee.

The number of spaces in each course offered in the Post-Baccalaureate Diploma program is limited; therefore, course registration will be on a first come first served basis until the specified course is full. This program admits new students three times per year, at the start of each term: October 30 for the January Term, April 30 for July/August courses, and June 30 for the September Term.

To accommodate practicing teachers, Diploma courses are offered in the late afternoon or evening, on weekends, and during the summer. It is recommended that students plan to make full use of the Summer Session offerings to complete the Diploma within the ten year time limit. It is recommended that students complete the two compulsory courses early in their program of studies.

Applicants are required to submit proof of a recent criminal records check (within five years). Students are expected to abide by expectations for professional conduct for the teaching profession in British Columbia.

Program Requirements

Completion of a Post-Baccalaureate Diploma is achieved with 30 credits of coursework, including two compulsory courses and eight electives.

Students may be granted credit for up to 15 credits of upper division coursework from another recognized institution, provided that such courses have not been associated with the receipt of a degree or diploma.

The focus ~~area~~ areas offered at this time ~~is~~ are Curriculum and Instructional Studies and Montessori Education.

Required Courses

[EDUC 500-3](#) Teacher Leadership

One of the following:

[EDUC 501-3](#) Action Research in Schools and Classrooms

[EDUC 502-3](#) Interpretation and Application of Educational Research

Elective Courses (Curriculum and Instruction)

[EDUC 504-3](#) Instructional Leadership for Cooperating Teachers

(a weekend seminar to follow classroom supervision of extended B.Ed. practicum and to reflect on these mentorship experiences in terms of the instructional leadership literature)

[EDUC 521-3](#) Classroom Assessment Practices

[EDUC 523-3](#) Teaching for Social Responsibility

EDUC 528-3	Numeracy Strategies for Struggling Learners
EDUC 531-3	Applications of Educational Technology
EDUC 533-3	Human Development: Implications for Education
EDUC 534-3	Achievement Motivation
EDUC 535-3	Learning and Diversity: Inclusive Classrooms
EDUC 541-3	Principles of Instruction
EDUC 546-3	First Nations Education
EDUC 551-3	Mathematics Education
EDUC 552-3	Science Education
EDUC 553-3	Social Studies Education
EDUC 554-3	Literacy Strategies for Struggling Learners
EDUC 558-3	Language Arts Education
EDUC 559-3	Second Language Instruction
EDUC 580-3	Visual Arts Across the Curriculum
EDUC 581-3	Performing Arts Across the Curriculum
EDUC 592-3	Special Topics (no limit as to the number of these courses)
EDUC 593-3	Directed Readings
EDUC 594-3	Self-Directed Professional Development

Elective Courses (Montessori Education)

EDUC 570-3	Montessori Theory
EDUC 571-3	Montessori Curriculum and Instruction: Language
EDUC 572-3	Montessori in Context: Child Development
EDUC 573-3	Montessori Curriculum and Instruction: Scientific Literacy
EDUC 574-3	Montessori Curriculum and Instruction: Mathematics
EDUC 575-3	Montessori Integrated Cultural Studies and Field Study Planning
EDUC 576-3	Montessori Integrated Studies Field Study
EDUC 577-3	Montessori Portfolio

An Executive Summary for NCBNP 3rd & 4th Year Course Changes was included for information.

It was proposed that motions S-200802.18 to S-200802.21 be moved as an omnibus motion, to which there was unanimous consent.

S-200802.18

New Course Approval — NURS 317-3

Rennebohm / Hopkins

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the new course NURS 317-3 Maternity Nursing Theory be approved as proposed.

Proposed semester of first offering: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

This course provides a theoretical foundation for the provision of nursing care to diverse and multicultural women, neonates, and families that is woman- and family-centred. Emphasis is on integration and application of evidence-based theory from nursing and related fields, CRNBC standards for nursing practice, communication, and critical thinking with the nursing process.

Pre- or co-requisites: NURS 220-5 or permission of the Program Chair

Preclusions: NURS 310-3

S-200802.19

New Course Approval — NURS 318-3

Rennebohm / Hopkins

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the new course NURS 318-3 Pediatric Nursing Theory be approved as proposed.

Proposed semester of first offering: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

This course emphasizes the nursing care of children and adolescents with acute and chronic conditions who require medical and/or surgical interventions, with particular attention to common health problems found in northern populations and First Nations groups. The course also addresses the impact of illness, hospitalization, surgery, disability, and terminal illness on the child or adolescent and on their family. Concepts related to health promotion, the effect of genetics and environment on the health of children, and the influence of social determinants of health on children and adolescents are introduced.

Pre- or co-requisites: NURS 220-5 or permission of the Program Chair

Preclusions: NURS 310-3

S-200802.20

New Course Approval — NURS 321-2.5

Rennebohm / Hopkins

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the new course NURS 321-2.5 Maternity Nursing Clinical be approved as proposed.

Proposed semester of first offering: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

The focus of this course is on integration and application of relevant theory in practice with childbearing women, infants and families using the nursing process. Emphasis is on the role of the nurse as caregiver and collaborator with women and the health care team for woman- and family-centered practice with clients of diverse and multicultural backgrounds.

Pre- or co-requisites: NURS 317-3

Preclusions: NURS 311-5

S-200802.21

New Course Approval — NURS 322-2.5

Rennebohm / Hopkins

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the new course NURS 322-2.5 Pediatric Nursing Clinical be approved as proposed.

Proposed semester of first offering: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

This course focuses on the most common acute and long-term health problems of the pediatric clients. The health care needs of infants, children and adolescents, with a focus on health promotion, risk reduction, and disease prevention, are emphasized. The effects of illness and hospitalization on the child and family unit are also explored. Clinical experiences occur in pediatric and community health settings and provide opportunities to apply pediatric nursing knowledge in clinical situations.

Pre- or co-requisites: NURS 318-3

Preclusions: NURS 311-5

It was proposed that motions S-200802.22 to S-200802.27 be moved as an omnibus motion, to which there was unanimous consent.

S-200802.22

Change to Calendar Course Description and Credit Hours — NURS 440-3, 8

Robinson / Rapaport

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the changes to the course description and credit hours for NURS 440-8 Practicum: Community Health Nursing be approved as proposed.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

NURS 440-3, 5, 8 Practicum: Community Health Nursing This course facilitates the integration and application of concepts and models related to community health nursing. It provides the opportunity for students to acquire skills needed to contribute to services and programs in the community. Emphasis is on the nurse as a partner with the community. The NCBNP requires ~~an~~ a 5 or 8 credit practicum, and Post-Diploma BScN students complete a 3 credit practicum.

Pre- or co-requisites: NURS 420-3 or equivalent. All courses in the NCBNP must be completed prior to or concurrently with NURS 440-5 or NURS 440-8

S-200802.23

Change to Calendar Course Description and Credit Hours — NURS 441-3, 8

Robinson / Rapaport

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the changes to the course description and credit hours for NURS 441-3, 8 Practicum: First Nations Health and Nursing be approved as proposed.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

NURS 441-3, 5, 8 Practicum: First Nations Health and Nursing This course provides clinical experiences for nursing students interested in working with First Nations clients, families, and communities. Clinical experiences are in agencies within First Nations communities, or in agencies that primarily serve First Nations clients. The NCBNP requires ~~an~~ a 5 or 8 credit practicum, and Post-Diploma BScN students complete a 3 credit practicum.

Pre- or co-requisites: NURS 422-3. All courses in the NCBNP must be taken prior to or concurrently with NURS 441-5 or NURS 441-8

S-200802.24

Change to Calendar Course Description and Credit Hours — NURS 442-3, 8

Robinson / Rapaport

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the changes to the course description and credit hours for NURS 442-3, 8 Practicum: Rural Nursing be approved as proposed.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

NURS 442-3, 5, 8 Practicum: Rural Nursing This course facilitates the integration and application of knowledge and skills in rural nursing. Clinical experiences are located in rural hospitals, treatment and diagnostic centres, or community mental health agencies serving rural communities. The NCBNP requires ~~an~~ a 5 or 8 credit practicum, and Post-Diploma BScN students complete a 3 credit practicum.

Pre- or co-requisites: NURS 424-3. All courses in the NCBNP must be taken prior to or concurrently with NURS 442-5 or NURS 442-8

S-200802.25

Change to Calendar Course Description and Credit Hours — NURS 443-3, 8

Robinson / Rapaport

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the changes to the course description and credit hours for NURS 443-3, 8 Practicum: Acute Care Nursing be approved as proposed.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

NURS 443-3, 5, 8 Practicum: Acute Care Nursing This course enables students to consolidate and extend knowledge and ability in acute care nursing practice. Clinical practice occurs with client populations requiring acute treatment and interventions. The NCBNP requires ~~an~~ a 5 or 8 credit practicum, and Post-Diploma BScN students complete a 3 credit practicum.

Pre- or co-requisites: NURS 426-3 or equivalent; all courses in the NCBNP must be taken prior to or concurrently with NURS 443-5 or NURS 443-8

S-200802.26

Change to Calendar Course Description and Credit Hours — NURS 444-3, 8

Robinson / Rapaport

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the changes to the course description and credit hours for NURS 444-3, 8 Practicum: Mental Health Nursing be approved as proposed.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

NURS 444-3, 8 Practicum: Mental Health Nursing This course provides the opportunity for students to integrate and apply relevant theoretical and clinical knowledge in a variety of mental health clinical settings. It provides the opportunity to work with clients with a range of mental health problems, such as substance use and/or misuse, acute mental health problems that necessitate hospitalization, and long term mental health problems that are addressed through community mental health services. The NCBNP requires an 8 credit practicum, and Post-Diploma BScN students complete a 3 credit practicum.

Pre- or co-requisites: NURS 432-3 or equivalent. All courses in the NCBNP must be taken prior to or concurrently with NURS 444-8.

S-200802.27

Change to Calendar Course Description and Credit Hours — NURS 445-3, 8

Robinson / Rapaport

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the changes to the course description and credit hours for NURS 445-3, 8 Practicum: Maternal and Child Nursing be approved as proposed.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

NURS 445-3, 5, 8 Practicum: Maternal and Child Nursing This course facilitates the integration and application of perinatal and/or pediatric nursing knowledge and skills in the practice setting. Emphasis in the perinatal stream is on a woman- and family-centred approach to pregnancy, childbearing, and newborn care. This is carried forward into the pediatric stream with

a family-centred approach for nursing care of children and adolescents. Practice experience may be with healthy clients as well as those with complex health issues. Clinical experiences may be in acute or community settings. The NCBNP requires ~~an~~ a 5 or 8 credit practicum, and Post-Diploma BScN students complete a 3 credit practicum.

Pre- or co-requisites: NURS 434-3 or equivalent. All courses in the NCBNP must be taken prior to or concurrently with NURS 445-5 or NURS 445-8

It was proposed that motions S-200802.28 and S-200802.29 be moved as an omnibus motion, to which there was unanimous consent.

S-200802.28

Course Deletion — NURS 310-3

Domshy / Dery

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, NURS 310-3 Nursing Practice with the Childbearing Family be deleted from the calendar.

Effective date: September 2008

CARRIED.

S-200802.29

Course Deletion — NURS 311-5

Domshy / Dery

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, NURS 311-5 Clinical Practicum: Childbearing Family be deleted from the calendar.

Effective date: September 2008

CARRIED.

It was proposed that motions S-200802.30 to S-200802.33 be moved as an omnibus motion, to which there was unanimous consent.

S-200802.30

Change to Program Requirements — NCBNP Third and Fourth Year Requirements

Hutchings / Annis

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the changes to the third and fourth year requirements for the NCBNP be approved as proposed.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strikethrough~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

Upper Division Requirement

300 Level

NURS 304-3 Introduction to Nursing Knowledge

NURS 306-3 Introduction to Epidemiology

NURS 308-3 Ethics and Law in Nursing

~~NURS 310-3 Nursing Practice with the Childbearing Family~~

~~NURS 311-5 Clinical Practicum: Childbearing Family~~

NURS 312-3 Mental Health Nursing Practice

NURS 313-3 Nursing Practice with the Elderly Adult

NURS 315-2.5 Clinical Practicum: Mental Health

NURS 316-2.5 Clinical Practicum: Elderly Adult
NURS 317-3 Maternity Nursing Theory
NURS 318-3 Pediatric Nursing Theory
NURS 320-5 Extended Clinical Practicum II
NURS 321-2.5 Maternity Nursing Clinical
NURS 322-2.5 Pediatric Nursing Clinical

400 Level

NURS 403-3 Introduction to Nursing Research
NURS 408-3 Nursing Leadership
NURS 415-3 Introduction to Community Health and Nursing
NURS 416-4 Clinical Practicum: Community Nursing
POLS 403-3 Social and Health Policy and Administration

At least one of the following areas of clinical focus:

both NURS 420-3 Community Health Nursing
and NURS 440-85 Practicum: Community Health Nursing
or
both NURS 422-3 First Nations Health and Nursing
and NURS 441-85 Practicum: First Nations Health and Nursing
or
both NURS 424-3 Rural Nursing
and NURS 442-85 Practicum: Rural Nursing
or
both NURS 426-3 Acute Care Nursing
and NURS 443-85 Practicum: Acute Care Nursing
or
both NURS 432-3 Mental Health Nursing
and NURS 444-85 Practicum: Mental Health Nursing
or
both NURS 434-3 Maternal and Child Nursing
and NURS 445-85 Practicum: Maternal and Child Nursing

S-200802.31

Change to Program Requirements — Nursing

Hutchings / Annis

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the Nursing Program calendar entry (page 151-152 of the 2007-08 calendar) be revised as proposed.

Effective date: May 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strikethrough~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

Health Assessment, Immunization & CPR Certification

All students accepted into the undergraduate nursing program will be sent documentation and information regarding health status and immunization policies. ~~Prior to registration in courses, all~~ Once accepted to the NCBNP, Certificate, or Post-Diploma programs, all students must submit:

- a health assessment completed and signed by a physician within 12 months prior to the commencement of course work which testifies that the applicant is able to undertake nursing studies, including clinical practica.
- record of immunization status. Current status for the following immunizations is strongly recommended: diphtheria, tetanus, poliomyelitis, measles, mumps, rubella, hepatitis B and varicella. A Mantoux test (PPD) for tuberculosis is also strongly recommended. Completed immunization forms for the NCBNP must be submitted to the Admissions Office at the institution the student is currently attending prior to March 31 in the first year of attendance. Students entering the Certificate or Post-Diploma BScN must complete and submit specified immunization forms prior to commencing a course with a clinical component. Failure to do so may result in the student not being allowed to practice in the clinical setting.
- documentation of CPR certification, level C, which must be maintained throughout the program. Proof of CPR certification must be submitted prior to commencement of classes.
CPR must be recertified every two years regardless of expiry date on the card.

Clinical Practica Scheduling and Expectations

Clinical practica may be configured and offered outside the existing timetable structure and sessional dates, such as a four or six week block. The students in the NCBNP must complete a consolidating nursing practicum following both their fourth and sixth semesters of study in the program.

Attendance in each nursing practicum course is mandatory. Students may only miss clinical hours for approved reasons following prior consultation with their clinical instructor. Students who miss more than 10% of their total required practicum experience hours will be considered at risk for failure and may be required to withdraw from the course.

Program Costs

Costs associated with study in the BScN programs are the responsibility of the individual student, including transportation costs and any expenses involved in academic studies, lab, and clinical practica. Students may be required to complete clinical experiences at sites other than Prince George, Quesnel, or Terrace. Provision for all travel, accommodation, and living expenses associated with required clinical practice is the sole responsibility of the student.

Academic Performance

The student is subject to all policies and regulations of the institution(s) where they are registered for courses. In matters related to academic appeals and academic dishonesty, students are subject

to the policies and rules of the institution where they are registered for courses. Issues related to progression through the program, such as probation, are governed by UNBC guidelines on academic standing and continuance.

Students may repeat a nursing course once. Students who fail do not obtain the minimum passing grade, as defined under 'Qualification for Degree', in a required nursing course twice are required to withdraw from the program. A student who is required to withdraw from a required clinical course due to unsatisfactory performance will automatically be assigned a grade of F.

Qualification for Degree

It is the responsibility of the student to ensure that his/her degree or certificate requirements are met. Graduation requirements are found in the Regulations and Policies section of this Calendar. To fulfill the requirements of graduation, the student must:

- ~~• attain a minimum cumulative GPA of 2.33 (C+) on courses for credit towards the degree.~~
- ~~• obtain a minimum passing grade of 2.00 (C) in all nursing courses for credit towards the degree with the exception of designated clinical practica nursing courses where a passing grade (P) is required.~~
- ~~• complete all requirements for either BScN program within eight years of admission into the program or from the first nursing course used for credit towards the degree.~~

- attain a minimum cumulative GPA of 2.33 (C+) on all courses used for credit towards the degree or certificate
- obtain a minimum passing grade of 2.00 (C) in the following courses, or their equivalents, as applicable to the specific program:
 - all NURS courses, including NURS electives, with the exception of designated clinical practica nursing courses which require a passing grade of (P)
 - all HHSC courses
 - ANTH 101-3
 - MATH 242-3
 - POLS 403-3
- complete all requirements for the appropriate program as follows:
 - NCBNP BScN within eight years, starting with the first semester of registration in a NURS course in the NCBNP at UNBC or one of its collaborative partner institutions
 - Post-Diploma BScN within eight years, starting with the first semester of registration in a NURS course in the Post-Diploma BScN at UNBC

- Certificate program within six years, starting with the first semester of registration in a NURS course in the Certificate program at UNBC

Transfer Credit

~~Transfer credit and/or advanced standing may be awarded for course work completed at other recognized institutions. All transfer credit for course work taken prior to admission to the BScN program will be evaluated at the request of the student, and applied at the time of initial registration in the program. Once admitted to the nursing program, course work taken in other institutions for transfer credit towards the degree requires a Letter of Permission prior to registration in the course.~~

Letter of Permission

Once admitted to the nursing program, students who want to take course work at other institutions for transfer credit towards the degree may require a Letter of Permission prior to registration in the course. Students should contact the Nursing Advisor at the institution they are currently attending for further information. (Refer to Academic Regulations #17 in this Calendar).

Course Challenge

Course challenge is available for up to six credits of the required nursing courses in the Post-Diploma Baccalaureate Nursing program. Up to six credits of course challenge may be applied towards the degree if less than nine credit hours of nursing courses have been transferred in. Only three credits of course challenge can apply towards the degree if the maximum of nine credit hours in nursing have been transferred in.

Part-time Studies

With prior approval by the Nursing Advisor at the institution the student is applying to or currently attending, and subject to course availability, undergraduate Nursing programs may be taken on a part-time basis; however, students may be required to enrol full-time during a portion of their program.

Leave of Absence

Students wanting to take a Leave of Absence must apply, in writing, to the Nursing Advisor at the institution that the student is currently attending. Upon approval, students are eligible for up to a one year Leave of Absence. Students who do not apply for a Leave of Absence will be considered to be out-of-sequence and will lose their priority for registration.

Withdrawal from the Nursing Program

Students who voluntarily withdraw from the Nursing program must notify, in writing, the Nursing Advisor at the institution that the student is currently attending. Where students fail to notify the Nursing Advisor, the Nursing Advisor will deem a student to have voluntarily withdrawn from the Nursing program where the student has not registered in Nursing courses in any of the last three semesters.

Northern Collaborative Baccalaureate Nursing Program

The Northern Collaborative Baccalaureate Nursing Program requires students to take at least 95 credit hours of Nursing courses. The minimum requirement for completion of a Bachelor of Science in Nursing is 134 credit hours.

~~The total transfer credit awarded on the basis of acceptable work completed at other recognized institutions may not exceed 60 credit hours. Nursing courses must have been completed within the five years prior to admission to be eligible for transfer credit into the nursing program.~~

Transfer Credit

Transfer credit and/or advanced standing may be awarded for course work completed at other recognized institutions. All transfer credit for course work taken prior to admission to the BScN program will be evaluated at the request of the student, and applied at the time of initial registration in the program.

The total transfer credit awarded on the basis of acceptable course work completed at non-collaborative partner institutions may not exceed 60 credit hours. Nursing courses must have been completed within five years prior to admission to be eligible for transfer credit into the nursing program.

Admission Requirements

S-200802.32

Change to Program Requirements — LPN Addition to NCBNP Admission Requirements

Hutchings / Annis

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the NCBNP Admission requirements (page 152 of the 2007-08 calendar) be revised as proposed.

Effective date: May 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strikethrough~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

Admission Requirements

Self-identified Aboriginal applicants who meet or exceed the minimum requirements for admission to the program will be given priority for up to twenty percent (20%) of the first-year seats for the Northern Collaborative Baccalaureate Nursing Program (NCBNP).

Admission is based on academic qualifications and available space. Priority admission will be given to students who meet admission criteria (see Admissions Section in this calendar) and apply by the deadline of March 31. Applications received after the deadline may be reviewed based on available space in the program.

Applicants from BC and Yukon secondary schools must:

- meet UNBC admission requirements, and
- have completed Principles of Math 11, English 12, Biology 12, Chemistry 11 with a minimum C+ (65%) in each course

Other applicants must:

- meet UNBC admission requirements, and
- have completed the equivalent of Principles of Math 11, English 12, Biology 12, Chemistry 11 with a minimum of C+ (65%) in each course

Admission Requirements: Licensed Practical Nurse (LPN) Access

Licensed Practical Nurses (LPNs) who are applying for admission to the NCBNP must:

- meet all Northern Collaborative Baccalaureate Nursing Program admission requirements
- be a graduate of a Practical Nursing program recognized by the College of Licensed Practical Nurses of BC (CLPNBC) since 1994
- have current practising or be eligible for practising registration with the CLPNBC
- have practised as a LPN for a minimum of 1700 hours in a patient care setting during the last 4 years, OR graduated from a BC Practical Nursing Program within the year of application. Proof of worked hours must be submitted with application and can be obtained from employers

LPN applicants will be assessed on an individual basis and may be eligible for up to a maximum of 24 transfer credit hours of Nursing courses.

Applicants who have completed a BC Practical Nursing Certificate prior to 1994, or have completed a certificate or diploma from a program outside of BC, may not be exempt from any of the first or second year nursing courses.

All successful LPN applicants must meet individually with the Nursing Advisor at the institution to which they are applying in order to be referred to a Nursing Faculty member for transfer credit and proficiency assessment.

~~In order to meet the graduation requirements for a BScN, the student must successfully complete the following courses:~~

S-200802.33

Change to Program Requirements — NCBNP Elective Requirements

Hutchings / Annis

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the NCBNP elective requirements (page 153 of the 2007-08 calendar) be revised as proposed.

Effective date: May 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

Elective Requirement

Eighteen credit hours chosen to fulfill the requirements below, and to ensure completion of a minimum of 134 credit hours. A course may not be used to satisfy the requirements in more than one category. Students are strongly advised to complete elective course work prior to 4th year.

- Three credit hours in First Nations Studies at any level, or HIST 110-3 Indigena, or equivalent
- Three credit hours in Humanities at any level, or ENGL 170-3, or equivalent
- Three additional credit hours in Nursing at the 200 level or above, or three credit hours at the 200 level or above in a subject related to Nursing (with permission of program)
- At least three credit hours at the 200 level or above in any subject
- At least three credit hours at the 300 level or above in any subject
- Three credit hours at any level in any subject

An Executive Summary of the proposed changes to the Mathematics Program was included for information.

It was proposed that motions S-200802.34 and S-200802.38 be moved as an omnibus motion, to which it was requested that motion S-200802.34 be dealt with separately.

S-200802.34

New Course Approval — MATH 240-3

Hyndman / McGill

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, a new course MATH 240-3 Basic Statistics be approved as proposed.

Proposed semester of first offering: September 2008

Senator Hyndman indicated that the Mathematics Program wished to remove ECON 205 and PSYC 315 from the list of equivalencies for this course, with which the Economics and Psychology Programs were in agreement. She added that the reason for this request was that, because several upcoming motions were dependent upon the approval of this course, she did not wish to risk the motion being defeated, but

that the Mathematics Program would likely seek to add these courses to the list of course equivalencies again in future.

Motion:

Hyndman / McGill

That ECON 205-3 and PSYC 315-3 be removed from the list of course equivalencies for MATH 240-3.
CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

This course is an introduction to the basic principles of statistics and procedures for data analysis. Topics include gathering data, displaying and summarizing data, examining relationships between variables, probability models, sampling distributions, estimation and significance tests, inference for means and proportions in one and two sample situations, contingency tables, and simple linear regression. Students register in a computer lab corresponding to their area of interest.

Preclusions: MATH 242-3, MATH 342-3, ECON 205-3, and PSYC 315-4. Students who have completed MATH 341-3 or MATH 371-3 may not take MATH 240-3 for credit.

Course Equivalencies: MATH 242-3, MATH 342-3, ECON 205-3, PSYC 315-4.

S-200802.35

New Course Approval — MATH 336-3

Hyndman / McGill

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, a new course MATH 336-3 Intermediate Differential Equations be approved as proposed.

Proposed semester of first offering: January 2009

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

This course is a continuation of MATH 230-3 and is designed to increase the depth and breadth of students' knowledge pertaining to differential equations. Topics include existence and uniqueness theory for ordinary differential equations, series solutions of differential equations, linear system theory, phase plane analysis and stability, boundary value problems and Green's Functions, general introduction to the theory of Fourier Series with an application to boundary value problems for the Heat Equation, Wave Equation and Laplace's Equation.

Prerequisites: MATH 230

Preclusions: MATH 334

S-200802.36

New Course Approval — MATH 371-3

Hyndman / McGill

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, a new course MATH 371-3 Probability and Statistics for Scientists and Engineers be approved as proposed.

Proposed semester of first offering: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~striketrough~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

This course is a calculus-based introduction to the theory and application of probability and statistics. The topics to be covered include concepts of probability, events, and populations, probability theorems, the concept of a random variable, continuous and discrete random variables, joint probability distributions, distributions of functions of a random variable, moments, Chebyshev's inequality, the de Moivre-Laplace theorem, the central limit theorem, sampling and statistical estimation theory, hypothesis testing, simple regression analysis, and an introduction to the design of experiments.

Prerequisites: MATH 101-3

Preclusions: MATH 340-3, MATH 341-3

S-200802.37

New Course Approval — MATH 372-3

Hyndman / McGill

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, a new course MATH 372-3 Mathematical Statistics be approved as proposed.

Proposed semester of first offering: January 2009

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~striketrough~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

Calendar Course Description: This course introduces the theory of statistical inference. The topics to be covered from likelihood theory are maximum likelihood estimation, sufficiency, and the likelihood ratio test. The topics to be covered from frequentist theory are point estimation, unbiasedness, consistency, efficiency, confidence intervals, small sample and large hypothesis tests. The topics to be covered from Bayesian theory are risk, point estimation and credible intervals.

Prerequisites: MATH 371-3

Preclusions: MATH 340-3, MATH 341-3

S-200802.38

New Course Approval — MATH 441-3

Hyndman / McGill

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, a new course MATH 441-3 Nonparametric Statistics be approved as proposed.

Proposed semester of first offering: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~striketrough~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

This course discusses the methodology and application of nonparametric statistics. The topics to be covered include goodness-of-fit tests, contingency tables, empirical distribution function tests,

the sign test, the Wilcoxon test, the Wilcoxon-Mann-Whitney test, the Kruskal-Wallis test, and rank correlation.

Prerequisites: One of the following: MATH 240-3, MATH 242, MATH 341, MATH 342, MATH 371-3, ECON 205-3, or PSYC 315-4

Course Equivalencies: Proposed MATH 641-3

S-200802.39

Deletion of Minor in Applied Mathematics

Hyndman / Annis

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the Minor in Applied Mathematics be deleted.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strikethrough~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

Minor in Applied Mathematics

~~The minor in Applied Mathematics serves to complement the studies of a student working in a major field where more sophisticated quantitative methods are required. Completion of such a minor should enhance a student's appreciation of the power of the interdisciplinary approach and of the importance of modern mathematical techniques in a great variety of disciplines.~~

-

~~The minor in Applied Mathematics requires students to complete a minimum of 24 credit hours, 12 of which must be upper division Mathematics.~~

-

~~There is no limit to the number of courses that may be used to fulfill program requirements for a major (or another minor) and also a minor in Applied Mathematics.~~

~~MATH 342-3 (Biostatistics) may not be used for credit towards the 12 credit hours of upper division Mathematics course requirements for the Applied Mathematics minor.~~

Requirements

- MATH 100-3 - Calculus I
- or MATH 105-3 - Enriched Calculus
- MATH 101-3 - Calculus II
- MATH 200-3 - Calculus III

~~At least five courses must be taken from the following list, four of which must be upper division:~~

CPSC 100-4	-	Computer Programming I
CPSC 141-3	-	Discrete Computational Mathematics
CPSC 142-3	-	Discrete Computational Mathematics II
MATH 201-3	-	Introduction to Complex Analysis
MATH 220-3	-	Linear Algebra
MATH 221-3	-	Operations Research
MATH 230-3	-	Linear Differential Equations and Boundary Value Problems
MATH 333-3	-	Partial Differential Equations
MATH 334-3	-	Ordinary Differential Equations
MATH 335-3	-	Numerical Analysis I
MATH 340-3	-	Introduction to Probability
MATH 341-3	-	Introduction to Statistics
MATH 433-3	-	Topics in Partial Differential Equations
MATH 434-3	-	Topics in Applied Mathematics
MATH 435-3	-	Numerical Analysis II
MATH 440-3	-	Advanced Probability and Statistics
MATH 455-3	-	Graphs and Algorithms

It was proposed that motions S-200802.40 to S-200802.47 be moved as an omnibus motion, to which there was unanimous consent.

S-200802.40

Course Deletion — MATH 221-3

Hyndman / Holler

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, MATH 221-3 Operations Research be deleted.

Effective date: September 2008

CARRIED.

S-200802.41

Course Deletion — MATH 333-3

Hyndman / Holler

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, MATH 333-3 Partial Differential Equations be deleted.

Effective date: September 2008

CARRIED.

S-200802.42

Course Deletion — MATH 334-3

Hyndman / Holler

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, MATH 334-3 Ordinary Differential Equations be deleted.

Effective date: September 2008

CARRIED.

S-200802.43

Course Deletion — MATH 370-3

Hyndman / Holler

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, MATH 370-3 Geometry I be deleted, and that all references to MATH 370-3 be deleted from the calendar.

Effective date: September 2008

CARRIED.

S-200802.44

Course Deletion — MATH 425-3

Hyndman / Holler

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, MATH 425-3 Mathematical Logic be deleted, and that all references to MATH 425-3 be deleted from the calendar.

Effective date: September 2008

CARRIED.

S-200802.45

Course Deletion — MATH 433-3

Hyndman / Holler

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, MATH 433-3 Topics in Partial Differential Equations be deleted, and that all references to MATH 433-3 be deleted from the calendar.

Effective date: September 2008

CARRIED.

S-200802.46

Course Deletion — MATH 434-3

Hyndman / Holler

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, MATH 434-3 Topics in Applied Mathematics be deleted, and that all reference to MATH 434-3 be deleted from the calendar.

Effective date: September 2008

CARRIED.

S-200802.47

Course Deletion — MATH 435-3

Hyndman / Holler

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, MATH 435-3 Numerical Analysis II be deleted.

Effective date: September 2008

CARRIED.

It was proposed that motions S-200802.48 to S-200802.50 be moved as an omnibus motion, to which there was unanimous consent.

S-200802.48

Change to Program Requirements — Joint Major in Chemistry / Mathematics

McGill / Rennebohm

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the Joint Major in Chemistry/Mathematics calendar entry be modified as proposed.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

Joint Major in Chemistry/Mathematics

The minimum requirement for completion of a Bachelor of Science with a Joint Major in Chemistry and Mathematics is 125 credit hours.

MATH 342-3 (Biostatistics) may not be used for credit towards any Mathematics major, minor, or joint major.

MATH 150-3 (Finite Mathematics for Business and Economics) may not be used for credit towards any Mathematics major or joint major.

Program Requirements

Lower Division Requirement

CHEM 100-3	General Chemistry I
CHEM 101-3	General Chemistry II
CHEM 120-1	General Chemistry Lab I
CHEM 121-1	General Chemistry Lab II
CHEM 200-3	Physical Chemistry I
CHEM 201-3	Organic Chemistry I
CHEM 202-3	Inorganic Chemistry I
CHEM 203-3	Organic Chemistry II
CHEM 210-3	Analytical Chemistry I
CPSC 100-4	Computer Programming I
MATH 100-3 or MATH 105-3	Calculus I Enriched Calculus
MATH 101-3	Calculus II
MATH 200-3	Calculus III
MATH 201-3	Introduction to Complex Analysis
MATH 220-3	Linear Algebra
MATH 221-3 or <u>MATH 226-3</u>	Operations Research <u>Advanced Linear Algebra</u>
MATH 230-3	Linear Differential Equations and Boundary Value Problems
PHYS 110-4	Introductory Physics I: Mechanics
PHYS 111-4	Introductory Physics II: Waves and Electricity

Upper Division Requirement

CHEM 300-3 Physical Chemistry II
or CHEM 305-3 Physical Chemistry III

CHEM 310-3 Analytical Chemistry II
or CHEM 311-3 Analytical Chemistry III

CHEM 320-3 Inorganic Chemistry II
or CHEM 321-3 Inorganic Chemistry III

*Nine credit hours of 300 or 400 level Chemistry
Six credit hours of 400 level Chemistry

MATH 320-3 Survey of Algebra
MATH 335-3 Numerical Analysis I
~~MATH 340-3 Introduction to Probability~~
MATH 371-3 Probability and Statistics for Scientists and
Engineers

*Nine credit hours of 300 or 400 level Mathematics
Six credit hours of 400 level Mathematics

*Three of these 18 credit hours must be at the 400 level so that a minimum of 15 credit hours of 400 level Chemistry and Mathematics are completed.

Elective Requirement

Elective credit hours as necessary to ensure completion of a minimum of 125 credit hours.

S-200802.49

Change to Program Requirements — Joint Major in Computer Science / Mathematics

McGill / Rennebohm

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the Joint Major in Computer Science/Mathematics calendar entry be modified as proposed.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strikethrough~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

Joint Major in Computer Science/Mathematics

The minimum requirement for completion of a Bachelor of Science with a Joint

Major in Computer Science and Mathematics is 124 credit hours.

MATH 342-3 (Biostatistics) may not be used for credit towards any Mathematics or Computer Science major, minor, or joint major.

MATH 150-3 (Finite Mathematics for Business and Economics) may not be used for credit towards any Mathematics or Computer Science major or joint major.

Program Requirements

Literacy Requirement

One of:

ENGL 170-3	Writing and Communication Skills
ENGL 270-3	Expository Writing

Lower Division Requirement

CPSC 100-4	Computer Programming I
CPSC 101-4	Computer Programming II
CPSC 141-3	Discrete Computational Mathematics
CPSC 142-3	Discrete Computational Mathematics II
CPSC 200-3	Algorithm Analysis and Development
CPSC 230-4	Introduction to Logic Design
CPSC 231-4	Computer Organization and Architecture
CPSC 281-3	Data Structures I
MATH 100-3	Calculus I
or MATH 105-3	Enriched Calculus
MATH 101-3	Calculus II
MATH 200-3	Calculus III
MATH 201-3	Introduction to Complex Analysis
MATH 220-3	Linear Algebra
MATH 221-3	Operations Research
or <u>MATH 226-3</u>	<u>Advanced Linear Algebra</u>
MATH 224-3	Foundations of Modern Mathematics
MATH 230-3	Linear Differential Equations and Boundary Value Problems

General Science Requirement

Two of:

BIOL 101-4 Introductory Biology I
BIOL 102-4 Introductory Biology II

CHEM 100-3 General Chemistry I
and CHEM 120-1 General Chemistry Lab I

CHEM 101-3 General Chemistry II
and CHEM 121-1 General Chemistry Lab II

PHYS 100-4 Introduction to Physics I
or PHYS 110-4* Introductory Physics I:

PHYS 111-4* Introductory Physics II: Waves and Electricity

***Note:** PHYS 110-4 (Introductory Physics I: Mechanics) and PHYS 111-4 (Introductory Physics II: Waves and Electricity) are strongly recommended for all majors.

Upper Division Requirement

CPSC 320-3 Programming Languages
CPSC 321-3 Operating Systems
CPSC 370-3 Functional and Logic Programming

*Six credit hours of 300 or 400 level Computer Science.
Six credit hours of 400 level Computer Science (excluding seminar, project, and special topics courses).

MATH 320-3 Survey of Algebra
MATH 335-3 Numerical Analysis I
~~MATH 340-3 - Introduction to Probability~~
MATH 371-3 Probability and Statistics for Scientists and Engineers

*Six credit hours of 300 or 400 level Mathematics.
Six credit hours of 400 level Mathematics.
*Three of these 12 credit hours must be at the 400 level so that the total number of Computer Science and Mathematics credit hours at the 400 level is at least 15.

Note: ~~MATH 435-3 (Numerical Analysis II) and CPSC 340-3 (Theory of Computation)~~ are is recommended.

Elective Requirement

Elective credit hours as necessary to ensure completion of a minimum of 124 credit hours.

S-200802.50

Change to Program Requirements — Joint Major in Mathematics / Physics

McGill / Rennebohm

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the Joint Major in Mathematics/Physics calendar entry be modified as proposed.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strikethrough~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

Joint Major in Mathematics/Physics

The minimum requirement for completion of a Bachelor of Science with a Joint Major in Mathematics and Physics is 125 credit hours.

[MATH 342-3](#) (Biostatistics) may not be used for credit towards any Mathematics major, minor, or joint major.

[MATH 150-3](#) (Finite Mathematics for Business and Economics) may not be used for credit towards any Mathematics major or joint major.

[PHYS 307-3](#) (Selected Topics in Environmental Physics) may not be used as Physics credit toward any Physics major, minor, or joint major.

Program Requirements

Lower Division Requirement

CPSC 100-4	Computer Programming I
MATH 100-3	Calculus I
or MATH 105-3	Enriched Calculus
MATH 101-3	Calculus II
MATH 200-3	Calculus III
MATH 201-3	Introduction to Complex Analysis
MATH 220-3	Linear Algebra

<u>MATH 221-3</u>	Operations Research
or <u>MATH 226-3</u>	<u>Advanced Linear Algebra</u>
<u>MATH 230-3</u>	Linear Differential Equations and Boundary Value Problems
<u>PHYS 110-4</u>	Introductory Physics I: Mechanics
<u>PHYS 111-4</u>	Introductory Physics II: Waves and Electricity
<u>PHYS 200-3</u>	Thermal Physics
<u>PHYS 202-4</u>	Electromagnetism and Optics
<u>PHYS 205-3</u>	Modern Physics I
<u>PHYS 206-4</u>	Modern Physics II

Upper Division Requirement

<u>MATH 320-3</u>	Survey of Algebra
<u>MATH 334-3</u>	Ordinary Differential Equations
<u>MATH 335-3</u>	Numerical Analysis I
<u>MATH 336-3</u>	<u>Intermediate Differential Equations</u>
<u>MATH 340-3</u>	Introduction to Probability
<u>MATH 371-3</u>	<u>Probability and Statistics for Scientists and Engineers</u>

*Six credit hours of 300 or 400 level Mathematics.

Six credit hours of 400 level Mathematics.

<u>PHYS 300-3</u>	Classical Mechanics
<u>PHYS 302-3</u>	Quantum Mechanics I
<u>PHYS 310-3</u>	Classical Electromagnetism I
<u>PHYS 400-3</u>	Quantum Mechanics II
<u>PHYS 407-3</u>	Statistical Mechanics

*Six credit hours of 300 or 400 level Physics.

Three of these 12 credit hours must be at the 400 level so that a minimum of 15 credit hours of 400 level Mathematics and Physics are completed.

Elective Requirement

Elective credit hours as necessary to ensure completion of a minimum of 125 credit hours.

S-200802.51

Change to Program Requirements — Major in Mathematics

Hyndman / Holler

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the calendar entry for the Mathematics Major be modified as proposed.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

Major in Mathematics

A major in Mathematics requires ~~19~~ 18 mathematics courses (~~57~~ 54 credit hours), at least 30 credit hours of which must be upper division courses and of those upper division credits, at least 12 must be taken at the 400 level.

MATH 342-3 (Biostatistics) may not be used for credit towards any Mathematics major, minor, or joint major.

MATH 150-3 (Finite Mathematics for Business and Economics) may not be used for credit towards any Mathematics major or joint major.

The minimum requirement for completion of a Bachelor of Science with a major in Mathematics is 120 credit hours.

Program Requirements

Note: Students enrolling in any Mathematics courses with prerequisites are required to have completed all prerequisite courses for that course with a "C-" or better, or have permission to enrol from the Program Chair.

Literacy Requirement

One of:

ENGL 170-3 Writing and Communication Skills

ENGL 270-3 Expository Writing

Lower Division Requirement

100 Level

CPSC 100-4 Computer Programming I

CPSC 141-3 Discrete Computational Mathematics

MATH 100-3 Calculus I

or MATH 105-3 Enriched Calculus

MATH 101-3 Calculus II

200 Level

MATH 200-3 Calculus III

MATH 201-3 Introduction to Complex Analysis

MATH 220-3 Linear Algebra

~~MATH 221-3 Operations Research~~

MATH 224-3 Foundations of Modern Mathematics

MATH 226-3 Advanced Linear Algebra

MATH 230-3 Linear Differential Equations and Boundary Value Problems

Recommended

CPSC 101-4 Computer Programming II

CPSC 142-3 Discrete Computational Mathematics II

General Science Requirement

Two of:

BIOL 101-4	Introductory Biology I
BIOL 102-4	Introductory Biology II
CHEM 100-3	General Chemistry I
and CHEM 120-1	General Chemistry Lab I
CHEM 101-3	General Chemistry II
and CHEM 121-1	General Chemistry Lab II
PHYS 100-4	Introduction to Physics I
or PHYS 110-4*	Introductory Physics I:
PHYS 111-4*	Introductory Physics II: Waves and Electricity

***Note:** PHYS 110-4 (Introductory Physics I: Mechanics) and PHYS 111-4 (Introductory Physics II: Waves and Electricity) are strongly recommended for all majors.

Upper Division Requirement

300 Level

MATH 302-3	Theory of Metric Spaces
MATH 320-3	Survey of Algebra
MATH 321-3	Topology
—or MATH 370-3	Geometry I
<u>MATH 336-3</u>	<u>Intermediate Differential Equations</u>
MATH 333-3	Partial Differential Equations
—or MATH 334-3	Ordinary Differential Equations

or MATH 335-3	Numerical Analysis I
MATH 340-3	Introduction to Probability
MATH 341-3	Introduction to Statistics
<u>MATH 371-3</u>	<u>Probability and Statistics for Scientists and Engineers</u>
<u>MATH 372-3</u>	<u>Mathematical Statistics</u>

400 Level

Twelve credit hours of 400 level Mathematics courses.

Elective Requirement

Elective credit hours as necessary to ensure completion of a minimum of 120 credit hours.

S-200802.52

Change to Program Requirements — Major in Computer Science

Casperson / Hutchings

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the Computer Science Major calendar entry be modified as proposed.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

Major in Mathematics

Major in Computer Science

A major in Computer Science requires at least 21 Computer Science courses and at least 67 credit hours in Computer Science, at least 27 hours of which must be upper division courses, and of those upper division credits, at least 12 must be taken at the 400 level.

The following courses may not be used for credit towards a Computer Science major or joint major:

MATH 150-3	Finite Mathematics for Business and Economics
MATH 342-3	Biostatistics

The minimum requirement for completion of a Bachelor of Science with a major in Computer Science is 120 credit hours.

Program Requirements

***Note:** Students enrolling in any Computer Science or Mathematics course with prerequisites are required to have completed all prerequisite courses for that course with a "C-" or better, or have permission to enrol from the Program Chair.

Lower Division Requirement

100 Level

CPSC 100-4	Computer Programming I
CPSC 101-4	Computer Programming II
CPSC 126-3	Introduction to Computer Systems
CPSC 141-3	Discrete Computational Mathematics
CPSC 142-3	Discrete Computational Mathematics II
MATH 100-3	Calculus I
or MATH 105-3	Enriched Calculus
MATH 101-3	Calculus II

200 Level

CPSC 200-3	Algorithm Analysis and Development
CPSC 230-4	Introduction to Logic Design
CPSC 231-4	Computer Organization and Architecture
CPSC 281-3	Data Structures I
CPSC 290-3	Systems Analysis and Design
MATH 220-3	Linear Algebra

General Science Requirement

PHYS 110-4	Introductory Physics I: Mechanics
PHYS 111-4	Introductory Physics II: Waves and Electricity

***Note:** In some special cases other science courses approved by the Chair of Computer Science may be used to satisfy this requirement.

Upper Division Requirement

300 Level

CPSC 320-3	Programming Languages
CPSC 321-3	Operating Systems
CPSC 325-3	Introduction to Compiler Design

CPSC 340-3	Theory of Computation
CPSC 370-3	Functional and Logic Programming
MATH 340-3	Introduction to Probability
<u>MATH 371-3</u>	<u>Probability and Statistics for Scientists and Engineers</u>

*While not required for the major, students are urged to include CPSC 300-3 (Software Engineering I) and CPSC 301-3 (Software Engineering II) in their program.

400 Level

At least 12 credit hours of Computer Science courses must be taken at the 400 level, and at least nine of these credit hours must be outside the seminar, project course, research course, or special topics course category.

Alternate courses may be substituted for the above with the written permission of the Program Chair and Dean of the College.

Subject Requirement

Six additional credit hours of computer science at any level. MATH 335-3 (Numerical Analysis I) may be counted as a computer science course by computer science majors.

Elective Requirement

Elective credit hours as necessary to ensure completion of a minimum of 120 credit hours.

MATH 342-3 (Biostatistics) may not be used for credit towards any Mathematics major, minor, or joint major.

MATH 150-3 (Finite Mathematics for Business and Economics) may not be used for credit towards any Mathematics major or joint major.

The minimum requirement for completion of a Bachelor of Science with a major in Mathematics is 120 credit hours.

S-200802.53

Change to Calendar Description (Faculty Listing) – Environmental Planning

Rapaport / Annis

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the School of Environmental Planning faculty listing be changed as proposed.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

School of Environmental Planning (BPI)

~~Chris Hawkins, Associate Professor, and Acting Program Chair~~

John Curry, Associate Professor

David Connell, Assistant Professor

Eric Rapaport, Assistant Professor

Orland Wilkerson, Assistant Professor

Raymond Chipeniuk, Adjunct Professor

Theresa Healy, Adjunct Professor

Richard Krehbiel, Adjunct Professor

James Randall, Adjunct Professor

Finlay Sinclair, Adjunct Professor

S-200802.54

Change to Calendar Description — Major in Natural Resource Planning

Reid / Dery

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the calendar description for the Major in Natural Resource Planning be changed as proposed.

Effective date: February 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

Major in Natural Resources Planning

The major in Natural Resources Planning is designed to provide students with an understanding of the complexities of including the natural and cultural environment in planning decision-making. The major is intended to address both project level and large-scale environmental planning issues that occur in developments that impact the natural environment.

The objective of this major is to familiarize students with planning and decision-making in a variety of sectors that include provincial land use planning, environmental assessment, watershed planning and integrated resource and environmental management. These areas of planning are characterized by complex and intricate problems that revolve around how to use our natural resources and who should decide. The multidimensional aspects of environmental management include natural and cultural complexity, different desired futures, value differences, assessment and monitoring tools, and integration methods. This major emphasizes understanding planning in both the substantive realm (natural and social sciences), and the procedural realm (the process of including people in the decision-making process).

Students enrolled in the Natural Resources Planning Major must successfully complete 121 credit hours, including a minimum of 46 credit hours of upper division

courses. Major and elective course requirements must also be met. Students must ensure that they complete course prerequisites before registering in any course.

General requirement: 66 credit hours Major requirement: 40 credit hours Elective requirement: 15 credit hours

The minimum requirement for a Bachelor of Planning with a Major in Natural Resource Planning is 121 credit hours.

Lower Division

BIOL 101-4 Introductory Biology I
BIOL 102-4 Introductory Biology II
BIOL 201-3 Ecology
GEOG 210-3 Geomorphology
NREM 210-4 Integrated Resource Management

Upper Division

ECON 305-3 Environmental Economics
or ECON 331-3 Forest Economics
or ENPL 313-3 Rural Community Economic Development
ENV5 306-3 Human Ecology
or ORTM 300-3 Recreation and Tourism Impacts*
ENPL 402-3 Terrain Assessment
NREM 400-4 Natural Resources Planning

Choice of three of the following:

BIOL 302-3 Limnology
ENSC 201-3 Introduction to Atmospheric Science
ENSC 202-3 Introduction to Aquatic Systems*
ENSC 308-3 Northern Contaminated Environments
ENSC 404-3 Waste Management
GEOG 401-3 Resource Geography*
NREM 204-3 Introduction to Wildlife and Fisheries
NREM 410-3 Watershed Management
ORTM 200-3 Sustainable Outdoor Recreation and Tourism
ORTM 204-3 Visitor Behaviour
ORTM 305-3 Protected Area Planning and Management*
ORTM 400-3 Recreation and Tourism Ecology, Management and Design
or ORTM 407-3 Recreation, Tourism and Communities*

*indicates course has pre-requisite

S-200802.55

Change to Program Requirements — School of Environmental Planning

Tasa / McGill

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the School of Environmental Planning Program Requirements listing be changed as proposed.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

Program Requirements

Lower Division General Environmental Planning Requirement

100 Level

ECON 100-3 Microeconomics

ENPL 104-3 Introduction to Planning

POLS 100-3 Contemporary Political Issues

200 Level

ECON 205-3 Statistics for the Social and Management Sciences

or MATH 242-3 Statistics for Social and Health Sciences

ENPL 204-3 Principles and Practices of Planning

ENPL 205-3 Environment and Society

ENPL 206-3 Planning Analysis and Techniques

ENPL 207-3 Introduction to Computer Aided Design for Planners

ENPL 208-3 First Nations Community and Environmental Planning

GEOG 204-3 Introductory Geographical Information Systems for the Social Sciences

POLS 200-3 Canadian Government and Politics

Upper Division General Environmental Planning Requirement

300 Level

ENPL 301-3 Sustainable Communities: Structure and Sociology

ENPL 303-3 Spatial Planning with Geographical Information Systems

ENPL 304-3 Mediation, Negotiation and Public Participation

ENPL 305-3 Environmental Impact Assessment

ENPL 318-3 Professional Planning Practice

ENPL 319-3 Social Research Methods

400 Level

ENPL 401-3 Environmental Law

ENPL 410-3 Land Use Planning

ENPL 411-3 Planning Theory, Process and Implementation

ENPL 415-3 Ecological Design

~~ENPL 419-3 Social Research Methods~~

ENVS 414-3 Environmental and Professional Ethics

In addition, students may undertake ENPL 420-1 Research Methodology, ENPL 430-3 Undergraduate Thesis, ENPL 431-3 Professional Report, ENPL 440 (2-6) Internship as part of their electives.

It was proposed that motions S-200802.56 and S-200802.57 be moved as an omnibus motion, to which there was unanimous consent.

S-200802.56

New Course Approval — ENVS 101-3

Domshy / Dery

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the new course ENVS 101-3 Introduction to Environmental Citizenship be approved as proposed.

Proposed semester of first offering: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~striketrough~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

ENVS 101-3 Introduction to Environmental Citizenship This course provides an introduction to the concept of “environmental citizen,” and to the foundational elements of environmental studies, including social, ecological, humanistic and indigenous approaches to understanding human interactions with the natural environment. Development of skills in written communication is emphasized.

S-200802.57

New Course Approval — ENVS 326-3

Domshy / Dery

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the new course ENVS 326-3 Natural Resources, Environmental Issues and Public Engagement be approved as proposed.

Proposed semester of first offering: January 2009

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~striketrough~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

ENVS 326-3 Natural Resources, Environmental Issues and Public Engagement This course examines public engagement mechanisms and the attributes of successful engagement with respect to environmental and resource management issues. It also addresses the socio-political and legal requirements for engagement with the public, including Aboriginal peoples. Exercises and critiques are used to provide students with practical experience in public engagement around environmental issues.

S-200802.58

Course Deletion — COMM 401-3

Ellis / McGill

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the course COMM 401-3 Business Policy II be deleted from the calendar.

Effective date: May 2008

CARRIED.

An Executive Summary for a Proposal of a Minor in General Business (Bachelor of Commerce) from the School of Business was included for information.

S-200802.59

Approval of New Minor in General Business

Ellis / Rapaport

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the new Minor in General Business be approved as proposed.

Proposed start date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

B. Program Description

1. General Calendar Description:

The Minor in General Business is designed for students from outside the School of Business who are interested in obtaining skills and knowledge of business management. It will appeal to students who anticipate becoming involved in the supervision or management of work units or organizations in their careers. Students can obtain a minor in General Business within their degree program by completing 24 credit hours.

The minor consists of 12 credits at the lower division level (4 courses) and 12 credits (4 courses) at the upper division level.

2. Curriculum:

Required

COMM 100-3 Introduction in Canadian Business

Three of:

COMM 210-3 Financial Accounting

COMM 211-3 Managerial Accounting

COMM 220-3 Financial Management I

COMM 230-3 Organizational Behaviour

COMM 240-3 Introduction to Marketing

COMM 251-3 Introduction to Management Science

Four of:

COMM 300-3 Introduction to Business Law

COMM 302-3 Entrepreneurship

COMM 303-3 Introduction to International Business

COMM 320-3 Financial Management II

COMM 330-3 Human Resource Management

COMM 332-3 Business and Professional Ethics

COMM 343-3 Behavioural Marketing

COMM 350-3 Production and Operations Management
COMM 351-3 Management Information Systems
COMM 431-3 Industrial Relations
COMM 432-3 Cross-cultural Workplace Practices

A maximum of 4 courses (12 credit hours) used to fulfill program requirements for a major or another minor may also be used to fulfill requirements for a minor in General Business.

It was proposed that motions S-200802.60 to S-200802.66 be moved as an omnibus motion, to which there was unanimous consent.

S-200802.60

Change to Degree Requirements — General Business

McGill / Ellis

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the calendar description for the degree requirements for General Business be changed as proposed.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~striketrough~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

Major in General Business

The General Business major allows students to obtain a reasonable depth of knowledge in all the functional areas of business while maintaining a broad-based education in business management. This combination provides the integrative management skills to operate both within and across functional responsibility areas, an ability valued highly by employers. Therefore, General Business majors are in demand by many firms and government organizations. Students intending to start their own business endeavours would also be well-served by the General Business major.

The minimum requirement for a Bachelor of Commerce with a major in General Business is 120 credit hours.

Program Requirements

Note: Students enrolling in any course required for a major in the Bachelor of Commerce degree must have completed all prerequisite courses with a minimum of "C-" or better. In exceptional circumstances the Program Chair may waive this requirement on a case by case basis.

Lower Division Requirement

100 Level

[COMM 100-3*](#)

Introduction to Canadian Business

[ECON 100-3](#)

Microeconomics

ECON 101-3	Macroeconomics
MATH 150-3**	Finite Mathematics for Business and Economics
or MATH 220-3	Linear Algebra
MATH 152-3**	Calculus for Non-majors
or MATH 100-3	Calculus I

*Students transferring with 30 or more credit hours of courses required for the Commerce degree are exempt from this requirement.

**Students wishing to pursue additional Math courses as electives are advised to choose MATH 100-3 (Calculus I) and MATH 220-3 (Linear Algebra).

Students not having the appropriate prerequisites for any courses must consult with the Business Advisor.

200 Level

COMM 210-3	Financial Accounting
COMM 211-3	Managerial Accounting
COMM 220-3	Financial Management I
COMM 230-3	Organizational Behaviour
COMM 240-3	Introduction to Marketing
COMM 251-3	Introduction to Management Science
CPSC 250-3	Applied Business Computing
ECON 205-3	Statistics for the Social and Management Sciences
— or MATH 242-3 -	Statistics for Social and Health Sciences
<u>or MATH 240-3</u>	<u>Basic Statistics</u>

3

Upper Division Requirement

300 and 400 Level

COMM 300-3	Introduction to Business Law
COMM 302-3	Entrepreneurship
COMM 320-3	Financial Management II
COMM 330-3	Human Resource Management
COMM 350-3	Production and Operations Management
COMM 351-3	Management Information Systems

COMM 400-3	Business Policy I <u>Strategic Management</u>
ECON 310-3	Intermediate Microeconomic Theory
ECON 311-3	Intermediate Macroeconomic Theory

Twelve credit hours selected from any of the other four majors or from the following (with no more than six credit hours in any one major area):

COMM 331-3	Organizational Theory
COMM 332-3	Business and Professional Ethics
COMM 333-3	Women in Organizations
COMM 401-3	Business Policy II
COMM 430-3	Organization Studies: Selected Topics
COMM 431-3	Industrial Relations
COMM 432-3	Cross-cultural Workplace Practices
COMM 439-3	HRM: Selected Topics
COMM 450-3	Total Quality Management
COMM 498-(3-6)	Special Topics in Business Administration

Elective Requirement

Elective credit hours as necessary to ensure completion of a minimum of 120 credit hours.

S-200802.61

Change to Common Requirements for Business Students

McGill / Ellis

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the Common Requirements for all Business Students be revised as proposed.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strikethrough~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

Common Requirements for all Business Students:

Note: Students enrolling in any course required for a major in the Bachelor of Commerce degree must have completed all prerequisite courses with a minimum of "C-" or better. In exceptional circumstances the Program Chair may waive this requirement on a case by case basis.

Lower Division Requirement

100 Level

COMM 100-3*	Introduction to Canadian Business
ECON 100-3	Microeconomics
ECON 101-3	Macroeconomics
MATH 150-3**	Finite Mathematics for Business and Economics
or MATH 220-3	Linear Algebra
MATH 152-3**	Calculus for Non-majors
or MATH 100-3	Calculus I

*Students transferring with 30 or more credit hours of courses required for the Commerce degree are exempt from this requirement.

**Students wishing to pursue additional Math courses as electives are advised to choose MATH 100-3 (Calculus I) and MATH 220-3 (Linear Algebra).

200 Level

COMM 210-3	Financial Accounting
COMM 211-3	Managerial Accounting
COMM 220-3	Financial Management I
COMM 230-3	Organizational Behaviour
COMM 240-3	Introduction to Marketing
COMM 251-3	Introduction to Management Science
CPSC 250-3	Applied Business Computing
ECON 205-3	Statistics for the Social and Management Sciences
— or MATH 242-3	- Statistics for Social and Health Sciences
or MATH 240-3	<u>Basic Statistics</u>

Upper Division Requirement

300 and 400 Level

COMM 300-3	Introduction to Business Law
COMM 320-3	Financial Management II
COMM 330-3	Human Resource Management
COMM 350-3	Production and Operations Management
COMM 351-3	Management Information Systems
COMM 400-3	Business Policy I <u>Strategic Management</u>
ECON 310-3	Intermediate Microeconomic Theory
ECON 311-3	Intermediate Macroeconomic Theory

S-200802.62

Change to Program Requirements — Major in Accounting

McGill / Ellis

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the Major in Accounting be revised as proposed.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

Major in Accounting

Every organization needs to keep track of its financial operations and financial position. Accounting is concerned with the measurement, provision, interpretation and application of financial and economic information for the efficiency and evaluation of an organization's operations. The information provided by the accounting function is employed for effective planning, control and decision making by management, and to report on the organization's financial operations to shareholders, debtholders, government and other stakeholders of the firm. Graduates with an Accounting major are in demand by all sectors of the economy, including government, business, and public accounting firms. An Accounting major is recommended for students who wish to become Chartered Accountants (CAs), Certified General Accountants (CGAs), or Certified Management Accountants (CMAs).

The minimum requirement for a Bachelor of Commerce with a major in Accounting is 120 credit hours.

Program Requirements

Note: Students enrolling in any course required for a major in the Bachelor of Commerce degree must have completed all prerequisite courses with a minimum of "C-" or better. In exceptional circumstances the Program Chair may waive this requirement on a case by case basis.

Lower Division Requirement

100 Level

COMM 100-3*	Introduction to Canadian Business
ECON 100-3	Microeconomics
ECON 101-3	Macroeconomics
MATH 150-3**	Finite Mathematics for Business and Economics
or MATH 220-3	Linear Algebra
MATH 152-3**	Calculus for Non-majors
or MATH 100-3	Calculus I

*Students transferring with 30 or more credit hours of courses required for the Commerce degree are exempt from this requirement.

**Students wishing to pursue additional Math courses as electives are advised to choose MATH 100-3 (Calculus I) and MATH 220-3 (Linear Algebra).

Students not having the appropriate prerequisites for any courses must consult with the Business Advisor.

200 Level

COMM 210-3	Financial Accounting
COMM 211-3	Managerial Accounting
COMM 220-3	Financial Management I
COMM 230-3	Organizational Behaviour
COMM 240-3	Introduction to Marketing
COMM 251-3	Introduction to Management Science
CPSC 250-3	Applied Business Computing
ECON 205-3	Statistics for the Social and Management Sciences
— or MATH 242-3	Statistics for Social and Health Sciences
— or MATH 240-3	<u>Basic Statistics</u>

Upper Division Requirement

300 and 400 Level

COMM 300-3	Introduction to Business Law
COMM 310-3	Intermediate Financial Accounting I
COMM 311-3	Intermediate Financial Accounting II
COMM 312-3	Intermediate Managerial Accounting
COMM 320-3	Financial Management II
COMM 330-3	Human Resource Management
COMM 350-3	Production and Operations Management
COMM 351-3	Management Information Systems
COMM 400-3	Business Policy I <u>Strategic Management</u>
COMM 411-3	Advanced Management Accounting
ECON 310-3	Intermediate Microeconomic Theory
ECON 311-3	Intermediate Macroeconomic Theory

One of:

COMM 410-3	Accounting Theory
COMM 414-3	Advanced Financial Accounting

Two of:

COMM 313-3	Personal Taxation
COMM 314-3	Corporate Taxation
COMM 315-3	International Accounting
COMM 412-3	Auditing
COMM 413-3	Accounting: Advanced Topics

Elective Requirement

Elective credit hours as necessary to ensure completion of a minimum of 120 credit hours.

S-200802.63

Change to Program Requirements — Major in Finance

McGill / Ellis

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the Major in Finance be revised as proposed.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~striketrough~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

Major in Finance

Finance involves evaluating profitability and valuing real investments such as capital projects, as well as financial securities such as stocks, bonds, options and futures. In addition to the study of sources of capital and financing decisions of the firm and individual investors, the Finance major also studies the management of financial institutions such as banks and trust companies. The tools of Finance are used by small and large firms, government and individual investors. Instruction in Finance provides valuable information regarding financing and evaluating investment opportunities to students planning to enter into business for themselves. Government and firms employ Finance majors as financial analysts as well as in general management positions. In addition, the financial services industry is one of the fastest growing industries in Canada. Individuals interested in positions in the financial sector, or pursuing either the Chartered Financial Planner (CFP) or Chartered Financial Analyst (CFA) designations, or completing the Canadian Securities Course (CSC), should consider majoring in Finance.

The minimum requirement for a Bachelor of Commerce with a major in Finance is 120 credit hours.

Program Requirements

Note: Students enrolling in any course required for a major in the Bachelor of Commerce degree must have completed all prerequisite courses with a minimum of "C-" or better. In exceptional circumstances the Program Chair may waive this requirement on a case by case basis.

Lower Division Requirement

100 Level

COMM 100-3*	Introduction to Canadian Business
MATH 150-3**	Finite Mathematics for Business and Economics
or MATH 220-3	Linear Algebra
MATH 152-3**	Calculus for Non-majors
or MATH 100-3	Calculus I
ECON 100-3	Microeconomics
ECON 101-3	Macroeconomics

*Students transferring with 30 or more credit hours of courses required for the Commerce degree are exempt from this requirement.

**Students wishing to pursue additional Math courses as electives are advised to choose MATH 100-3 (Calculus I) and MATH 220-3 (Linear Algebra).

Students not having the appropriate prerequisites for any courses must consult with the Business Advisor.

200 Level

COMM 210-3	Financial Accounting
COMM 211-3	Managerial Accounting
COMM 220-3	Financial Management I
COMM 230-3	Organizational Behaviour
COMM 240-3	Introduction to Marketing
COMM 251-3	Introduction to Management Science
CPSC 250-3	Applied Business Computing
ECON 205-3	Statistics for the Social and Management Sciences
— or MATH 242-3	- Statistics for Social and Health Sciences
or MATH 240-3	<u>Basic Statistics</u>

Upper Division Requirement

300 and 400 Level

COMM 300-3	Introduction to Business Law
COMM 320-3	Financial Management II
COMM 321-3	Investments and Security Analysis
COMM 330-3	Human Resource Management
COMM 350-3	Production and Operations Management
COMM 351-3	Management Information Systems
COMM 400-3	Business Policy I <u>Strategic Management</u>
COMM 420-3	Advanced Financial Management
COMM 422-3	Management of Financial Institutions
ECON 310-3	Intermediate Microeconomic Theory
ECON 311-3	Intermediate Macroeconomic Theory

Two of:

COMM 322-3	International Financial Management
COMM 323-3	Risk, Insurance, and Financial Planning
COMM 421-3	Portfolio Theory and Management
COMM 423-3	Financial Engineering
COMM 429-3	Finance: Advanced Topics

Elective Requirement

Elective credit hours as necessary to ensure completion of a minimum of 120 credit hours.

S-200802.64

Change to Program Requirements — Major in General Business

McGill / Ellis

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the Major in General Business be revised as proposed.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strikethrough~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

Major in General Business

The General Business major allows students to obtain a reasonable depth of knowledge in all the functional areas of business while maintaining a broad-based education in business management. This combination provides the integrative management skills to operate both within and across functional responsibility areas, an ability valued highly by employers. Therefore, General Business majors are in demand by many firms and government organizations. Students intending to start

their own business endeavours would also be well-served by the General Business major.

The minimum requirement for a Bachelor of Commerce with a major in General Business is 120 credit hours.

Program Requirements

Note: Students enrolling in any course required for a major in the Bachelor of Commerce degree must have completed all prerequisite courses with a minimum of "C-" or better. In exceptional circumstances the Program Chair may waive this requirement on a case by case basis.

Lower Division Requirement

100 Level

COMM 100-3*	Introduction to Canadian Business
ECON 100-3	Microeconomics
ECON 101-3	Macroeconomics
MATH 150-3**	Finite Mathematics for Business and Economics
or MATH 220-3	Linear Algebra
MATH 152-3**	Calculus for Non-majors
or MATH 100-3	Calculus I

*Students transferring with 30 or more credit hours of courses required for the Commerce degree are exempt from this requirement.

**Students wishing to pursue additional Math courses as electives are advised to choose MATH 100-3 (Calculus I) and MATH 220-3 (Linear Algebra).

Students not having the appropriate prerequisites for any courses must consult with the Business Advisor.

200 Level

COMM 210-3	Financial Accounting
COMM 211-3	Managerial Accounting
COMM 220-3	Financial Management I
COMM 230-3	Organizational Behaviour
COMM 240-3	Introduction to Marketing
COMM 251-3	Introduction to Management Science
CPSC 250-3	Applied Business Computing
ECON 205-3	Statistics for the Social and Management Sciences

— or MATH 242-3 - ~~Statistics for Social and Health Sciences~~
or MATH 240-3 Basic Statistics

Upper Division Requirement

300 and 400 Level

COMM 300-3	Introduction to Business Law
COMM 302-3	Entrepreneurship
COMM 320-3	Financial Management II
COMM 330-3	Human Resource Management
COMM 350-3	Production and Operations Management
COMM 351-3	Management Information Systems
COMM 400-3	Business Policy I <u>Strategic Management</u>
ECON 310-3	Intermediate Microeconomic Theory
ECON 311-3	Intermediate Macroeconomic Theory

Twelve credit hours selected from any of the other four majors or from the following (with no more than six credit hours in any one major area):

COMM 331-3	Organizational Theory
COMM 332-3	Business and Professional Ethics
COMM 333-3	Women in Organizations
COMM 401-3	- Business Policy II
COMM 430-3	Organization Studies: Selected Topics
COMM 431-3	Industrial Relations
COMM 432-3	Cross-cultural Workplace Practices
COMM 439-3	HRM: Selected Topics
COMM 450-3	Total Quality Management
COMM 498-(3-6)	Special Topics in Business Administration

Elective Requirement

Elective credit hours as necessary to ensure completion of a minimum of 120 credit hours.

S-200802.65

Change to Program Requirements — Major in International Business

McGill / Ellis

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the Major in International Business be revised as proposed.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

Major in International Business

In recent years the importance of an international perspective for students of business has increased as a result of the increasing globalization of the economy. The International Business major exposes students to the impact of the international environment on the functional areas of business management. In conjunction with courses in the International Studies program, the major in International Business allows students to focus on a country or region of the world, providing education in language, culture and business practice. Graduates are suited to work in firms or government agencies involved in international operations.

The minimum requirement for a Bachelor of Commerce with a major in International Business is 120 credit hours.

Program Requirements

Note: Students enrolling in any course required for a major in the Bachelor of Commerce degree must have completed all prerequisite courses with a minimum of "C-" or better. In exceptional circumstances the Program Chair may waive this requirement on a case by case basis.

Lower Division Requirement

100 Level

COMM 100-3*	Introduction to Canadian Business
ECON 100-3	Microeconomics
ECON 101-3	Macroeconomics
INTS 101-3	Canada and the World
or INTS 205-3	Introduction to International Studies
MATH 150-3**	Finite Mathematics for Business and Economics
or MATH 220-3	Linear Algebra
MATH 152-3**	Calculus for Non-majors
or MATH 100-3	Calculus I

*Students transferring with 30 or more credit hours of courses required for the Commerce degree are exempt from this requirement.

**Students wishing to pursue additional Math courses as electives are advised to choose MATH 100-3 (Calculus I) and MATH 220-3 (Linear Algebra).

Students not having the appropriate prerequisites for any courses must consult with the Business Advisor.

200 Level

COMM 210-3	Financial Accounting
COMM 211-3	Managerial Accounting
COMM 220-3	Financial Management I
COMM 230-3	Organizational Behaviour
COMM 240-3	Introduction to Marketing
COMM 251-3	Introduction to Management Science
CPSC 250-3	Applied Business Computing
ECON 205-3	Statistics for the Social and Management Sciences
— or MATH 242-3	Statistics for Social and Health Sciences
<u>or MATH 240-3</u>	<u>Basic Statistics</u>

Upper Division Requirement

300 and 400 Level

COMM 300-3	Introduction to Business Law
COMM 303-3	Introduction to International Business
COMM 320-3	Financial Management II
COMM 330-3	Human Resource Management
COMM 350-3	Production and Operations Management
COMM 351-3	Management Information Systems
COMM 400-3	Business Policy I <u>Strategic Management</u>
ECON 310-3	Intermediate Microeconomic Theory
ECON 311-3	Intermediate Macroeconomic Theory

Three of:

COMM 315-3	International Accounting
COMM 322-3	International Financial Management
COMM 432-3	Cross-cultural Workplace Practices
COMM 441-3	International Marketing

International Studies Requirement

Six credit hours of International Studies courses at any level.

Elective Requirement

Elective credit hours as necessary to ensure completion of a minimum of 120 credit hours.

S-200802.66

Change to Program Requirements — Major in Marketing

McGill / Ellis

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the Major in Marketing be revised as proposed.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

Major in Marketing

Marketing refers to the set of activities needed to find, build, and serve markets for products and services. Students of marketing will acquire analytical tools from economics, mathematics, statistics and the social and behavioural sciences. A major in Marketing is useful for such positions as account representatives, brand managers, advertising executives and market researchers. Marketing majors may find employment in the private sector, in non-profit organizations, and in government. Marketing concepts and principles are of particular importance to small businesses and new business ventures.

The minimum requirement for a Bachelor of Commerce with a major in Marketing is 120 credit hours.

Program Requirements

Note: Students enrolling in any course required for a major in the Bachelor of Commerce degree must have completed all prerequisite courses with a minimum of "C-" or better. In exceptional circumstances the Program Chair may waive this requirement on a case by case basis.

Lower Division Requirement

100 Level

COMM 100-3*	Introduction to Canadian Business
ECON 100-3	Microeconomics
ECON 101-3	Macroeconomics
MATH 150-3**	Finite Mathematics for Business and Economics
or MATH 220-3	Linear Algebra
MATH 152-3**	Calculus for Non-majors

or [MATH 100-3](#) Calculus I

*Students transferring with 30 or more credit hours of courses required for the Commerce degree are exempt from this requirement.

**Students wishing to pursue additional Math courses as electives are advised to choose MATH 100-3 (Calculus I) and MATH 220-3 (Linear Algebra).

Students not having the appropriate prerequisites for any courses must consult with the Business Advisor.

200 Level

COMM 210-3	Financial Accounting
COMM 211-3	Managerial Accounting
COMM 220-3	Financial Management I
COMM 230-3	Organizational Behaviour
COMM 240-3	Introduction to Marketing
COMM 251-3	Introduction to Management Science
CPSC 250-3	Applied Business Computing
ECON 205-3	Statistics for the Social and Management Sciences
— or MATH 242-3	Statistics for Social and Health Sciences
<u>or MATH 240-3</u>	<u>Basic Statistics</u>

Upper Division Requirement

300 and 400 Level

COMM 300-3	Introduction to Business Law
COMM 320-3	Financial Management II
COMM 330-3	Human Resource Management
COMM 343-3	Consumer Behaviour <u>Behavioural Marketing</u>
COMM 350-3	Production and Operations Management
COMM 351-3	Management Information Systems
COMM 400-3	Business Policy I <u>Strategic Management</u>
COMM 442-3	Marketing Strategy
COMM 443-3	Marketing Research
ECON 310-3	Intermediate Microeconomic Theory
ECON 311-3	Intermediate Macroeconomic Theory

Two of:

<u>COMM 340-3</u>	Marketing Communications
<u>COMM 341-3</u>	Sales Management
<u>COMM 342-3</u>	Services Marketing
<u>COMM 344-3</u>	Marketing Channels
<u>COMM 345-3</u>	Retail Management
<u>COMM 441-3</u>	International Marketing
<u>COMM 449-3</u>	Advanced Topics in Marketing

Elective Requirement

Elective credit hours as necessary to ensure completion of a minimum of 120 credit hours.

An Executive Summary of the proposed Bachelor of Commerce, Major in Human Resources Management was included for information.

Appendix I, Projected Revenues and Costs, Bachelor of Commerce, Major in Human Resources Management was included for information.

It was proposed that motions S-200802.67 to S-200802.73 be moved as an omnibus motion, to which there was unanimous consent.

Senator Annis questioned the fact that the Library had indicated that there was a shortfall of resources to mount these courses and the major, but that this wasn't included in the budget.

The Provost responded that there had yet been no agreement on additional funding to support these new courses and the new major in Human Resource Management, and that he would not take this to the Board of Governors without that agreement in place. It was questioned whether Senate's role was not simply to look at the academic rigour of the Program, to which it was agreed that was Senate's role, but it was further suggested that without funding in place, there is no academic merit to the major.

Motion:

Rapaport / Rennebohm

That motions S-200802.67 to S-200802.73 be approved subject to funding.

DEFEATED.

It was suggested that the motion to approve subject to funding was unnecessary, as the funding for any new initiatives had to be approved by the Board of Governors regardless. In response, the point was made that the motion, had it been approved, would have ensured that the major and associated courses would not be moved forward to the Board of Governors unless and until funding was in place.

The normal approval process for new initiatives was questioned, and Dr. Cozzetto indicated that normally, funding is in place before a new degree or major is brought to Senate. It was added that, with regard to the *University Act*, Senate's role is to approve the academic components of new initiatives, while the Board's role is to approve anything requiring funding, but in this case, he understood there had been a disagreement between the Provost and the Program with regard to funding.

The Provost responded that he was not made aware of the proposed major until it had passed through College Council, and attempts to negotiate the funding had not yet been successful.

Motion to table:

Tasa / McGill

That the omnibus motion regarding motions S-200802.67 to S-200802.73 be tabled.
DEFEATED.

Senator Ellis indicated that the Program had met with many groups and feel that they have a great program that will help with the mandate of recruitment and retention.

The Provost agreed with Senator Ellis on this point, but reiterated that concerns regarding funding have not yet been addressed, and added that he could not, for this reason, take this to the Board of Governors. It was again questioned whether Senate's role was not limited to determining the academic merits of these courses and proposed major, and the Provost responded that that was correct, but that he would not feel comfortable taking this to the Board of Governors without resolution on the funding aspect.

It was suggested that, since there was no appetite for tabling the motion, the motion go forward and negotiation be undertaken.

The question was called, a vote was held, and the original motion was CARRIED.

S-200802.67

New Course Approval — COMM 304-3

McGill / Rapaport

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, a new course COMM 304-3 Employment Law in Canada be approved as proposed.

Proposed semester of first offering: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~striketrough~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

The purpose of this course is to foster an understanding of the legal context of the relationship between employer and employee, and of the duties and responsibilities in that relationship. The laws surrounding human rights, employment standards, health and safety, grievance and arbitration, and dismissal are examined.

Prerequisites: COMM 300-3 or POLS 255-3

S-200802.68

New Course Approval — COMM 334-3

McGill / Rapaport

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, a new course COMM 334-3 Strategic Human Resource Planning be approved as proposed.

Proposed semester of first offering: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~striketrough~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

This course examines the leadership role that a human resources professional plays in developing the organization's vision, goals, and strategies and the human resource initiatives that support these strategic directions. Students acquire capabilities in job analysis and human resources planning, which provides the informational foundation for all of human resources management.

Prerequisites: COMM 330-3

S-200802.69

New Course Approval — COMM 335-3

McGill / Rapaport

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, a new course COMM 335-3 Organization Effectiveness be approved as proposed.

Proposed semester of first offering: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~striketrough~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

Students learn how to develop high performance work programs that support organizational culture and goals. Students acquire an understanding of an organization's relationship to its external environment; the principles of organizational design, structure, and change; and the strategies for employee communication, retention and involvement.

Prerequisites: COMM 330-3

S-200802.70

New Course Approval — COMM 433-3

McGill / Rapaport

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, a new course COMM 433-3 Recruitment, Selection, Retention be approved as proposed.

Proposed semester of first offering: January 2009

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~striketrough~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

This course develops the knowledge and skills to recruit and select employees who will contribute to the success of an organization. The concepts and techniques of recruitment, selection, orientation, and deployment are examined from legal, ethical, cultural, and strategic perspectives.

Prerequisites: COMM 330-3 and COMM 334-3

S-200802.71

New Course Approval — COMM 434-3

McGill / Rapaport

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, a new course COMM 434-3 Compensation be approved as proposed.

Proposed semester of first offering: January 2009

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~striketrough~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

This course develops the knowledge and skills to design and administer compensation and benefit programs that attract and retain employees and support organizational goals. Labour markets, job evaluation, internal and external equity, and communication and confidentiality are examined from legal, ethical, cultural, and strategic perspectives.

Prerequisites: COMM 334-3

S-200802.72

New Course Approval — COMM 435-3

McGill / Rapaport

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, a new course COMM 435-3 Organizational Learning, Development and Training be approved as proposed.

Proposed semester of first offering: January 2009

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

This course develops the knowledge and skills to design, implement, and evaluate training and development programs that will enable employees to fulfill their potential and contribute to the goals of an organization. Principles of adult learning, coaching and counseling, program design and evaluation, and career planning are examined from legal, ethical, cultural, and strategic perspectives.

Prerequisites: COMM 334-3

S-200802.73

New Course Approval — COMM 436-3

McGill / Rapaport

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, a new course COMM 436-3 Workplace Health and Safety be approved as proposed.

Proposed semester of first offering: January 2009

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

This course develops the knowledge and skills to design, manage and evaluate programs in the areas of health, safety, security, and worker's compensation to ensure the protection and well-being of employees. The joint responsibilities and rights of employers, unions, and employees, the identification of risks and hazards in the environment, the development of training programs and preventative measures, accident investigation, the accommodation of disabled workers, the provision of wellness and employee assistance programs, and information management systems are discussed from legal and ethical perspectives.

Prerequisites: COMM 334-3

Preclusions: HHSC 370-3 Occupational Health

S-200802.74

Approval of New Major in Human Resources Management

Ellis / Robinson

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the new major in Human Resources Management for the Bachelor of Commerce be approved as proposed.

Effective date: September 2008

CARRIED.

The Provost suggested that this major would benefit by using a direct application and direct admit process, and felt that the Program was doing a disservice to this major by not making this change, which had been requested at the Senate Committee on Academic Policy and Planning. He suggested holding off on considering approval of this major until that was done.

Senator Ellis responded that none of the School of Business's programs are direct entry, and that he didn't wish for this to be confrontational, but that the School has been working on this initiative for two years, and they feel this major is a missing piece of their Program. The President commented that it didn't make sense that this debate was being held in Senate, that he hoped these issues could be resolved prior to Senate. The Provost agreed, but reiterated that he had indicated what he thought was required in terms of a budget in order to approve the motion, and felt that direct entry would be an improvement. Another Senator noted that, if she recalled correctly, the funding issue associated with the proposed major had been discussed in CSAM, but they felt there was academic merit to the major and thus voted to move it forward.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~striketrough~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

B. Program Description

1. General Calendar Description:

Major in Human Resources Management The success of any company or organization rests on the commitment and imagination of the people who are its members. Effective human resources management enables an organization to build success through people. By attracting qualified employees, developing their talents through training, fairly compensating them for their efforts and protecting their health and safety, we create organizations that are productive, innovative, and satisfying to employees. We provide our students with the knowledge and skills to effectively manage the people in an organization. Human resources management is a professional field that is growing rapidly in Canada and there are many career opportunities within this exciting field.

The minimum requirement for completion of a Bachelor of Commerce with a major in Human Resources Management is 120 credit hours.

2. Curriculum:

Program Requirements

Note: Students enrolling in any course required for a major in the Bachelor of Commerce degree must have completed all prerequisite courses with a minimum of

C- or better. In exceptional circumstances the Program Chair may waive this requirement on a case by case basis.

Lower Division Requirement

100 Level

COMM 100-3* Introduction to Canadian Business
ECON 100-3 Microeconomics
ECON 101-3 Macroeconomics
MATH 150-3** Finite Mathematics for Business and Economics
or MATH 220-3 Linear Algebra
MATH 152-3** Calculus for Non-majors
or MATH 100-3 Calculus I

*Students transferring with 30 or more credit hours of courses required for the Commerce degree are exempt from this requirement.

**Students wishing to pursue additional Math courses as electives are advised to choose MATH 100-3 (Calculus I) and MATH 220-3 (Linear Algebra).

Students not having the appropriate prerequisites for any courses must consult with the Business Advisor.

200 Level

COMM 210-3 Financial Accounting
COMM 211-3 Managerial Accounting
COMM 220-3 Financial Management I
COMM 230-3 Organizational Behaviour
COMM 240-3 Introduction to Marketing
COMM 251-3 Introduction to Management Science
CPSC 250-3 Applied Business Computing
ECON 205-3 Statistics for the Social and Management Sciences
or MATH 240-3 Basic Statistics

Upper Division Requirement

300 and 400 Level

COMM 300-3 Introduction to Business Law
COMM 304-3 Employment Law in Canada
COMM 320-3 Financial Management II
COMM 330-3 Human Resource Management
COMM 334-3 Strategic Human Resources Planning
COMM 335-3 Organizational Effectiveness

COMM 350-3 Production and Operations Management
COMM 351-3 Management Information Systems
COMM 400-3 Strategic Management
COMM 431-3 Industrial Relations
COMM 433-3 Recruitment, Selection and Retention
COMM 434-3 Compensation
COMM 435-3 Organizational Learning, Development and Training
COMM 436-3 Workplace Health and Safety
ECON 310-3 Intermediate Microeconomic Theory
ECON 311-3 Intermediate Macroeconomic Theory

Elective Requirement

Elective credit hours as necessary to ensure completion of a minimum of 120 credit hours.

S-200802.75

New Course Approval — ENSC 450-3

Rennebohm / Dery

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, a new course ENSC 450-3 Geophysical Data Analysis be approved as proposed.

Proposed semester of first offering: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strikethrough~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

This course focuses on the practical and theoretical aspects of advanced geophysical data analysis methods, including time series analysis, linear multivariate statistical analysis, nonlinear statistical methods based on neural network, inverse theory and optimal estimate of space-state. Emphasis is placed on the environmental analysis and prediction using large datasets (e.g., the global satellite observations) and dynamical models (space-state models). The course format consists of lectures and labs, where students apply theories and methods to solve practical problems.

Prerequisites: MATH 371-3 or MATH 240-3

Preclusions: ENSC 650 -3

Course Equivalencies: ENSC 650

S-200802.76

Changes to Program Requirements — BSc Minor in Environmental Science

Annis / Dery

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the changes to the program requirements for the BSc Minor in Environmental Science be approved as proposed.

Effective date: May 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

Environmental Pollution and Management
ENSC 302-3 Energy Development
ENPL 305-3 Environmental Impact Assessment
ENSC 308-3 Northern Contaminated Environments
ENSC 404-3 Waste Management
ENSC 406-3 Environmental Modelling
ENSC 412-3 Air Pollution
ENSC 451-3 Groundwater Hydrology
ENSC 452-3 Reclamation and Remediation of Disturbed Environments
ENSC 453-3 Environmental Resources Management and Decision Making
NREM 410-3 Watershed Management

It was proposed that motions S-200802.77 and S-200802.78 be moved as an omnibus motion, to which there was unanimous consent.

S-200802.77

Calendar Change — Major in Biochemistry and Molecular Biology

Rennebohm / Holler

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the calendar entry for the Major in Biochemistry and Molecular Biology be changed to reflect the new course numbering for BIOL 312-3 Molecular Cell Physiology.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

300 Level

BIOL 311-3 Cell and Molecular Biology
BIOL 312-3 Molecular Cell Physiology
BIOL 323-3 Evolutionary Biology
CHEM 306-3 Intermediary Metabolism
CHEM 307-3 Proteins
CHEM 308-3 Biochemistry Lab II
CHEM 330-3 Nucleic Acids
CHEM 340-3 Physical Biochemistry

400 Level

BIOL 423-3 Molecular Evolution and Ecology
~~BIOL 424-3 Molecular Cell Physiology~~
BIOL 425-3 Applied Genetics and Biotechnology
CHEM 405-3 Topics in Biochemistry
CHEM 409-3 Enzymology

S-200802.78

Calendar Change — Minor in Biochemistry and Molecular Biology

Rennebohm / Holler

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the calendar entry for the Minor in Biochemistry and Molecular Biology be changed to reflect the new course numbers for BIOL 312-3 Molecular Cell Physiology.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strikethrough~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

300 and 400 Level

12 credit hours must be chosen from the following:

BIOL 311-3 Cell and Molecular Biology

BIOL 312-3 Molecular Cell Physiology

BIOL 323-3 Evolutionary Biology

BIOL 423-3 Molecular Evolution and Ecology

~~BIOL 424-3 Molecular Cell Physiology~~

BIOL 425-3 Applied Genetics and Biotechnology

CHEM 306-3 Intermediary Metabolism

CHEM 307-3 Proteins

CHEM 308-3 Biochemistry Lab II

CHEM 330-3 Nucleic Acids

CHEM 340-3 Physical Biochemistry

CHEM 405-3 Topics in Biochemistry

CHEM 409-3 Enzymology

S-200802.79

Change to Program Requirements — BIOL 202-3, BIOL 203-3 and BIOL 204-3 Required for Biology BSc Majors

Holler / Reid

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, all three of BIOL 202-3 Invertebrate Zoology, BIOL 203-3 Microbiology and BIOL 204-3 Plant Biology be taken by Biology BSc majors as required courses, instead of being able to take a choice of two of the three courses.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strikethrough~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

Major in Biology

The major in Biology requires students to take at least ~~62~~ 65 credit hours of biology-oriented courses, of which 42 credit hours must be upper division (i.e., 300 or 400 level). Note: NRES 430-6 can count as up to six credit hours toward this requirement (with permission of the Biology Program Chair).

The minimum requirement for the completion of a Bachelor of Science with a major in Biology is 126 credit hours.

Program Requirements

Lower Division Requirement

100 Level

BIOL 101-4 Introductory Biology I
BIOL 102-4 Introductory Biology II
CHEM 100-3 General Chemistry I
CHEM 101-3 General Chemistry II
CHEM 120-1 General Chemistry Lab I
CHEM 121-1 General Chemistry Lab II

NRES 100-3 Communications in Natural Resources and
Environmental Studies
or ENGL 170-3 Writing and Communication Skills

MATH 152-3 Calculus for Non-majors
or MATH 100-3 Calculus I
or MATH 105-3 Enriched Calculus

PHYS 100-4 Introduction to Physics
or PHYS 110-4 Introductory Physics I: Mechanics

PHYS 101-4 Introduction to Physics I
or PHYS 111-4 Introductory Physics II: Waves & Electricity

*Recommended: MATH 101-3 Calculus II

Students who are interested in pursuing professional programs should contact the program advisor regarding the correct course sequences required for individual programs.

200 Level

BIOL 201-3 Ecology
BIOL 202-3 Invertebrate Zoology
BIOL 203-3 Microbiology
BIOL 204-3 Plant Biology
BIOL 210-3 Genetics
CHEM 201-3 Organic Chemistry I
CHEM 203-3 Organic Chemistry II
CHEM 204-3 Introductory Biochemistry

Two of:

~~BIOL 202-3 Invertebrate Zoology~~
~~BIOL 203-3 Microbiology~~
~~BIOL 204-3 Plant Biology~~

Two of:

ENSC 201-3 Introduction to Atmospheric Science
ENSC 202-3 Introduction to Aquatic Systems
FSTY 205-3 Introduction to Soil Science
GEOG 210-3 Geomorphology

It was proposed that motions S-200802.80 to S-200802.82 be moved as an omnibus motion, to which there was unanimous consent.

S-200802.80

New Course Approval — FSTY 207-1

Safaei Boorojeny / Reid

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, a new course FSTY 207-1 Terrestrial Ecological Classification be approved as proposed.

Proposed semester of first offering: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

Terrestrial Ecological Classification explores the critical concepts and methodology of classifying terrestrial ecosystems. The course explores the historical context and attributes of several systems of ecological classification. The primary focus is Biogeoclimatic Ecosystem Classification, the standard for natural resource managers in BC. The course also explores regional examples of site classification.

Prerequisites: BIOL 101-4 and BIOL 102-4

S-200802.81

New Course Approval — FSTY 209-4

Safaei Boorojeny / Reid

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, a new course FSTY 209-4 Forest Biology and Silvics be approved as proposed.

Proposed semester of first offering: January 2009

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

Calendar Course Description: Forest Biology and Silvics explores critical aspects of the biology of forest floor organisms and the autecology of associated regional tree species. The course also examines the biology and ecology of forest ecosystems, the structure and function of forest trees and stands, the influence of biotic and abiotic factors on tree and stand growth, interactions between forest ecosystems and ecological site conditions, and silvicultural attributes of tree species of Western Canada.

Prerequisites: BIOL 101-4 and BIOL 102-4 and FSTY 201-3

S-200802.82

New Course Approval — FSTY 317-1

Safaei Boorjony / Reid

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, a new course FSTY 317-1 Forest Disturbance Agents be approved as proposed.

Proposed semester of first offering: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

This laboratory course focuses on the identification of pathogens and insects of importance in forest health. The course is required for students in the Natural Resources Management degree Forest Ecology and Management major, and it should be taken concurrently with FSTY 307-3. Field trips are required.

Prerequisites: 60 credit hours

Co-requisites: FSTY 307-3

Preclusions: FSTY 307-4

S-200802.83

New Course Approval — NREM 413-3

Annis / Robinson

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, a new course NREM 413-3 Agroforestry be approved as proposed.

Proposed semester of first offering: September 2009

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

This course introduces students to agroforestry concepts, strategies and practices (systems). Discussions include ecological, economic, and social circumstances under which a landowner lives and makes decisions about whether or not to practice agroforestry. Both temperate and tropical approaches to agroforestry systems are addressed in the course. Special attention is given to agroforestry research and development in British Columbia.

Prerequisites: Upper Division Standing (More Than 60 Credit Hours)

It was proposed that motions S-200802.84 to S-200802.86 be moved as an omnibus motion, to which there was unanimous consent.

S-200802.84

Change to Course Title and Credit Hours — FSTY 201-4

Rennebohm / Holler

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the course title and number of credit hours for FSTY 201-4 Plant Systems be changed as proposed.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

~~**FSTY 201-4**~~ **FSTY 201-3 Forest Plant Systems** ~~Identification and ecology of important forest plants (woody and herbaceous); attributes significant to vegetation management. Field trips required. Includes development of a plant collection. This course provides knowledge and understanding of classification, nomenclature and identification, morphology, phenology, range, natural history, evolutionary relationships, and basic ecology of important trees (native and exotic) and forest plant families (woody and herbaceous) in western Canada. The course also provides a survey of plant indicator potential and attributes significant to vegetation management. The course includes the development of a plant collection and field trips are required.~~

Prerequisites: BIOL 101-4 and BIOL 102-4

Co-requisites: FSTY 205-3

S-200802.85

Change to Course Title, Credit Hours, and Calendar Course Description — FSTY 305-3

Rennebohm / Holler

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the course title, credit hours, and course description of FSTY 305-3 Silviculture I be changed as proposed.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

~~**FSTY 305-3**~~ **FSTY 305-4 Silviculture I Silviculture** ~~Stand dynamics, natural and artificial regeneration methods, site preparation, intermediate stand treatments, relationships of natural resource management to silviculture practices. Field trips required. Silviculture examines forest ecology, stand dynamics, basic management practices and harvesting. Content includes stand dynamics, natural and artificial regeneration methods, site preparation, intermediate stand treatments, silvicultural systems, forest harvesting concepts and practices, and relationships of natural resource management to silviculture practices. Field trips are required.~~

Prerequisites: ~~FSTY 201-4~~ FSTY 201-3, FSTY 205-3, ~~206-3, 208-3~~, FSTY 209-4, NREM 203-3

S-200802.86

Change to Course Title, Credit Hours, and Calendar Course Description — FSTY 307-4

Rennebohm / Holler

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the course title, credit hours, and course description of FSTY 307-4 Forest Health be changed as proposed.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike~~through, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

~~FSTY 307-4~~ FSTY 307-3 Forest Health Disturbance Ecology and Forest Health ~~This lecture course explores principles~~ Principles and concepts of disturbance ecology, including examples of fire, disease and insects forest entomology and forest pathology. Links between anthropomorphic disturbances, Processes for addressing fire risk and forest health problems, and approaches to forest health management are explored. Field trips required.

Prerequisites: 60 credit hours, ~~FSTY 201-4~~ FSTY 201-3, FSTY 207-1, FSTY 208-3 ~~FSTY 209-4~~

It was proposed that motions S-200802.87 and S-200802.88 be moved as an omnibus motion, to which there was unanimous consent.

S-200802.87

Change to Course Title, Credit Hours, and Calendar Course Description — NREM 100-2

Rennebohm / Holler

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the course title, credit hours, and course description of NREM 100-2 Natural Resources Management I be changed as proposed.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike~~through, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

~~NREM 100-2~~ NREM 100-3 Natural Resources Management I Field Skills ~~This course is an introduction to basic~~ introduces contemporary and traditional field skills in the natural resources including field navigation, outdoor survival, plant and tree identification, basic natural resource measurements, use of GPS, and air photo interpretation. Extensive fieldwork is required.

Prerequisites: none

**Note: Applications for exemption from ~~NREM 100-2~~ NREM 100-3 must be made within the first year of study in any program that requires ~~NREM 100-2~~ NREM 100-3.*

S-200802.88

Change to Credit Hours and Calendar Course Description — NREM 101-2

Rennebohm / Holler

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the credit hours and course description for NREM 101-2 Natural Resources Management II be changed as proposed.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

~~**NREM 101-2**~~ ~~**NREM 101-3**~~ ~~**Natural Resources Management II**~~ ~~**Introduction to Natural Resources Management and Conservation**~~ Introduction to natural resource policies, issues and professional fields of natural resources management. This course introduces past, present and future issues in natural resources management and conservation. Guest speakers share their professional experiences working in various fields of natural resources management. Students learn to think critically about the multidisciplinary nature of resource management and they provide solutions to complex, real-world problems.

Prerequisites: none

It was proposed that motions S-200802.89 to S-200802.92 be moved as an omnibus motion, to which there was unanimous consent.

S-200802.89

Course Deletion — FSTY 206-3

Reid / McGill

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, FSTY 206-3 Forest Biology be deleted.

Effective date: September 2008

CARRIED.

S-200802.90

Course Deletion — FSTY 208-3

Reid / McGill

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, FSTY 208-3 Silvics be deleted.

Effective date: September 2008

CARRIED.

S-200802.91

Course Deletion — FSTY 302-3

Reid / McGill

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, FSTY 302-3 Forest Harvesting Systems be deleted.

Effective date: September 2008

CARRIED.

S-200802.92

Course Deletion — FSTY 309-3

Reid / McGill

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, FSTY 309-3 Fire Ecology and Management be deleted.

Effective date: September 2008

CARRIED.

S-200802.93

Approval of New Minor in Biology and Conservation

Reid / Dery

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the new minor in Biology and Conservation be approved as proposed.

Proposed start date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

B. Program Description

- 1. General Calendar Description:** The minor in Biology and Conservation provides students with a background in ecological principles and techniques associated with the management and conservation of animal and plant populations and communities associated with a range of ecosystems. Upon completion of the minor, students will have a broad background in genetics and evolution, population and community dynamics, ecological analysis, and the key problems and approaches for conserving biological diversity.

The minor in Biology and Conservation requires the completion of a minimum of 27 credit hours of study (plus associated prerequisites). A maximum of two courses (6 credit hours) used to fulfill the requirements for a major, or another minor, may also be used to fulfill requirements for this minor. Forest Ecology and Management Majors will have the following pre-requisites as part of the major core requirements. Students from other majors will need to fulfill the pre-requisite requirements for this minor.

BIOL 101-4 Introductory Biology I
BIOL 102-4 Introductory Biology II
BIOL 201-3 Ecology
MATH 240-3 Basic Statistics

- 2. Curriculum:**

Required Courses

BIOL 210-3 Genetics
BIOL 325-3 Ecological Analysis
BIOL 410-3 Population and Community Ecology
BIOL 411-3 Conservation Biology

Five of the following courses, three of which must be Biology courses:

NREM 204-3 Introduction to Wildlife and Fisheries
BIOL 303-3 Plant Physiology
BIOL 305-3 Plant Morphology and Anatomy
BIOL 307-3 Ichthyology and Herpetology
BIOL 308-3 Ornithology and Mammalogy
BIOL 321-3 Animal Physiology
BIOL 323-3 Evolutionary Biology
BIOL 350-3 Ethnobotany
BIOL 401-3 Plant-Microbial Interactions
BIOL 402-3 Aquatic Plants
BIOL 404-3 Plant Ecology
BIOL 406-3 Fish Ecology
BIOL 412-3 Wildlife Ecology
BIOL 440-3 Internship
ENPL 305-3 Environmental Impact Assessment
ENVS 325-3 Global Environmental Change
NREM 413-3 Agroforestry

S-200802.94

Approval of New Minor in Earth Sciences

Domshy / McGill

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the new minor in Earth Sciences be approved as proposed.

Proposed start date: September 2008

CARRIED.

A Senator noted that the proposed new minors are introducing new policy into the University, as they're obligatory to the degree. He added that it was his understanding that the minors were introduced simply because streams or specializations are not currently noted on parchments. Dean McGill responded that the minors were not mandatory, but a suite of courses was mandatory that happened to constitute a minor.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~striketrough~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

B. Program Description

- 1. General Calendar Description:** The Earth Sciences minor provides depth in areas of earth science that support natural resource management. Students are required to complete 18 credit hours (12 of which must be 300 or 400 level) chosen from the following lists, with at least one course from each of the first three groups. A maximum of two courses (6 credit hours) used to fulfill the requirements for a major, or another minor, may also be used to fulfill requirements for this minor. It is the student's responsibility to ensure that they have the required prerequisites.

2. Curriculum:

Hydrology:

ENSC 202-3 Introduction to Aquatic Systems
ENSC 451-3 Groundwater Hydrology
ENSC 454-3 Snow and Ice
GEOG 310-3 Hydrology *or* NREM 410-3 Watershed Management

Geomorphology:

GEOG 311-3 Concepts in Geomorphology
GEOG 405-3 Fluvial Geomorphology
GEOG 411-3 Advanced Elements in Geomorphology
GEOG 412-3 Geomorphology of Cold Regions
GEOG 414-3 Weathering Processes

Soil Science:

FSTY 315-3 Forest Soil Management
FSTY 425-3 Soil Formation and Classification
FSTY 455-3 Biogeochemical Processes in Soil Systems

Other:

ENSC 425-3 Global Change Science
GEOG 413-3 Advanced GIS
GEOG 432-3 Remote Sensing
GEOG 457-3 Advanced Remote Sensing

S-200802.95

Approval of New Minor in Natural Resources Planning and Operations

Hutchings / McGill

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the new minor in Natural Resources Planning and Operations be approved as proposed.

Proposed start date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

B. Program Description

- 1. General Calendar Description:** The Natural Resources Planning and Operations minor is designed for students primarily interested in planning and operations (and their governing policies) related to the management of forested and non-forested lands. Students will learn about natural resource policy, forest-management planning and

operations, environmental impacts of management practices, forest productivity and timber supply, and resource sustainability along with current computer-based management tools. It is strongly recommended that students taking this minor have a background in forest ecology and management.

The minor in Natural Resources Planning and Operations requires the completion of 19 credit hours, of which 12 credit hours must be at the upper division (i.e., 300 or 400 level). Courses used to fulfill major requirements may not be applied toward the minor in Forest Planning and Operations. It is the student's responsibility to ensure that they have the required prerequisites.

2. Curriculum:

Required Courses

NREM 210-4 Integrated Resource Management

ENVS 301-3 Natural Resources, Environmental Issues, and Public Engagement

Four from the following courses (with no more than two courses in any single program [e.g., ENPL]):

BIOL 325-3 Ecological Analysis

BIOL 413-3 Wildlife Management

ECON 305-3 Environmental Economics

ECON 330-4 Resource Economics

ECON 411-3 Cost-Benefit Analysis

ENPL 204-3 Principles and Practices of Planning

ENPL 303-3 Spatial Planning with GIS

ENPL 304-3 Mediation, Negotiation and Public Participation

ENPL 305-3 Environmental Impact Assessment

ENPL 410-3 Land Use Planning

ENPL 411-3 Planning Theory, Process and Implementation

ENSC 453-3 Environmental Resource Management / Decision Making

FSTY 310-3 Forest Economics

FSTY 315-3 Forest Soil Management

FSTY 405-3 Forest Growth and Yield

FSTY 407-3 Forest Products

GEOG 413-3 Advanced GIS

NREM 306-3 Society, Policy and Administration

NREM 410-3 Watershed Management

NREM 413-3 Agroforestry

S-200802.96

Approval of New Minor in Social Dimensions of Natural Resources Management

Rapaport / Rennebohm

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the new minor in Social Dimensions of Natural Resources Management be approved as proposed.

Proposed start date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

B. Program Description

- 1. General Calendar Description:** The Minor in Social Dimensions of Natural Resources Management prepares students to engage the public and First Nations in collaborative processes dealing with the range of values encompassed within the practice of natural resources management. Upon completion of the minor, students will be familiar with planning policy and practice as it applies to natural resources management, the range of values and social considerations that apply to a number of resource sectors, and tools for soliciting and involving multi-stakeholder interests.

The minor in Social Dimensions of Natural Resources Management requires the completion of a minimum of 24 credit hours of study. A maximum of two courses (6 credit hours) used to fulfill the requirements for a major, or another minor, may also be used to fulfill requirements for this minor. Students need to fulfill the prerequisite requirements for this minor.

2. Curriculum:

Required

ENPL 401-3 Environmental Law

(additional pre-requisites required POLS 100-3 Contemporary Political Issues)

One of:

ENPL 304-3 Mediation, Negotiation and Public Participation

ENVS 326-3 Natural Resources, Environmental Issues, and Public Engagement

One of:

POLS 332-3 Community Development

POLS 434-3 Resource Communities in Transition

An additional five of the following courses (no more than 2 courses in any single program [e.g., ENPL]):

BIOL 350-3 Ethnobotany

ENPL 104-3 Introduction to Planning

ENPL 304-3 Mediation, Negotiation and Public Participation

ENPL 319-3 Social Research Methods

ENPL 409-4 Advanced First Nations Community and Environmental Planning

ENVS 326-3 Natural Resources, Environmental Issues, and Public Engagement
ENVS 325-3 Global Environmental Change: Science and Policy
FNST 203-3 Introduction to Traditional Ecological Knowledge
FNST 304-3 First Nations Environmental Philosophy and Knowledge
FSTY 440-3 Internship
GEOG 401-3 Resource Geography
GEOG 403-3 Aboriginal Geography
GEOG 424-3 Social Geography of Northern Communities
HIST 421-(3-6) Topics in Environmental History
NREM 413-3 Agroforestry
ORTM 200-3 Sustainable Outdoor Recreation and Tourism
POLS 220-3 Canadian Law and Aboriginal Peoples
POLS 316-3 Community, Government and Politics
POLS 332-3 Community Development
POLS 434-3 Resource Communities in Transition

S-200802.97

Approval of New Minor in Forest Recreation

McGill / Hutchings

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the new Minor in Forest Recreation be approved as proposed.

Proposed start date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

B. Program Description

3. General Calendar Description: The minor in Forest Recreation provides natural resource management students and others with an opportunity to gain a foundation and expertise in the specialized aspects of forest recreation while pursuing another major. The minor requires students to take a total of 18 credits. The minor has three required courses basic to the field of Forest Recreation (nine credits) and a set of elective courses (minimum of nine credits).

4. Curriculum:

Required Courses

ORTM 100-3 Leisure in Life

ORTM 200-3 Sustainable Recreation and Tourism

ORTM 300-3 Recreation and Tourism Impacts

Elective Courses

Nine credit hours from the following list with a minimum of three credit hours at the 400 level:

ORTM 301-3 Environmental Interpretation
ORTM 305-3 Protected Area Planning and Management
ORTM 306-3 Indigenous Tourism and Recreation
ORTM 333-3 Field Experience
ORTM 400-3 Recreation and Tourism Ecology, Management and Design
ORTM 407-3 Recreation, Tourism and Communities
ORTM 410-3 Research Methods and Analysis
ORTM 412-3 Issues and Trends in Outdoor Recreation and Tourism
ORTM 440-(2-6) Internship
ORTM 498-(1-3) Special Topics
ORTM 499-(1-6) Independent Study

A maximum of two courses (six credit hours) used to fulfill program requirements for a major (or another minor) may also be used to fulfill requirements for this minor.

An Executive Summary of the BSc in Natural Resources Management (Forestry Major) was included for information.

S-200802.98

Change to Program Requirements — BSc in Natural Resources Management (Forestry Major)

McGill / Annis

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the revisions to the BSc in Natural Resources Management (Forestry Major) be accepted and the calendar changed to reflect the revisions as proposed.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strikethrough~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

Major in Forestry

Major in Forest Ecology and Management

~~Undergraduate students are required to take 22 Forestry and Natural Resources Management courses (68 credit hours). Of these, 15 courses must be upper division.~~

Undergraduate students are required to take a total of 96 credit hours of program core courses in addition to a qualified minor as outlined below.

The minimum requirement for completion of a Bachelor of Science with a major in Forest Ecology and Management is ~~136~~ 123 credit hours.

Program Requirements

100 Level Requirements:

BIOL 101-4 Introductory Biology I

BIOL 102-4 Introductory Biology II

CHEM 100-3 General Chemistry I
CHEM 101-3 General Chemistry II
CHEM 120-1 General Chemistry Lab I
CHEM 121-1 General Chemistry Lab II
~~CPSC 110-3 Introduction to Computer Systems and Programming~~
COMM 100-3 Introduction to Canadian Business
ECON 100-3 Microeconomics
MATH 152-3 Calculus for Non-majors
~~NREM 100-2 *Natural Resources Management I~~
NREM 100-3 *Field Skills
~~NREM 101-2 Natural Resources Management II~~
NREM 101-3 Introduction to Natural Resource Management and Conservation
NRES 100-3 Communications in Natural Resources and Environmental Studies
~~PHYS 115-4 General Introduction to Physics~~

*Note: Applications for exemption from ~~NREM 100-2~~ NREM 100-3 must be made within the first year of study in any Natural Resource Management major.

200 Level Requirements:

BIOL 201-3 Ecology
COMM 230-3 Organizational Behaviour
ENSC 201-3 Introduction to Atmospheric Science
~~FSTY 201-4 Plant Systems~~
FSTY 201-3 Forest Plant Systems
FSTY 205-3 Introduction to Soil Science
~~FSTY 206-3 Forest Biology~~
~~FSTY 208-3 Silvics~~
FSTY 207-1 Ecological Classification
FSTY 209-4 Forest Biology and Silvics
GEOG 205-3 Cartography and Geomatics
or GEOG 300-3 Geographic Information Systems
GEOG 210-3 Geomorphology
MATH 240-3 Basic Statistics
NREM 203-3 Resource Inventories and Measurements
~~NREM 210-4 Integrated Resource Management~~

300 Level Requirements:

~~ENPL 305-3 Environmental Impact Assessment~~
~~FSTY 302-3 Forest Harvesting Systems~~
~~FSTY 305-3 Silviculture I~~
FSTY 305-4 Silviculture
~~FSTY 307-4 Forest Health~~
FSTY 307-3 Disturbance Ecology and Forest Health
FSTY 317-1 Forest Disturbance Agents
~~FSTY 309-3 Fire Ecology and Management~~
FSTY 310-3 Forest Economics or NREM 306 Society, Policy and Administration

~~INTS 307-3 Global Resources~~
~~MATH 342-3 Biostatistics~~
NREM 303-3 First Nations' Approaches to Resource Management
~~NREM 306-3 Society, Policy and Administration~~
NREM 333-3 Field Applications in Resource Management

400 Level Requirements:

~~FSTY 405-3 Silviculture II~~
~~FSTY 407-3 Forest Products~~
FSTY 408-3 Forest Practices and Management
NREM 400-4 Natural Resources Planning
~~NREM 410-3 Watershed Management~~
NREM 411-3 Environmental and Professional Ethics
NRES 421-1 Professional Writing
and NRES 422-2 Undergraduate Report
or NRES 430-6 Undergraduate Thesis

Elective Requirement:

~~Elective credit hours as necessary to ensure completion of a minimum of 136-123 credit hours.~~

Minor requirement associated with Forest Ecology and Management major

Forest Ecology and Management students are required to complete a minor as part of their degree. The eligible minors will allow students to gain a solid foundation in numerous specialized areas of forest management.

Eligible minors include:

- Biology and Conservation
- Earth Science
- Environmental Planning
- Environmental Science
- Environmental Studies
- Forest Recreation
- General Business
- Geographic Information Systems (GIS)
- Global Environmental Change
- Natural Resources Planning and Operations
- Social Dimensions of Natural Resource Management

Minors have different credit hours requirements, but for all minors 12 credit hours must be at the upper division (i.e., 300 or 400 level). Students must ensure that all prerequisite courses have been completed for elective choices in each minor. Beyond

the specific minor requirements, students must complete elective credit hours as necessary to ensure completion of a minimum of 123 credit hours.

~~BSc Honours-Forestry~~

BSc Honours-Forest Ecology and Management

The Honours in ~~Forestry~~ Forest Ecology and Management offers students a higher level of education and research experience for proceeding to post graduate studies. Honours students are required to complete the degree requirements for the BSc Natural Resources Management (~~Forestry Major~~) (Forest Ecology and Management Major). In addition, required hours of electives credits must be at the 300 or 400 level and each student must complete a 6 credit hour research thesis under the supervision of a faculty member.

Admission to the honours program will take place after the completion of 60 credit hours and will require a minimum CGPA of 3.33. Attaining the minimum requirement will not guarantee admission to the honours program, which will be at the discretion of the Program. Maintenance of a CGPA of 3.33 is required to remain in the honours program.

Elective credit hours are determined to be the number of credit hours needed to ensure completion of a minimum of ~~136~~ 123 credit hours; not including thesis.

S-200802.98A

Change to Program Requirements — BSc in Natural Resources Management (Wildlife and Fisheries Major)

Rennebohm / Casperson

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the revisions to the BSc in Natural Resources Management (Wildlife and Fisheries major) be approved.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

Major in Wildlife and Fisheries

~~Undergraduate students are required to take 16 Biology courses (50 credit hours) and six Natural Resources Management courses (17-18 credit hours).~~ Undergraduate students are required to take 21 Biology and Natural Resources Management courses (65-66 credit hours). Of these, 14 courses must be upper division.

The minimum requirement for completion of a Bachelor of Science with a major in Wildlife and Fisheries is ~~125~~ 123 credit hours.

Program Requirements

Lower Division Requirement

100 Level

BIOL 101-4 Introductory Biology I

BIOL 102-4 Introductory Biology II

CHEM 100-3 General Chemistry I

CHEM 101-3 General Chemistry II

CHEM 120-1 General Chemistry Lab I

CHEM 121-1 General Chemistry Lab II

MATH 152-3 Calculus for Non-majors

~~NREM 100-2~~ NREM 100-3* Natural Resources Management I Field Skills

~~NREM 101-2~~ NREM 101-3 Introduction to Natural Resources Management II and Conservation

NRES 100-3 Communications in Natural Resources and Environmental Studies
or ENGL 170-3 Writing and Communication Skills

PHYS 115-4 General Introduction to Physics

or PHYS 100-4 Introduction to Physics I

***Note:** Applications for exemption from ~~NREM 100-2~~ NREM 100-3 must be made within the first year of study in any Natural Resource Management major.

200 Level

BIOL 201-3 Ecology

BIOL 210-3 Genetics

CHEM 220-3 Organic and Biochemistry

~~FSTY 201-4~~ FSTY 201-3 Forest Plant Systems

or BIOL 301-3 Systematic Botany

FSTY 207-1 Terrestrial Ecological Classification

FSTY 205-3 Introduction to Soil Science

NREM 204-3 Introduction to Wildlife and Fisheries

~~NREM 210-4~~ Integrated Resource Management

MATH 240-3 Basic Statistics

Two of:

BIOL 202-3 Invertebrate Zoology

BIOL 204-3 Plant Biology

~~FSTY 206-3 Forest Biology~~ NREM 210-4 Integrated Resource Management

GEOG 210-3 Geomorphology

Upper Division Requirement

300 Level

BIOL 302-3 Limnology

BIOL 307-3 Ichthyology and Herpetology
BIOL 308-3 Ornithology and Mammalogy
BIOL 315-3 Animal Diseases and Parasites
BIOL 325-3 Ecological Analyses
ENPL 305-3 Environmental Impact Assessment
 or ENVS 326-3 Natural Resources, Environmental Issues and Public Engagement
 or NREM 411-3 Environmental and Professional Ethics
GEOG 300-3 Geographic Information Systems
~~MATH 342-3 Biostatistics~~
NREM 303-3 First Nations, Approaches to Resource Management
 or NREM 306-3 Society, Policy and Administration

400 Level

BIOL 402-3 Aquatic Plants
 or BIOL 404-3 Plant Ecology
BIOL 406-3 Fish Ecology
BIOL 410-3 Population and Community Ecology
BIOL 411-3 Conservation Biology
BIOL 412-3 Wildlife Ecology
BIOL 413-3 Wildlife Management
BIOL 414-3 Fisheries Management
NREM 400-4 Natural Resources Planning
 or NREM 410-3 Watershed Management
 or NREM 333-3 Field Camp

Electives

Elective credit hours as necessary to ensure completion of a minimum of ~~125~~ 123 credit hours.

S-200802.99

New Course Approval — ORTM 433-(1-6)

Madak / Dery

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, a new course ORTM 433-(1-6) Field Experience II be approved as proposed.

Proposed semester of first offering: May 2009

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

This senior-level experiential course provides a combination of theoretical and practical skills in the field. The course integrates outdoor recreation and nature-based tourism perspectives, and is based in various locations in BC, and worldwide. ORTM 433 may be offered in conjunction with ORTM 333; in some years enrolment may be required in both.

Credit Hours: 1-6

Contact Hours: Lecture ____, Laboratory ____, Seminar ____, Other (specify): 1-6 (dependent on credit hours, but also on specific iteration of the course). Specific nature of the contact hours (seminar vs. lab) will also depend on the specific iteration of the course.

Prerequisites: Any 300 level ORTM course and 60 credit hours, and permission of instructor.

Co-requisites: ORTM 333-3 in some years

S-200802.100

Change to Program Requirements — Geography Program (BSc) Minor in Geographic Information Systems

McGill / Casperson

That, upon the recommendation of the Senate Committee on Academic Policy and Planning, the revisions to the Geography Program (BSc) minor in Geographic Information Systems be approved and the calendar changed to reflect the revisions as proposed.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

Minor in GIS (Geographic Information Systems)

The aim of the minor is to provide a level of competence in, ~~and exposure to,~~ a combination of courses in Geographic Information Systems and Computer Science technologies. This grouping is designed to serve both majors in NRES programs and in Computer Science. Combining these selected courses in Geography and Computer Science will provide a level of proficiency in geographic data processing and analysis suitable for careers in the GIS industry.

The ~~four~~ three required Geography courses are the core of the minor, along with four additional courses selected from a list of GIS courses and Computer Science courses, of which CPSC 110-3 (Introduction to Computer Systems and Programming), CPSC 126-3 (Introduction to Computer Systems), and ~~CPSC 311-3 (Computer Applications Programming)~~ CPSC 350-3 (Computer Graphics) are aimed at those not majoring in Computer Science. ~~The final project course is designed to integrate the Minor components.~~

A maximum of two courses (six credit hours) at or above the 200 level used to fulfill program requirements for a major or another minor may also be used to fulfill requirements for a minor in GIS.

The minimum requirement for the completion of the minor in GIS is ~~24~~ 21 credit hours, of which at least 12 must be upper year credits.

Requirements

GEOG 205-3	Cartography and Geomatics
GEOG 300-3	Geographic Information Systems
GEOG 413-3	Advanced GIS
GEOG 432-3	Remote Sensing

Four (4) from the courses listed below, to include at least one (1) in GEOG/ENPL and two (2) in CPSC

GEOG 430-3	Undergraduate Thesis
GEOG 440-3	Internship
GEOG 498-3	Directed Studies
GEOG 499-3	Independent Studies
CPSC 490-3, CPSC 491-3	Computing Project I, II
CPSC 495-3, CPSC 496-3	Undergraduate Research Project I, II
<u>GEOG 204-3</u>	<u>GIS for the Social Sciences</u>
<u>ENPL 303-3</u>	<u>Spatial Planning with GIS</u>
<u>GEOG 413-3</u>	<u>Advanced GIS</u>
<u>GEOG 457-3</u>	<u>Advanced Remote Sensing</u>

Three of:

CPSC 100-4 or CPSC 110-3	Computer Programming I Introduction to Computer Systems and Programming
CPSC 126-3	Introduction to Computer Systems
CPSC 270-3	Human Interface Design
CPSC 311-3	Computer Applications Programming
<u>CPSC 350-3</u>	<u>Computer Graphics</u>
CPSC 422-3	Database Systems
CPSC 440-3	Computer Networks

The following items were presented to Senate for information:

SCAPP200801.09

Prerequisite Change — HIST 421-(3-6)

That the changes to the prerequisite for HIST 421-(3-6) Topics in Environmental History be approved as proposed.

Effective date: May 2008

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

HIST 421-(3-6) Topics in Environmental History This course explores aspects of environmental history in a variety of geographic settings in various historical periods; the precise content of the course will vary from year to year depending on the expertise of the instructor. The course may be repeated with the permission of the instructor and program chair if the subject matter of the course differs substantially.

Prerequisites: ~~HIST 260-3~~ or One of HIST 360-3, ENVS 306, GEOG 207, POLS 334, FNST 304 or permission of the instructor.

SCAPP200801.10

Prerequisite Change — HIST 440-(3-6)

That the changes to the prerequisite for HIST 440-(3-6) Internship in History be approved as proposed.

Effective date: May 2008

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

HIST 440-(3-6) Internship in History ~~An~~ This is an academic course delivered in relevant workplaces (museums, archives, etc). Students ~~will be~~ are supervised in a manner that ~~will enable~~ them to integrate their academic skills with practical application. This course may be repeated once for a total of six credits. Prerequisites: History interns must be History majors who have completed 60 credit hours. Permission of the Chair of ~~undergraduate advisor~~ for History is required for registration. ~~60 credit hours. HIST 200-3~~

SCAPP200801.11

Prerequisite Change — HIST 458-(3-6)

That the changes to the prerequisite for HIST 458-(3-6) Topics in Law, Order and Society be approved as proposed.

Effective date: May 2008

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

HIST 458-(3-6) Topics in Law, Order, and Society This course explores the historical interrelationships of law, authority, and social ordering in several geographic contexts. The course may be repeated with the permission of the instructor and program chair if the subject matter of the course differs substantially. Prerequisites: ~~HIST 210-3 and HIST 211-3~~ Two History courses or permission of the instructor.

SCAPP200801.12

Change to Prerequisite and Calendar Course Description — HIST 490-(3-6)

That the changes to the prerequisite and calendar course description for HIST 490-(3-6) Topics in Historiography be approved as proposed.

Effective date: May 2008

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

HIST 490-(3-6) Topics in Historiography This course ~~will~~ examines particular themes in the history of history as a discipline. Topics might include the study of a particular school of historical thought, different interpretations of a major historical event, noteworthy historical controversies or the work of a significant historian. This course may be repeated for credit { a maximum of six credit hours} with the permission of the instructor and the Program Chair (permission to be given only when the subject matter differs substantially). Prerequisites: ~~HIST 200-3 and HIST 300-3~~ and one additional History course or permission of the instructor.

SCAPP200801.13

Change to Prerequisite and Calendar Course Description — HIST 491-(3-6)

That the changes to the prerequisite and calendar course description for HIST 491-(3-6) Topics in Intellectual History be approved as proposed.

Effective date: May 2008

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

HIST 491-(3-6) Topics in Intellectual History This course ~~will~~ examines various themes in the history of ideas. Topics might include major intellectual developments such as the scientific revolution, the Enlightenment or modernism; or the influence of ideas on historical events such as the American and French revolutions may be examined; or particular movements, schools of thought or seminal thinkers may be the focus of the course. This course may be repeated for credit (~~a maximum of six credit hours~~) with the permission of the instructor and the Program Chair (permission to be given only when the subject matter differs substantially).

Prerequisites: ~~HIST 200-3 and~~ HIST 300-3 and one additional History course or permission of the instructor.

SCAPP200801.14

Prerequisite Change — HIST 492-(3-6)

That the changes to the prerequisite for HIST 492-(3-6) Topics in Cultural History be approved as proposed.

Effective date: May 2008

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

HIST 492-(3-6) Topics in Cultural History This course ~~will~~ examines various themes in the history of culture. Topics might include major developments in the history of culture such as the Renaissance or Modernism; or the ways in which major historical events such as the Reformation or the First World War have reshaped culture might be examined; or particular cultural movements (such as classicism of 1960s counter-culture) may be the focus of the course. This course may be repeated for credit (~~a maximum of six credit hours~~) with the permission of the instructor and the Program Chair (~~permission to be is~~ given only when the subject matter differs substantially).

Prerequisites: ~~HIST 200-3 and~~ HIST 300-3 and one additional History course or permission of the instructor.

SCAPP200801.17

Change to Calendar Course Description, Prerequisites and Preclusion — ECON 301-3

That the changes to the calendar entry for ECON 301-3 Women and the Economy, including the course description, prerequisites and preclusion, be approved as proposed

Effective date: May 2008

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

ECON 301-3 Women and the Economy ~~Examination of~~ This course examines women's economic situations in Canada and other industrialized economies.

Labour market topics such as why women earn lower wages than men, occupational segregation, and the international division of labour ~~will be~~ are considered. Other topics include the unequal distribution of resources within the household, pay equity, and the feminization of poverty; attention is paid to public policies relating to these issues.

Prerequisites: ECON 100-3,101-3, or permission of the instructor or COMM 230-3

Precluded: COMM 333-3

SCAPP200801.28

Change to Calendar Course Description and Prerequisite — NURS 304-3

That the changes to the course description and prerequisite for NURS 304-3 be approved as proposed.
Effective date: September 2008

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike~~through, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

NURS 304-3 Introduction to Nursing Knowledge This course pProvides an overview of the types of knowledge or theory in the profession, and how such knowledge is developed. It eEncourages a critical analysis of trends in knowledge development and highlights the crucial relationship of knowledge to practice.

Prerequisites: ~~upper division standing in BScN program~~ NURS 220-5, or enrolment in the Post-Diploma BScN, or permission of the Program Chair

SCAPP200801.29

Change to Course Prerequisite — NURS 306-3

That the changes to the prerequisite for NURS 306-3 be approved as proposed.
Effective date: May 2008

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike~~through, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

NURS 306-3 Introduction to Epidemiology This course applies epidemiological principles in the examination of patterns of disease and disability among populations, particularly those in northern latitudes. It introduces students to the interpretation of vital statistics, the critique of cross-sectional, case-control and cohort design, and the principles of screening.

Prerequisites: ~~upper division standing in the BScN program or permission of the instructor.~~ NURS 220-5, or enrolment in the Post-Diploma BScN, or permission of the Program Chair

Precluded: HHSC 350-3

SCAPP200801.30

Change to Calendar Course Description and Prerequisite — NURS 308-3

That the changes to the course description and prerequisite for NURS 308-3 be approved as proposed.
Effective date: September 2008

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike~~through, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

NURS 308-3 Ethics and Law in Nursing This course eExamines ethical reasoning and the use of ethical theory in nursing practice decisions. Health care law as it relates to nursing practice is explored. Special focus is on the meaning and use of nursing practice acts, professional standards of practice and nursing codes of ethics.

Prerequisites: ~~upper division standing in BScN program~~ NURS 220-5 or permission of the Program Chair

SCAPP200801.31

Change to Calendar Course Description and Prerequisite — NURS 312-3

That the changes to the course description and prerequisite for NURS 312-3 be approved as proposed.
Effective date: September 2008

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

NURS 312-3 Mental Health Nursing Practice This course introduces the theory and concepts of mental health nursing and examines the role of the mental health nurse in northern nursing practice settings. Attention is given to historical, current and projected trends with a focus on the unique concerns of the north.

Prerequisites: ~~upper division standing in NCBNP~~ NURS 220-5 or permission of the Program Chair

SCAPP200801.32

Change to Calendar Course Description and Prerequisite — NURS 313-3

That the changes to the course description and prerequisite for NURS 313-3 be approved as proposed.
Effective date: September 2008

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

NURS 313-3 Nursing Practice with the Elderly Adult This course eExamines the knowledge, skills and attitudes required to provide holistic care to the older adult. The course focuses on the older adult's strengths and wisdom in adjusting to the aging process as well as acknowledging the effect of acute and chronic physical and psychological conditions.

~~Pre- or co-requisites: upper division standing in the NCBNP~~

Prerequisites: NURS 220-5 or permission of the Program Chair

SCAPP200801.66

Change to Calendar Course Description — ENPL 301-3

That the course description for ENPL 301-3 Sustainable Communities: Structure and Sociology be changed as proposed.
Effective date: September 2008

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

ENPL 301-3 Sustainable Communities: Structure and Sociology

Organization, function, change, development and decline of communities; applications emphasizing rural and urban settings. This course focuses on the social dimension of planning, including the organization, function, development, and decline of human settlements. Students learn about the sociology of community and the relations between social interaction and physical structures. Topics include social impact assessments, indicators of sustainable communities, and current planning programs (eg., healthy communities, new urbanism, and Smart Growth).

Prerequisites: none

Preclude: ENVS 301-3

SCAPP200801.67

Change to Calendar Course Description and Course Number — ENPL 419-3

That the course description and number for ENPL 419-3 Social Research Methods be changed as proposed.

Effective date: September 2008

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strikethrough~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

~~**ENPL 419-3 Social Research Methods** This is a capstone course for Environmental Studies BSc and BA majors. An overview of quantitative and qualitative research methods used in environmental studies, social sciences, and humanities, including issues such as research design, data collection techniques, data analysis and management. Approach will be problem-oriented in which students examine a complete system (e.g. pulp industry) cooperatively with students in ENSC 418-3.~~

ENPL 319-3 Social Research Methods This course provides an overview of social research methods used in environmental planning, social sciences, and humanities. Topics covered include research design, data collection techniques (e.g., surveys, interviews), quantitative and qualitative data analysis, and project management.

~~*Prerequisites:* 90 credit hours or permission of the instructor~~

~~*Preclude:* ENVS 419-3~~

Prerequisites: 60 credit hours or permission of the instructor

Precluded: ENVS 419-3 and ENPL 419-3

SCAPP200801.68

Change to Calendar Course Description — ENPL 440-(2-6)

That the course description for ENPL 440-(2-6) Internship be changed as proposed.

Effective date: September 2008

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strikethrough~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

~~**ENPL 440 (2-6) Internship** May be repeated for credit (maximum six credit hours).~~This course allows students to gain applied knowledge in the field of planning outside the university setting. A student can take one or several

internship(s) for a maximum of 6 credit hours toward the Bachelor of Planning degree.

Prerequisites: permission of the instructor and Program Chair.

SCAPP200801.75

Change to Calendar Course Description — COMM 343-3

That the course description for COMM 343-3 Consumer Behaviour be revised as proposed.
Effective date: May 2008

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

COMM 343-3 ~~Consumer Behaviour~~ Behavioural Marketing This course focuses on ~~examines the psychological, social, and cultural factors that influence consumer cognition, feelings, attitudes and behaviour by introducing concepts, principles and theories drawn from marketing and related social science disciplines. Students learn from a managerial decision-making perspective and investigate the implications of consumer behaviour for all stages of the marketing process, including product development, marketing communications, and post-sales services. that are relevant to the prediction and explanation of individual, group and environmental influences on consumption behavior. Beyond understanding how consumption behavior is manifested in all of its forms, students are exposed to a managerial decision making perspective by examining how target market and positioning strategies can be used to influence consumer cognitions, feelings, attitudes, and behavior.~~ examines the psychological, social, and cultural factors that influence consumer cognition, feelings, attitudes and behaviour by introducing concepts, principles and theories drawn from marketing and related social science disciplines. Students learn from a managerial decision-making perspective and investigate the implications of consumer behaviour for all stages of the marketing process, including product development, marketing communications, and post-sales services.

Prerequisites: COMM 240-3

SCAPP200801.76

Change to Calendar Course Description and Course Title — COMM 400-3

That the calendar course description and course title for COMM 400-3 Business Policy I be revised as proposed.
Effective date: September 2008

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

COMM 400-3 ~~Business Policy I~~ Strategic Management An integrated This integrative course which focuses on the core concepts and analytical tools of strategic planning and implementation. The materials presented cover the changes in competitive markets and company strategies that are being driven by globalization and technological innovation. functions and responsibilities of senior management. The course deals with the concept of organizational strategy, including how it is developed and implemented in actual situations. The course includes extensive use of case analysis and features a wide range of business types and sizes. Focus on cases related to small business, tourism and other industries of regional significance.

Recommended: This course is open to Commerce students in their graduating year.

SCAPP200801.96

Course Number and Title Change — BIOL 424-3

That BIOL 424-3 Molecular Cell Physiology be renamed to BIOL 312-3 Molecular Cell Physiology.
Effective date: September 2008

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

BIOL ~~424-3~~ 312-3 Molecular Cell Physiology This course examines the molecular basis of cellular processes from cell-division to cell signalling, cell and tissue interactions, cellular mechanisms of development, cell differentiation, and the immune system.

Prerequisites: BIOL 311-3

Preclusion: BIOL 424-3

SCAPP200801.107

Course Title Change — FSTY 405-3

That the name of FSTY 405-3 Silviculture II be changed to FSTY 405-3 Forest Growth and Yield.
Effective date: September 2008

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

FSTY 405-3 ~~Silviculture II~~ Forest Growth and Yield This course explores factors influencing forest yields, traditional prediction methods, and growth and yield simulation. The course also explores ~~Exploration of~~ stand dynamics, quantitative implications of management treatments and environmental limitations to tree and stand growth.

Prerequisites: NREM 203-3 and MATH 152-3, MATH 342-3 and ~~FSTY 305-3~~ FSTY 305-4

SCAPP200801.110

Calendar Course Description Change — NREM 203-3

That the course description of NREM 203-3 Resource Inventories and Measurements be changed as proposed.
Effective date: September 2008

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

NREM 203-3 Resource Inventories and Measurements ~~Introduction to measurement techniques and concepts used in natural resources fields including forest inventory. Extensive field work required.~~ This course introduces multiple resource inventories, designed to provide an understanding of how natural resources are sampled and quantified. Emphasis is placed on the measurement of forest attributes, and the analysis of forest resource data. Students learn how to

make graphical and numerical summaries of their datasets and to generate descriptive statistics such as measures of central tendency and dispersion. This foundational course prepares students for future courses and careers in natural resource management, by providing them with a set of basic field skills and techniques. Field trips are required.

Prerequisites: ~~three credit hours of computer science, NREM 100-2~~ NREM 100-3

SCAPP200801.111

Change to Calendar Course Description and Prerequisites — NREM 400-4

That the course description and prerequisites for NREM 400-4 Natural Resources Planning be changed as proposed.

Effective date: September 2008

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strikethrough~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

NREM 400-4 Natural Resources Planning ~~Natural resource management planning processes to include crown land and different lease arrangements as well as private land. Inventory, public involvement, implementation, monitoring, and assessing resource values.~~ This course focuses on the development and application of planning frameworks, government policy, and legislation from the perspective of natural resources management in British Columbia and Canada. Students are exposed to contemporary approaches for natural resources planning, the history and current application of policy and legislation in BC, and a variety of tools for engaging the public and stakeholders.

Prerequisites: 90 credit hours ~~and NREM 210-4~~ or permission of the instructor

7.2 Senate Committee on Research and Graduate Studies

Thring

In Dr. Thring's absence, the report from the Senate Committee on Research and Graduate Studies was presented by Dean Martel.

An Executive Summary of the proposed changes to the Economics Program was included for information.

S-200802.101

New Course Approval — ECON 799-12

Holler / Hemingway

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the new course ECON 799-12 Master's Thesis be approved as proposed.

Proposed semester of first offering: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strikethrough~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

The MA thesis should pose and examine a significant development question in a way that demonstrates critical thinking, an understanding of the relevant literature, and the ability

to conduct systematic research. In preparation for the thesis, a research proposal is to be drafted for approval by a supervisory committee. An oral defence of the thesis is required.

S-200802.102

Change to Program Requirements and Calendar Description — MA Development Economics Randall / Casperson

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the new course ECON 799-12 Master's Thesis be approved to be added to the MA Development Economics Program, and the calendar description be revised.

Effective date: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

Development Economics (MA Program)

Fiona MacPhail, Associate Professor, and Program Chair

Paul Bowles, Professor

Ajit Dayanandan, Assistant Professor

Karima Fredj, Assistant Professor

Jalil Safaei Boroojeny, Assistant Professor

Baotai Wang, Assistant Professor

Bryan Bogdanski, Adjunct Professor

Website: <http://www.unbc.ca/economics>

Economic development remains a critical issue for more than three-quarters of the world's population who reside in countries classified as "low income" or "middle income." The causes and consequences of economic development remain contested issues. This academic program considers the changing global, regional and national contexts for economic development; the policy lessons that can be learned from comparative studies; and the tools required to enable development economists to contribute to the development process.

Economic development cannot be studied in isolation from other dimensions of development. An understanding of poverty, for example, requires not only economic analysis but also an understanding of the insights provided by other social and health sciences. The training of a development economist must therefore expose students to interdisciplinary approaches to development.

The Master of Arts degree in Development Economics is available on a full-time or part-time basis, involving coursework and the mandatory completion of a graduate project or thesis. Upon admission into the Development Economics MA program, each student will be assigned a supervisor, who will work closely with the students to monitor their program of study and progress. In consultation with the supervisor, students will choose courses designed to complement and inform their areas of interest.

Admission Requirements:

Applicants to the UNBC Development Economics MA program must follow the admission requirements outlined in [Section 1.0 of the UNBC Graduate Academic Calendar](#). Applicants normally should have a four-year undergraduate degree that is equivalent to a UNBC degree in Economics. In addition to these requirements, applicants must also provide a sample of written work (usually a senior-level undergraduate essay or research paper) as part of their application. Entrance to the MA will be competitive: only applicants with a record of excellence in undergraduate work, strong letters of academic recommendation, and strong letters of intent will be considered. In their letters of intent, applicants should demonstrate evidence of interest in the MA's areas of specialization (Development Economics). ~~The application deadline is March 30, 2007 for the September 2007 entry. The deadline will be February 15 in subsequent years (please consult the Graduate Calendar Admission Deadlines).~~ Successful applicants will enter the M.A. program the following September (at the beginning of the Fall Semester).

Application deadlines are found in this calendar under "Semester Dates" or online at: <http://www.unbc.ca/calendar/graduate/>, also under "Semester Dates." The Development Economics MA Program accepts students for the September Semester.

For additional information about graduate admissions or to download application materials, go to the Graduate Programs website at <http://www.unbc.ca/graduateprograms/>.

Requirements:

The course of study is composed of a minimum total of 24 credit hours of work for the project option and a minimum of 27 credit hours of work for the thesis option. First, students are required to complete 5 courses totaling 15 credit hours. Second, students are required to produce (i) both a detailed project proposal and bibliography and to defend, in a formal oral examination, a 9-credit project of a maximum of 50 pages in length or (ii) a detailed thesis proposal and to defend, in a formal oral examination, a 12 credit thesis of a maximum of 75 pages.

Required Courses:

ECON 601-3	The Global Economy
ECON 604-3	Poverty, Inequality and Development
ECON 710-3	Macroeconomic Policy for Development
ECON 712-3	Applied Econometrics

Required Research:

ECON 798-9	MA Project <u>or</u>
ECON 799-12	MA Thesis

In addition, any student who does not, at the time of entry to the program, have a course in advanced microeconomics at the undergraduate level will be required to take [ECON 451-3](#) (Advanced Microeconomics).

Elective Course:

The elective course is normally selected from graduate level Economics courses offered at UNBC and must be approved by the supervisor.

S-200802.103

New Course Approval — ENSC 650-3

Holler / Hemingway

That, on the recommendation of the Senate Committee on Research and Graduate Studies, a new course ENSC 650-3 Geophysical Data Analysis be approved as proposed.

Proposed semester of first offering: September 2008

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

This course focuses on the practical and theoretical aspects of advanced geophysical data analysis methods, including time series analysis, linear multivariate statistical analysis, nonlinear statistical methods based on neural network, inverse theory and optimal estimate of space-state. Emphasis is placed on the environmental analysis and prediction using large datasets (e.g., the global satellite observations) and dynamical models (space-state models). The course format consists of lectures and labs, where the students apply theories and methods to solve practical problems.

Preclusions: ENSC 450-3

Course Equivalencies: ENSC 450-3

S-200802.104

New Course Approval — MATH 641-3

Hyndman / Reid

That, on the recommendation of the Senate Committee on Research and Graduate Studies, a new course MATH 641-3 Nonparametric Statistics be approved as proposed.

Proposed semester of first offering: None indicated

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

This course discusses the methodology and application of nonparametric statistics. The topics to be covered include goodness-of-fit tests, contingency tables, empirical distribution function tests, the sign test, the Wilcoxon test, the Wilcoxon-Mann-Whitney test, the Kruskal-Wallis test, and rank correlation.

Preclusions: MATH 441-3

Course Equivalencies: Proposed MATH 441-3

It was proposed that motions S-200802.104 and S-200802.105 be moved as an omnibus motion, to which there was unanimous consent.

S-200802.105

Course Deletion — MATH 610-3

Reid / Hemingway

That, on the recommendation of the Senate Committee on Research and Graduate Studies, MATH 610-3 History of Mathematics be deleted.

Effective date: September 2008

CARRIED.

S-200802.106

Course Deletion — MATH 625-3

Reid / Hemingway

That, on the recommendation of the Senate Committee on Research and Graduate Studies, MATH 625-3 Mathematical Logic be deleted.

Effective date: September 2008

CARRIED.

S-200802.107

New Course Approval — NREM 613-3

Hyndman / McGill

That, on the recommendation of the Senate Committee on Research and Graduate Studies, a new course NREM 613-3 Agroforestry be approved as proposed.

Proposed semester of first offering: September 2009

CARRIED.

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

This course introduces students to agroforestry concepts, strategies and practices (systems). Discussions include ecological, economic, and social circumstances under which a landowner lives and makes decisions about whether or not to practice agroforestry. Both temperate and tropical approaches to agroforestry systems are addressed in the course. Special attention is given to agroforestry research and development in British Columbia. Students are exposed to current modelling techniques used in agroforestry, as well as research opportunities in agroforestry.

Prerequisites: Upper Division Standing (More than 60 Credit Hours)

Preclusions: NREM 413

7.3 Senate Committee on Scholarships and Bursaries

Madak

The following item was presented to Senate for information:

SCSB20071010.03

New Terms and Conditions — Canadian Federation of University Women – Prince George – Beryl McMurray Award

That the new terms and conditions for the Canadian Federation of University Women – Prince George – Beryl McMurray Award be approved as proposed.

Effective date: September 2008

Details of the approved calendar text are as follows (for revisions, deleted text indicated by ~~strike through~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

Award Category: In-course

Award Name: Canadian Federation of University Women - Prince George - Beryl McMurray Award

Calendar Description/Intent: Beryl chose to make Prince George her home after emigrating from New Zealand as a young teacher. She completed her formal education as a mature student but was a life long learner interested in travel, reading, sports, gardening, her home, church and community. Beryl was a strong supporter of education, particularly for women as evidenced by her commitment to and involvement in the Canadian Federation of University Women (CFUW).

She was very involved in the local club, holding all executive positions over the years. Beryl also sat on the board of the national organization and travelled to many international conferences. She is remembered as a dedicated educator, an avid traveller and a loyal friend.

Donor: Beryl McMurray (Estate) and the Canadian Federation of University Women – Prince George (CFUW)

Value: \$1500

Number: One

Placement in which Calendar: Undergraduate

Award Type: Award

Eligibility: Available to a full time undergraduate student enrolled in the Bachelor of Education programme. First preference will be given to a female student. Second preference will be given to a resident of northern British Columbia.

Note: Should there be no qualified candidate enrolled in the Bachelor of Education programme who applies for the award, the award may be made to a student enrolled in the Bachelor of Social Work, Bachelor of Science in Nursing or Northern Medical Program.

Criteria: Academic proficiency and Demonstrated financial need

Effective Date: Endowed 2007

Recipient Selection: Senate Committee on Scholarships and Bursaries on recommendation by the UNBC Awards Office.

7.4 Steering Committee of Senate

Cozzetto

7.4.1 Joint Retreat — Board of Governors and Senate (no material)

7.4.1.1 Senate Orientation and Training (no material)

Dr. Cozzetto asked the Registrar to provide information about a proposed retreat and orientation for Senators. K. Kielly prefaced the information with the statement that the special January Board of Governors retreat had been cancelled, so the notion of a joint retreat between a proportion of Senate and the Board of Governors would be brought to the Board for discussion at their meeting in March. It had been suggested that an executive review of Senate be undertaken, and that issue to be examined include, for instance, motion forms, package size, providing advice on the Senate website, elections, and roles of Senators. Senators were asked whether they would be interested in an executive review of Senate processes, and there was general agreement to doing so. It was asked what the cost would be for such an undertaking, and the President responded that he hadn't looked into costs, as he wanted to know whether Senate had an appetite for doing this prior to proceeding. With Senate's agreement, the Chair proposed that the Steering Committee of Senate be tasked with developing this proposal, and Senators were in agreement.

Action:	C. Myers to add the issues of a joint retreat and Senate orientation and training to the next agenda of the Steering Committee of Senate.
---------	---

8.0 Question Period

As the result of an amendment to the agenda, this item was moved from agenda item 6.0.

The status of current searches was requested, and the President responded that, with regard to the search for the Provost, the committee had determined semifinalists, and were in the process of arranging interviews.

Dr. Randall responded that, with regard to the search for the Vice-Provost, Research and Graduate Programs, there had been a public presentation on the past Monday, and that the committee would either be bringing in additional candidates the following week or a recommendation would be forthcoming.

A Senator asked for discussion regarding a point that had been made earlier, specifically whether the motions that were approved in relation to the new major in Human Resource Management could be blocked from being placed on the Board of Governors agenda. Dr. Cozzetto outlined the *University Act*, indicating that it provides Senate with the authority to approve academic initiatives, while the Board approves funding, which sets up potential disagreement that would normally be resolved prior to an initiative being forwarded to the Board for consideration. He added that the Provost has the management prerogative not to fund new initiatives, including the proposed major.

A Senator suggested that his reading of the *University Act* would suggest that, if the motion was approved by Senate, the University Act provided that the motion should be brought to the Board of Governors, as Section 37 (1) (f) indicated that Senate's role was "to approve and recommend to the Board of Governors." He added that, in his assessment of the *Act*, although he didn't believe the Provost had the right to block this item from being placed on the agenda, he certainly had the authority to speak against approval of the initiative, or to suggest postponing it until the appropriate funding was in place.

A Senator indicated she would like the Senate Committee on Academic Policy and Planning (SCAPP) to review what notations are currently placed on transcripts and parchments, and whether that should be revised. It was thus suggested that the current practice be provided to Senate by the Registrar so that Senate could review this and make a recommendation, if necessary, to SCAPP.

Action:	K. Kielly to provide Senate with a report regarding current notations on transcripts and parchments.
---------	--

8.0 Other Business

8.1 Report of the Registrar (no material)

Kielly

The Registrar had nothing to report.

9.0 Information

9.1 Invitation to Senate from Senator Domsy — International Women's Day Presentation and Reception (no material)

Senator Domsy advised Senators that the Lieutenant Governor of Nova Scotia, Mayann Francis, would be on campus to celebrate International Women's Day on March 7, 2008 at 3:00 p.m. She cordially invited Senators to support the University and attend the celebration. President Cozzetto thanked Senator Domsy for the work she had done to make this event happen, and agreed that this was a wonderful opportunity for UNBC.

9.2 Response from President Cozzetto — Nomination Process for Faculty Member Positions on the Board of Governors

A written response regarding the nomination process for faculty member positions on the Board of Governors was provided for information.

10.0 S-200802.108 Adjournment

Consensus
That the Senate meeting be adjourned.
CARRIED.

The meeting ended at 5:25 p.m.