

**SENATE MEETING
PUBLIC SESSION
MINUTES**

January 21, 2009
3:30 – 5:30 PM
Room 7-172 Bentley Centre - Prince George Campus

Present:

E. Annis, J. Bankole, T. Binnema, N. Black, D. Casperson, C. Chasteauneuf, M. Dale, S. Déry, B. DeWiel, H. Donker, G. Fondahl, C. Greening, R. Hoffman, J. Holler, K. Hutchings, J. Hyndman, C. Jago, J. Jeffery, E. Jensen, G. Kerr (Secretary of Senate), D. Macknak, P. Madak, B. McGill, A. Michalos, C. Myers (Recording), G. Prkachin, M. Reid, S. Rennebohm, J. Schneider, E. Sharp, D. Tasa, M. Thomson, S. Wagner, J. Young, S. Zahir

Regrets:

C. Bock, H. Domshy, J. Li, D. Nyce, R. Robinson, T. Shaw

The meeting commenced at 3:35 p.m.

1.0 S-200901.01

Approval of the Agenda

That the Agenda for the January 21, 2009 Public Session of Senate be approved as presented.

The Chair asked Senators to consider the attachment of two motions to agenda item 5.1 (Report Regarding External Review of the Computer Science Program). A Senator responded that a motion to adopt the agenda should come first. The Chair responded that, if Senate proceeded in this manner, it would take a two-thirds majority vote to add the motions as requested.

Motion:

Hyndman / Casperson
That the agenda be adopted as presented.
CARRIED.

Motion:

McGill / Macknak
That the agenda be revised to attach motions to agenda item 5.1 (Report Regarding External Review of the Computer Science Program).

Discussion ensued with regard to this motion, particularly the process that had been undertaken. A Senator noted that since the Senate package had been received, an additional report was provided to Senators, and now it has been requested that two motions be considered. The President clarified that the motions under discussion were, in fact, included in the text of the report from the Chairs of the Senate Committee on Academic Policy and Planning (SCAPP) and the Senate Committee on Research and Graduate Studies (SCRGS). It was asked whether only the two motions were to be considered, and not

the other recommendations contained in the report. The President responded that, yes, only the two motions were to be considered.

A vote was taken and the motion was DEFEATED.

Dr. Jago indicated that the agenda item will be discussed, but that no motions will be considered at this meeting. He added that motions can be included on a subsequent Senate agenda if that is the determination of SCAPP and SCRGS.

2.0 S-200901.02

Approval of Senate Minutes

Holler / Tasa

That the Minutes of the November 12, 2008 Public Session of Senate be approved as presented.
CARRIED.

3.0 Business Arising from Previous Minutes of Senate

3.1 Breadth Requirement Discussion

A Senator asked whether there were more concrete ideas about how to proceed with implementing the breadth requirement. The Provost replied that his personal preference would be to get the implementation of the learning outcomes well underway before going back to reconsider the breadth requirement. Another Senator indicated that he was not content with breadth the way it is currently articulated, because it will be difficult to implement and it seems that the Programs are not keen on doing so. He also expressed concern about the lack of an approach toward interdisciplinarity that existed with the previous expression of the breadth requirement. He suggested this could be remedied by requiring that students take a suite of courses to ensure that they are exposed to epistemologies and methods of several disciplines. Dr. Dale replied that he expected there was much sympathy to that concern. He agreed that some of the benefits of the previous breadth requirement were lost with the gains that were obtained by adopting breadth as articulated in the Academic Visioning Initiative. Dr. Dale also noted that perhaps it would not be as much work to implement the breadth requirement as Programs expected, because much of what is required is already being done implicitly. A Senator asked whether a Program could introduce a content-based notion of breadth as part of the process of implementing the learning outcomes. The Provost responded that Programs have some autonomy, but their proposals will still need to proceed through SCAPP. He added that he would encourage Programs to submit something in that regard in their proposals if they believe that content-based breadth would fill an academic hole in their Program.

4.0 President's Report

Jago

The President reminded Senators of the joint Board of Governors and Senate workshop to be held this coming weekend, and thanked them for their strong participation rate.

Dr. Jago expressed congratulations to Dr. Deborah Poff. Dr. Poff has accepted an appointment as President of Brandon University. Dr. Jago noted that he and Dr. Poff worked closely together for years when she was Vice-President (Academic) at UNBC, and that she is an incredible talent. The President extended, on behalf of Senate, congratulations and best wishes to Dr. Poff as she takes up her new post. Senators echoed Dr. Jago's sentiments by showing applause.

5.0 Report of the Provost

Dale

5.1 Report Regarding External Review of the Computer Science Program

Dr. Dale began the discussion by indicating that he is sensitive to issues of process, and hopes he has proceeded correctly, but if not, he apologizes. He summarized the consultation that had taken place to date. As an aside, the Provost noted that the recommendations in the response to the review are not required to correspond to the recommendations made by the external reviewers. He reported that the report on the external review from the Dean of the College of Science and Management had been

provided to SCAPP and SCRGS. According to the guidelines for conducting external reviews, approval for any recommendations is not required by those committees. The committees discussed the reports and expressed concerns, but made no formal motions with regard to the reports. Some Senators requested additional information beyond what was provided in the Senate meeting package, the report of the Chairs of CASHS and CSAM. The report of the Dean was thus provided to Senate, but in a modified version as a result of concerns that had been expressed at the SCAPP and SCRGS meetings regarding issues of confidentiality. Motions based on the recommendations would be provided at the next meeting of Senate. Dr. Dale asked for the will of Senate, whether they wished to discuss this issue now without benefit of motions or defer discussion to the next meeting when motions would be available. The Chair provided advice in this regard, noting that this was not a ruling, but advice only. He suggested that the debate should be in relation to the motions, so should be postponed until the motions formed part of the agenda. That being said, Dr. Jago indicated that the Provost's report was open for discussion.

A Senator questioned how he could make a reasoned determination on the recommendations and vote on the motions without the benefit of further background documentation, particularly the report of the external reviewers. The Provost replied that part of the problem is that the report of the external reviewers contains references to individuals and is not appropriate for circulation. This information would need to be severed from the report, and he indicated he was not sure that this was the best way to proceed. A Senator replied that there are comments in the report from the external reviewers noting that they felt it was suitable to be released publicly. He added that he was frustrated with the process, and that he liked the advice of the Chair.

It was questioned whether there were any votes at SCAPP and SCRGS, and the Provost responded that there were no motions to be voted on. When asked why not, Dr. Dale replied that the guidelines do not require that approval be obtained from SCAPP and SCRGS. Thus, as there was no requirement for motions to be tabled, Dr. Dale noted that it would be expected that motions would only result if they came from the floor if people felt strongly one way or another about the report. Dr. Fondahl noted that she had the same understanding as Dr. Dale with regard to the process. A Senator reported that the guidelines suggest that the report should come from SCAPP and SCRGS, not the Chairs of the committees. He read a portion of the minutes of the SCAPP meeting at which the external review was discussed, which indicated that a member of SCAPP had suggested that what was to be synthesized in the report to Senate were recommendations from SCAPP and SCRGS, none of which had been made. The Senator added that, although he was not a member of SCAPP, he had read the SCAPP minutes, and felt that the discussion at Senate would be better informed if Senators were at least provided with the minutes of that meeting. Another Senator added that she had heard that someone had attempted to make a motion at SCRGS and was discouraged from doing so at that time, and that she would like to see SCAPP and SCRGS be directed to vote on this matter.

The President thanked Senators for their comments, noting that this was a new situation that hadn't been dealt with before, and that the Provost was clear on the point that he was seeking advice. Dr. Jago remarked that the process of program reviews from a number of years back had been adopted, and that it was still an important process today. He expressed that this is a rare privilege, and that UNBC is a self-accrediting university, which carries a great deal of autonomy. In Ontario for instance, revisions to academic programs require adherence to a very stringent review process. For these reasons, Dr. Jago opined, it is fundamental that when a critical review of a Program is received, it is properly addressed. He felt that the comments suggesting that further information was required were fair points, but emphasized the need to address reviews, particularly when they are of a highly critical nature. Dr. Jago added that it was the responsibility of Senate to insist on the highest quality academic programs, and that he wanted Senators to understand the importance of this issue coming to Senate.

A Senator asked what would happen now, given the importance of this issue. The Chair replied that this is a matter for the Provost to consider, and that a number of points had been made that were worthy of further consideration.

6.0 Question Period

No questions were posed.

7.0 Committee Reports

7.1 Senate Committee on Academic Policy and Planning

Dale

It was suggested that motions S-200901.03 and S-200901.04 be dealt with as an omnibus motion, and in the absence of opposition, Senate proceeded in this manner.

S-200901.03

Approval of Student Exchange Agreement Between Hebei University, China and the University of Northern British Columbia

Hyndman / Prkachin

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the student exchange agreement between Hebei University, China and the University of Northern British Columbia be approved as proposed.

Effective date: January 2009

CARRIED.

A Senator asked what constitutes a partnering body and if there was a quality assurance process. Ms. Russell, Director of Student Success, responded that there was a rigorous policy framework in place to determine partnerships, which she would be willing to provide to the Senator who asked the question.

S-200901.04

Approval of Student Exchange Agreement Between Francis Marion University, United States of America and the University of Northern British Columbia

Hyndman / Prkachin

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the student exchange agreement between Francis Marion University, United States of America and the University of Northern British Columbia be approved as proposed.

Effective date: May 2009

CARRIED.

S-200901.05

New Course Approval — ANTH 230-3

Zahir / Donker

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the new course ANTH 230-3 Introduction to Forensic Anthropology 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]):

Calendar Course Description: This course examines the contribution of anthropology to the recovery, identification and interpretation of recent human skeletal remains. Topics covered include forensic archaeology, methods of biological and personal identification, trauma and taphonomy, crime scene analysis, the anthropologist as expert witness, war crimes and mass graves.

It was suggested that motions S-200901.06 to S-200901.12 be dealt with as an omnibus motion, and in the absence of opposition, Senate proceeded in this manner.

S-200901.06

Change to Program Requirements — Biology Major

Hyndman / McGill

That, on the recommendation of the Senate Committee on Academic Policy and Planning, BIOL 303-3 (Plant Physiology) and BIOL 305-3 (Plant Morphology and Anatomy) be replaced with BIOL 304-3 (Plants, Society and the Environment) as an Upper Division Requirement for the Biology Major.

Effective date: 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]):

Upper Division Requirement

300 Level

BIOL 311-3 Cell and Molecular Biology
BIOL 323-3 Evolutionary Biology
BIOL 325-3 Ecological Analyses

One of:

~~BIOL 303-3 Plant Physiology~~
BIOL 304-3 Plants, Society and the Environment
BIOL 321-3 Animal Physiology

Two of:

BIOL 301-3 Systematic Botany
~~BIOL 305-3 Plant Morphology and Anatomy~~
BIOL 307-3 Ichthyology and Herpetology
BIOL 308-3 Ornithology and Mammalogy

S-200901.07

Change to Program Requirements — Biology Minor

Hyndman / McGill

That, on the recommendation of the Senate Committee on Academic Policy and Planning, BIOL 303-3 (Plant Physiology) and BIOL 305-3 (Plant Morphology and Anatomy) be replaced with BIOL 304-3 (Plants, Society and the Environment) as an Upper Division Requirement for the Biology Minor.

Effective date: 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]):

Proposed new entry (Minor in Biology)

Requirements

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

One of:

BIOL 201-3 Ecology
BIOL 210-3 Genetics

One of:

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

One of:

BIOL 301-3 Systematic Botany
~~BIOL 305-3 Plant Morphology and Anatomy~~
BIOL 307-3 Ichthyology and Herpetology
BIOL 308-3 Ornithology and Mammalogy

One of:

~~BIOL 303-3 Plant Physiology~~

BIOL 304-3 Plants, Society and the Environment

BIOL 311-3 Cell and Molecular Biology

BIOL 321-3 Animal Physiology

Six additional credit hours in Biology at the 400 level.

S-200901.08

Course Deletion — BIOL 303-3

Hyndman / McGill

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the course BIOL 303-3 Plant Physiology be deleted and removed from the calendar.

Effective date: September 2009

CARRIED.

S-200901.09

Course Deletion — BIOL 305-3

Hyndman / McGill

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the course BIOL 305-3 Plant Morphology and Anatomy be deleted and removed from the calendar.

Effective date: September 2009

CARRIED.

S-200901.10

Course Deletion — BIOL 401-3

Hyndman / McGill

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the course BIOL 401-3 Plant-Microbial Interactions be deleted and removed from the Calendar.

Effective date: September 2009

CARRIED.

S-200901.11

New Course Approval — BIOL 304-3

Hyndman / McGill

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the new course BIOL 304-3 Plants, Society and the Environment 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]):

Calendar Course Description: This course explores the interactions between plants and humans, and how plants and their essential services are altered by human activities and the environment. Lectures and labs permit student-driven exploration of how plants, society and the environment are integrated. Students will investigate the underlying mechanisms of plant function and adaptation to address ~~present day~~ present-day environmental issues such as rising greenhouse gas concentrations, disturbance events, and biological invasions.

Prerequisites: BIOL 204 or by permission of the instructor.

S-200901.12

New Course Approval — BIOL 318-3

Hyndman / McGill

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the new course BIOL 318-3 Fungi and Lichens 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 ~~strikethrough~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

Calendar Course Description: This course uses lectures, field and laboratory exercises to introduce students to the diversity of the Fungal Kingdom, including lichenized fungi. Students learn to recognize fungal and lichen structures and identify taxa. Emphasis is placed upon fungi and lichens in their natural environments, their ecology and physiology, and their importance to ecosystem function. Field trips and labs teach students to collect, isolate and identify fungi and lichens.

Prerequisites: BIOL 101-4 and 102-4

An Executive Summary of proposed changes to the Bachelor of Commerce Marketing Major curriculum was included for information.

It was suggested that motions S-200901.13 to S-200901.15 be dealt with as an omnibus motion, and in the absence of opposition, Senate proceeded in this manner.

S-200901.13

Change to Program Requirements — Major in Marketing

McGill / Hartley

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

Effective date: September 2009

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 Marketing

Marketing refers to the set of activities needed to find, build, and serve markets for products and services. Students of marketing 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 which includes the Common Requirements for all business students as well as the required courses in the major.

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 320-3	Financial Management II
COMM 330-3	Human Resource Management
COMM 343-3	Behavioural Marketing
COMM 350-3	Production and Operations Management
COMM 351-3	Management Information Systems

COMM 400-3	Strategic Management
COMM 442-3	Marketing Strategy
COMM 443-3	Marketing Research
ECON 310-3	Intermediate Microeconomic Theory
ECON 311-3	Intermediate Macroeconomic Theory

Two of:

COMM 340-3	Marketing Communications
COMM 341-3	Sales Management
COMM 342-3	Services Marketing
COMM 344-3	Marketing Channels
COMM 345-3	Retail Management
COMM 346-3	<u>Internet Marketing</u>
COMM 347-3	<u>Marketing Channels and Retail Management</u>
COMM 441-3	International Marketing
COMM 449-3	Advanced Topics in Marketing

Elective Requirement

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

S-200901.14

Course Deletion — COMM 345-3

McGill / Hartley

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the course COMM 345-3 Retail Management be deleted and removed from the Calendar.

Effective date: September 2009

CARRIED.

S-200901.15

New Course Approval — COMM 347-3

McGill / Hartley

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the new course COMM 347-3 Marketing Channels and Retail Management 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 ~~strikethrough~~, new text indicated by underline, and [commentary, where included, in Courier New font within square brackets]):

This course provides insights into marketing distribution systems, retailing and wholesaling as well as relevant legislation. Further, this course emphasizes the structure of retailing in ~~Canada~~Canada, and the retail management of location, layout, inventory, personnel, sales, promotion, financial control and pricing procedures.

Prerequisites: COMM 240-3

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

S-200901.16

Change to Calendar Description — Geography Degrees and Geography BA Major

Holler / Hyndman

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the changes to the calendar introduction to Geography degrees and the Geography BA major be approved as proposed.

Effective date: September 2009

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 Geography program offers both a Bachelor of Science and a Bachelor of Arts in Geography. The programs place strong emphasis on the geography of the North, the Pacific Northwest, and the importance of contemporary geographic technologies. The Bachelor of Science program emphasizes physical geography (geomorphology and watershed processes) while the Bachelor of Arts provides exposure to a range of courses in human geography.~~

~~Students entering a Geography program should be comfortable with the use of a computer for word processing. Introductory computer courses are available at UNBC.~~ Geography is an interdisciplinary bridge between the human and physical sciences, studying human - environment interactions. The Geography program offers both a Bachelor of Science and a Bachelor of Arts. The BSc in physical geography examines the natural environment and the interaction of climate, soils, vegetation and landforms, while the BA in human geography focuses on cultural, social, economic and rural environments. Degrees emphasise the geography of the North and contemporary geographic technologies.

Geography Program (BA)

Major in Geography

~~The Bachelor of Arts emphasizes human and cultural geography. Strong emphasis is placed on the geography of the North in general and of the Pacific Northwest in particular.~~ provides students with comprehensive training in the study of human geography, emphasizing the cultural, social, economic, and political connections between people and their environments. We offer courses that give students the conceptual and methodological means to make sense of the places and spaces they occupy, and how these relate to the rest of the world. Particular emphasis is on issues of community development, social justice, environmental equity, and population health in northern environments as a starting point for understanding the dynamics of place-making in a global context.

~~Undergraduate students are required to take 19 Geography courses (57 credit hours). Of these, 30 credit hours must be upper division. Elective credit hours must be taken to ensure completion of 120 credit hours, and must include at least 21 elective credit hours at the 300 or 400 level, in any subject.~~

~~Undergraduate students are required to take 19 Geography courses (57 credit hours) of Geography courses, of which Of these, 30 credit hours must be upper division. To meet the overall minimum degree requirement of Elective credit hours must be taken to ensure completion of 120 total credit hours, students are also required to take elective courses, including a minimum of and must include at least 21 elective credit hours at the 300 or 400 upper-division level, in any subject.~~

The minimum requirement for the completion of a Bachelor of Arts with a major in Geography is 120 credit hours.

S-200901.17

Change to Degree Requirements — Geography Program (BSc)

McGill / Reid

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the changes to the Geography Program (BSc) be approved as proposed.

Effective date: September 2009

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]):

Geography Program (BSc)

Major in Geography

This degree focuses on geography as an earth science, with introductions to biology, chemistry, mathematics and physics, followed by upper-level courses in climatology, hydrology, geomorphology, soils and weathering, and geomatics. This combination enables the understanding of the interactions between the atmosphere, lithosphere, hydrosphere and biosphere, aided by the use of statistical techniques, mapping, remote sensing and geographic information systems. Courses will develop applied field and technical skills for associated career paths.

Undergraduate students are required to take a minimum of 43 ~~11~~ Geography courses (~~39~~ 31 credit hours). Of these courses, a minimum of five ~~nine~~ must be upper division. Students are required to take a minimum of 24 ~~24~~ credit hours of Elective Science Courses, of which 15 credit hours must be upper division ~~(300 and 400 level)~~ in order to successfully complete degree requirements. Additional electives~~,~~ are required to ensure the completion of a minimum of ~~425~~ 120 credit hours.

The minimum requirement for completion of a Bachelor of Science with a major in Geography is ~~425~~ 120 credit hours.

Program Requirements

Lower Division Requirement

100 Level

BIOL 101-4 Introductory Biology I

or BIOL 110-3 Introductory Ecology

~~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

GEOG 101-3 Human Geography

or GEOG 202-3 Economic Geography

~~MATH 152-3 Calculus for Non-majors~~ MATH 100-3 Calculus I

MATH 101-3 Calculus II

PHYS 100-4 Introduction to Physics I

or PHYS 110-4 Introductory Physics I: Mechanics
GEOG 100-3 Environments and People; The Geography of Natural Hazards
GEOG 111-1 Theory and Practice of Physical Geography

200 Level

~~BIOL 201-3 Ecology~~
ENSC 201-3 ~~Introduction to Atmospheric Science~~ Weather and Climate
FSTY 205-3 Introduction to Soil Science
GEOG 200-3 Geography of BC
GEOG 205-3 Cartography and Geomatics
GEOG 210-3 Geomorphology
MATH 240-3 Basic Statistics

Upper Division Requirement

300 Level

GEOG 300-3 Geographic Information Systems
GEOG 310-3 Hydrology or NREM 410-3 Watershed Management
GEOG 311-3 ~~Concepts in Geomorphology~~ Drainage Basin Geomorphology
~~MATH 342-3 Biostatistics~~
GEOG 312-3 Geomorphology of Cold Regions

Two of:

ENSC 312-3 Boundary-layer Meteorology
~~BIOL 301-3 Systematic Botany~~
FSTY 425-3 Soil Formation and Classification or FSTY 315-3 Forest Soil Management
GEOG 432-3 Remote Sensing
GEOG 333-3 Geography Field Camp
GEOG 320-3 Sedimentology

One of:

GEOG 301-3 Cultural Geography
~~GEOG 302-3 Geography of Russia~~
~~GEOG 303-3 Recreational Geography~~
~~GEOG 305-3 Political Geography~~
GEOG 306-3 Geography of International Development

400 Level

GEOG 402-3 Geography of the Circumpolar North
~~or GEOG 403-3 Aboriginal Geography~~
~~NREM 411-3 Environmental and Professional Ethics~~

~~Four~~ Three of:

GEOG 405-3 Fluvial Geomorphology

GEOG 411-3 ~~Advanced Elements in Geomorphology~~ Quaternary and Surficial

Geology

~~GEOG 412-3 Geomorphology of Cold Regions~~

GEOG 413-3 Advanced GIS

GEOG 414-3 Weathering Processes

~~GEOG 432-3 Remote Sensing~~

GEOG 457-3 Advanced Remote Sensing

ENSC 425-3 Global Change Science

Elective Requirement

Science Electives

~~Six~~ Nine credit hours of Science electives at any level and
~~Fifteen~~ credit hours of Science electives at the 300 or 400 level

Elective Science Courses

Anthropology

ANTH 100-3 Archaeological and Biological Approaches

ANTH 200-3 Biological Anthropology

ANTH 205-3 Introduction to Archaeology

ANTH 220-3 Introduction to Primatology

ANTH 301-3 Archaeological Lab Methods

ANTH 311-3 Nutritional Anthropology

ANTH 312-3 Human Adaptability

ANTH 320-3 Biology of Circumpolar Peoples

ANTH 420-3 Races, Racism and Human Biology

Biology:

All courses allowed, ~~except BIOL 350-3 Ethnobotany~~

Chemistry:

All courses allowed

Computer Science:

All courses allowed

Environmental Planning

ENPL 305 Environmental Impact Assessment

ENPL 402 Terrain Assessment

Environmental ~~Studies~~ Science:

The following courses are allowed:

~~ENPL 402-3 Terrain Assessment~~

ENSC 202-3 Aquatic Systems- Introduction to Aquatic Systems

ENSC 308-3 Northern Contaminated Environments

ENSC 312-3 Boundary-layer Meteorology

ENSC 350-3 Fluid Mechanics

ENSC 404 Waste Management

ENSC 406-3 Environmental Modelling

ENSC 408-3 Storms

ENSC 412-3 Air Pollution

ENSC 418-3 Environmental Measurement and Analysis

ENSC 425-3 Global Change Science

ENSC 450-3 Geophysical Data Analysis

ENSC 451-3 Groundwater Hydrology

ENSC 452-3 Reclamation and Remediation of Disturbed Environments

ENSC 453-3 Environmental Resource Management and Decision Making

ENSC 454-3 Snow and Ice

Forestry:

All courses allowed

Geography:

The following courses are allowed:

~~GEOG 210-3 Geomorphology~~

~~GEOG 300-3 Geographic Information Systems~~

~~GEOG 310-3 Hydrology~~

~~GEOG 311-3 Concepts in Geomorphology~~

~~GEOG 412-3 312-3 Geomorphology of Cold Regions~~

GEOG 333-3 Geography Field Camp

GEOG 320-3 Sedimentology

GEOG 405-3 Fluvial Geomorphology

GEOG 411-3 ~~Advanced Elements in Geomorphology~~ Quaternary Surficial Geology

GEOG 413-3 Advanced GIS

GEOG 414-3 Weathering Processes

GEOG 432-3 Remote Sensing

GEOG 457-3 Advanced Remote Sensing

Math:

All courses allowed

Natural Resources Management:

The following courses are allowed:

NREM 100-3 Field Skills

NREM 101-3 Introduction to Natural Resources Management and Conservation

NREM 203-3 Resource Inventories and Measurement
NREM 204-3 Introduction to Wildlife and Fisheries
NREM 210-3 Integrated Resource Management
NREM 333-3 Field Applications in Resource Management

Physics:

All courses allowed

General Electives

Electives at any level in any subject sufficient ~~credit hours as necessary~~ to ensure completion of a minimum of ~~125~~ 120 credit hours.

S-200901.18

Change to Program Requirements and Calendar Description — BSc Geography Minor in Geomorphology

Schneider / Hyndman

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the changes to the BSc Geography Minor in Geomorphology calendar description and course requirements be approved as proposed.

Effective date: September 2009

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 Geomorphology

~~The aim of the minor is to show a level of competence in a theme, field or program direction that a student feels would be beneficial to her/his career and which would be ancillary to the major. A minor in Geomorphology is appropriate for students who wish to obtain a level of competence in the history of Earth's landscapes, surface processes and environmental change.~~

The minors consists of key courses offered are those where there is a group of courses which, when taken together, provide a degree of proficiency in a that field that is actively sought after by environmental consulting firms and government agencies. By designating this group of courses as a minor the student is able to demonstrate a level of proficiency in that field.

~~This minor is appropriate to those who wish to attain a degree of specialization in geomorphology.~~

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 a minor in Geomorphology. The minimum requirement for the completion of the minor in Geomorphology is 18 credit hours.

Requirements

GEOG 210-3 Geomorphology

GEOG 311-3 ~~Concepts in Geomorphology~~ Drainage Basin Geomorphology

Four of:

GEOG 310-3 Hydrology

GEOG 405-3 Fluvial Geomorphology

GEOG 411-3 ~~Advanced Elements in Geomorphology~~ Quaternary and Surficial Geology
GEOG ~~312-3412-3~~ Geomorphology of Cold Regions
GEOG 300-3 Geographic Information Systems
or GEOG 413-3 Advanced GIS
or GEOG 432-3 Remote Sensing
GEOG 414-3 Weathering Processes
FSTY 205-3 Introduction to Soil Science
or FSTY 425-3 Soil Formation and Classification

S-200901.19

Change to Program Requirements and Calendar Description — BSc Geography Minor in Physical Geography

Hyndman / Jensen

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the change(s) to the BSc Geography Minor in Physical Geography calendar description and course requirements be approved as proposed.

Effective date: September 2009

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 Physical Geography

~~The aim of the minor is to show a level of competence in a theme, field or program direction that a student feels would be beneficial to her/his career and which would be ancillary to the major. A minor in Physical Geography is appropriate for students who seek a broad-based exposure to earth and environmental sciences. Prospective teachers, human geographers, and government agency and environmental consulting employees will find the study of Earth's processes and the natural environment beneficial to their future careers. The minors offered are those where there is a~~ consists of a group of courses which, when taken together, provide a degree of proficiency in that field Physical Geography.

~~This minor may be appropriate for someone who needs a broader background than in the geomorphology minor, such as for prospective teachers.~~

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 a minor in Physical Geography. The minimum requirement for the completion of the minor in Physical Geography is 18 credit hours.

Requirements:

GEOG 210-3 Geomorphology

FSTY 205-3 Introduction to Soil Science

ENSC 201-3 ~~Introduction to Atmospheric Science~~ Weather and Climate

Three of*:

ENSC 312-3 Boundary-layer Meteorology

or ENSC 408-3 Storms

GEOG 310-3 Hydrology

or GEOG 405-3 Fluvial Geomorphology
GEOG 311-3 ~~Concepts in Geomorphology~~ Drainage Basin Geomorphology
GEOG 411-3 ~~Advanced Elements in Geomorphology~~ Quaternary and Surficial Geology
GEOG ~~312-3412-3~~ Geomorphology of Cold Regions
GEOG 300-3 Geographic Information Systems
or GEOG 413-3 Advanced GIS
or GEOG 432-3 Remote Sensing
GEOG 414-3 Weathering Processes

It was suggested that motions S-200901.20 and S-200901.21 be dealt with as an omnibus motion, and in the absence of opposition, Senate proceeded in this manner.

S-200901.20

New Course Approval — GEOG 111-1

McGill / Hyndman

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the new course GEOG 111-1 Theory and Practice of Physical Geography 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]):

Calendar Course Description: This course introduces physical geography students to the theory and practice of physical geography, particularly in BC, through seminars and invited presentations involving professional practitioners in the region and province. A weekend field trip is required. This course is intended for students who want to major in Physical Geography.

Prerequisites: permission of Program Chair

S-200901.21

New Course Approval — GEOG 320-3

McGill / Hyndman

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the new course GEOG 320-3 Sedimentology be approved as proposed.

Proposed semester of first offering: January 2011

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: This course considers processes that deposit sediments in Earth's diverse environments that include lakes, rivers, and oceans. At the end of the course students will be able to reconstruct environmental conditions that led to formation of stratified earth materials. Principles of lithostratigraphy, biostratigraphy, chronostratigraphy, sequence stratigraphy, and the facies concept are key topics of the course.

Prerequisites: GEOG 210-3

An Executive Summary of proposed changes to Health Sciences Programs curricula was included for information.

It was suggested that motions S-200901.22 and S-200901.23 be dealt with as an omnibus motion, and in the absence of opposition, Senate proceeded in this manner.

S-200901.22

Change to Degree Requirements — Bachelor of Health Sciences (MATH 242-3)

Reid / Hutchings

That, on the recommendation of the Senate Committee on Academic Policy and Planning, degree requirements for Bachelor of Health Sciences be changed from MATH 242-3 Statistics for Social and Health Sciences to MATH 240-3 Basic Statistics.

Effective date: September 2009

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]):

2nd year-15 credits

HHSC 111-3 Anatomy and Physiology I

HHSC 112-3 Anatomy and Physiology II

HHSC 201-3 Ethics and Law in Health Care

HHSC 311-3 Nutrition

~~MATH 242-3 Statistics for Social and Health Sciences~~

MATH 240-3 Basic Statistics

or ECON 205-3 Statistics for the Social and Management Sciences

S-200901.23

Change to Degree Requirements — Bachelor of Health Sciences (NURS 402-3)

Reid / Hutchings

That, on the recommendation of the Senate Committee on Academic Policy and Planning, degree requirements for Bachelor of Health Sciences be changed from NURS 402-3 Health Promotion to HHSC 473-3 Health Promotion.

Effective date: September 2009

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]):

4th year-6 credits

HHSC 421-3 Medical Geography

~~NURS 402-3 Health Promotion~~

HHSC 473-3 Health Promotion

An Executive Summary of proposed changes to the Rural Acute Care Nursing Certificate curriculum was included for information.

S-200901.24

Change to Title and Preamble — Rural Acute Care Nursing Certificate

Hyndman / Zahir

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the changes to the title and preamble for the Rural Acute Care Nursing Certificate be approved as proposed.

Effective date: September 2009

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]):

Rural Acute-Care Nursing Certificate Program

The Rural Acute-Care Nursing Certificate Program provides the opportunity for Registered Nurses to pursue a concentrated program of courses in Rural Acute-Care Nursing. The Certificate ~~will provides~~ students with some of the essential knowledge and clinical skills needed to provide nursing care in rural ~~community hospitals~~ practice.

The Certificate ~~p~~Program has been developed as an academic program that is practice-driven, and is supported by health authorities across British Columbia. It is based upon the principles of primary health care, and an orientation to the needs of nurses working in acute-care facilities in rural and remote communities.

S-200901.25

Change to Degree Requirements — BSc in Natural Resources Management (Inclusion of the Minor in Indigenous Ecological Knowledge in the List of Eligible Minors)

Hyndman / McGill

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the BSc in Natural Resources Management (Forest Ecology and Management major) include the minor in Indigenous Ecological Knowledge within the list of eligible minors necessary for completing the degree requirements, and that the Calendar be amended to reflect this addition.

Effective date: May 2009

CARRIED.

A Senator asked whether this motion had been forwarded to the Senate Committee on First Nations and Aboriginal Peoples, and Senator Macknak responded that it had.

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 Forest Ecology and Management

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 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
COMM 100-3	Introduction to Canadian Business
ECON 100-3	Microeconomics

MATH 152-3	Calculus for Non-majors
NREM 100-3*	Field Skills
NREM 101-3	Introduction to Natural Resources Management and Conservation
NRES 100-3	Communications in Natural Resources and Environmental Studies

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

200 Level

BIOL 201-3	Ecology
COMM 230-3	Organizational Behaviour
ENSC 201-3	Introduction to Atmospheric Science
FSTY 201-3	Forest Plant Systems
FSTY 205-3	Introduction to Soil Science
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

Upper Division Requirement

300 Level

FSTY 305-4	Silviculture I
FSTY 307-3	Disturbance Ecology and Forest Health
FSTY 317-1	Forest Disturbance Agents
FSTY 310-3	Forest Economics
or NREM 306-3	Society, Policy and Administration
NREM 303-3	First Nations' Approaches to Resource Management
NREM 333-3	Field Applications in Resource Management

400 Level

FSTY 408-3	Forest Practices and Management
NREM 400-4	Natural Resources Planning
NREM 411-3	Environmental and Professional Ethics
NRES 421-1	Professional Writing
and NRES 422-2	Undergraduate Report
or NRES 430-6	Undergraduate Thesis

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 Sciences
- Environmental Planning
- Environmental Science
- Environmental Studies
- Forest Recreation
- General Business
- Geographic Information Systems (GIS)
- Global Environmental Change
- Indigenous Ecological Knowledge
- Natural Resources Planning and Operations
- Social Dimensions of Natural Resources 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.

It was suggested that motions S-200901.26 and S-200901.27 be dealt with as an omnibus motion, and in the absence of opposition, Senate proceeded in this manner.

S-200901.26

Change to Program Requirements and Calendar Description — Joint Major in Chemistry / Physics McGill / Jensen

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

Effective date: May 2009

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 Chemistry/Physics

The minimum requirement for completion of a Bachelor of Science with a Joint Major in Chemistry and Physics is 126 credit hours.

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

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	Calculus I
or MATH 105-3	Enriched Calculus
MATH 101-3	Calculus II
MATH 200-3	Calculus III
MATH 220-3	Linear Algebra
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
PHYS 200-3	Thermal Physics
PHYS 202-4	Electromagnetism and Optics
PHYS 205-3	Modern Physics I

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
CHEM 315-3	Physical Chemistry Lab

Six credit hours of 300 or 400 level Chemistry

Six credit hours of 400 level Chemistry

One of:

- ~~MATH 333-3~~ - ~~Partial Differential Equations~~
- ~~MATH 334-3~~ - ~~Ordinary Differential Equations~~

MATH 336-3 - Intermediate Differential Equations

PHYS 300-3	Classical Mechanics
PHYS 302-3	Quantum Mechanics I
PHYS 390-3	- Advanced Physics Laboratory
PHYS 404-3	Solid State Physics
<u>PHYS 351-3</u>	<u>Optics and Photonics I</u>

Three credit hours of 300 or 400 level Physics

Six credit hours of 400 level Physics

Elective Requirement

Elective credit hours as necessary to ensure completion of a minimum of 126 credit hours.

S-200901.27

Change to Program Requirements and Calendar Description — Joint Major in Computer Science / Physics

McGill / Jensen

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

Effective date: May 2009

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/Physics

The minimum requirement for completion of a Bachelor of Science with a Joint Major in Computer Science and Physics is 127 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.

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
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 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 220-3	Linear Algebra
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
PHYS 200-3	Thermal Physics
PHYS 202-4	Electromagnetism and Optics
PHYS 205-3	Modern Physics I

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 333-3	- Partial Differential Equations
—or MATH 334-3	- Ordinary Differential Equations
<u>MATH 336-3</u>	<u>Intermediate Differential Equations</u>
MATH 335-3	Numerical Analysis I
MATH 340-3	- Introduction to Probability
<u>MATH 371-3</u>	<u>Probability and Statistics for Scientists and Engineers</u>
PHYS 300-3	Classical Mechanics
PHYS 302-3	Quantum Mechanics I
PHYS 305-4	Electronics [which must be taken before CPSC 231-4 (Computer Organization and Architecture)]
PHYS 390-3	- Advanced Physics Laboratory
<u>PHYS 404-3</u>	<u>Solid State Physics</u>

*Three credit hours of 300 or 400 level Physics.

Six credit hours of 400 level Physics (excluding seminar, project, and special topics courses).

*Three of these nine credit hours must be at the 400 level so that a minimum of 15 credit hours of 400 level Computer Science and Physics are completed.

Elective Requirement

Elective credit hours as necessary to ensure completion of a minimum of 127 credit hours.

To Senate for Information:

SCAPP200812.34

Change to Course Title and Calendar Course Description — GEOG 100-3

That the changes to the course title and calendar course description for GEOG 100-3 Environments and People be approved as proposed.

Effective date: September 2009

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]):

GEOG 100-3 Environments and People: The Geography of Natural Hazards

This course is intended to introduce students to the Earth's physical processes that are hazardous to people. Students will be able to identify which regions of the world are at greatest risk for a given hazard and how humans can mitigate the loss of life and property. ~~an interdisciplinary understanding of earth and environmental processes and the results of human intervention in these processes. This includes the changing relationship of humans with the natural world and different approaches to understanding and solving environmental problems, local to global. It investigates such issues as human populations, loss of biodiversity, air and water pollution, energy use, climate change and ozone depletion.~~

SCAPP200812.35

Change to Course Title, Calendar Course Description, Prerequisites, and Preclusions — GEOG 310-3

That the changes to the course title, calendar course description, prerequisites and preclusions for GEOG 310-3 Hydrology be approved as proposed.

Effective date: September 2009

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]):

GEOG 310-3 Hydrology. This course is an introduction to physical hydrology.

It examines ~~and will include~~ the components of the hydrological cycle, ~~an~~ and investigates investigation of the processes of water movement and storage, ~~and an introduction to drainage basin form and process in the environment.~~

Prerequisites: ENSC 201-3 and MATH 240-3, or permission of instructor

Precluded: NREM 410-3

SCAPP200812.36

Change to Course Title, Calendar Course Description and Prerequisites — GEOG 311-3

That the changes to the course title, calendar course description and prerequisites for GEOG 311-3 Concepts in Geomorphology be approved as proposed.

Effective date: September 2009

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]):

GEOG 311-3 Concepts in Geomorphology Drainage Basin Geomorphology.

~~This course surveys process geomorphology, including: weathering, fluvial, glacial, periglacial, and near-shore marine processes. Emphasis will be on geomorphologic processes associated with Canadian landforms. Field trips may be required.~~ This course focuses on hillslope and fluvial processes in drainage basins. Laboratory exercises introduce quantitative methods to understand patterns of sediment production, movement, and storage in mountain watersheds.

Prerequisites: GEOG 210-3 and, PHYS 100-4, and MATH-240-3, or permission of instructor

SCAPP200812.37

Change to Course Prerequisite — GEOG 405-3

That the change to the prerequisites for GEOG 405-3 Fluvial Geomorphology be approved as proposed.
Effective date: September 2009

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]):

GEOG 405-3 Fluvial Geomorphology This course investigates river channel morphometry and landforms developed by running water; and focuses on the physical processes and techniques of measurement. Weekend field trips are required.

Prerequisites: GEOG 311-3 or permission of instructor

SCAPP200812.38

Change to Course Title, Calendar Course Description and Prerequisites — GEOG 411-3

That the changes to the course title, calendar course description and prerequisites for GEOG 411-3 Advanced Elements in Geomorphology be approved as proposed.
Effective date: September 2009

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]):

GEOG 411-3 ~~Advanced Elements in Geomorphology.~~ Quaternary and Surficial Geology
This course ~~emphasizes Quaternary geomorphology~~ examines geomorphic processes and environmental change in BC during the last two million years of Earth's history.
~~Advanced topics vary from year to year and include examples from the North and BC.~~
Prerequisites: ~~GEOG-210-3, 311-3,~~ or permission of instructor.

SCAPP200812.39

Change to Course Number — GEOG 412-3

That the change to the course number for GEOG 412-3 Geomorphology of Cold Regions be approved as proposed.
Effective date: September 2009

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]):

~~GEOG 412-3~~ 312-3 Geomorphology of Cold Regions

This course provides a detailed ~~look at~~ examination of the processes and landforms of cold regions.

Prerequisites: GEOG 210-3 or permission of the instructor

SCAPP200812.40

Change to Course Prerequisite — GEOG 414-3

That the change to the prerequisites for GEOG 414-3 Weathering Processes be approved as proposed.
Effective date: September 2009

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]):

GEOG 414-3 Weathering Processes This course provides a~~A~~ detailed investigation of weathering processes and their applied aspects.

Prerequisites: ~~GEOG 311-3~~ GEOG 312-3 or permission of instructor

SCAPP200812.08

Major Restriction Change — NURS 451-3

That the changes to the Major Restriction for NURS 451-3 Health Assessment Across the Lifespan be approved as proposed.
Effective date: September 2009

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 451-3 Health Assessment Across the Lifespan This course provides students with the knowledge and skills needed to extend their ability to conduct a thorough health assessment for diverse client populations throughout the lifespan. Students conduct age-appropriate comprehensive health histories and physical examinations, identify health concerns and risks, taking into account culture, ethnicity and health beliefs, and make informed clinical judgments. This course includes an extended skills-building workshop. This course is restricted to registered nurses.

Major Restriction: Restricted to the Rural ~~Acute Care~~ Nursing Certificate Program or Post-Diploma BScN students only, or by permission of the Chair, School of Nursing.

SCAPP200812.09

Calendar Course Description Change — NURS 452-6

That the changes to the calendar course description for NURS 452-6 Chronic Disease Management, Palliative Care and Wound Care be approved as proposed.
Effective date: September 2009

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 452-6 Chronic Disease Management, Palliative Care and Wound Care

This course has three components: The Chronic Disease Management component utilizes current, evidence-based knowledge, skills and management tools to provide effective ~~patient-client~~ centred care for ~~clients~~ those with chronic health challenges in rural practice. The Palliative Care section enables ~~the~~ learners to extend their knowledge surrounding palliative care guidelines and ~~concludes with~~ discusses grief and bereavement issues. ~~In~~ The Wound Care component, ~~students learn how to provide~~ examines evidence-based and cost-effective wound care for people residing in rural settings. This course is restricted to registered nurses.

Major Restriction: Restricted to the Rural ~~Acute Care~~ Nursing Certificate Program or Post-Diploma BScN students only, or by permission of the Chair, School of Nursing.

SCAPP200812.10

Calendar Course Description Change — NURS 453-3

That the changes to the calendar course description for NURS 453-3 Nursing Practice with Older Persons be approved as proposed.

Effective date: September 2009

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 453-3 Nursing Practice with Older Persons This course focuses on health-promoting, person-centred practice for nurses working with older persons in rural ~~acute care~~ communities. Assessment focuses on the physical and mental health of older persons within the context of their everyday experience and their families and/or cultures. Particular attention is paid to the strengths of the individual as well as the presenting health challenges. Nurses explore strategies to prevent and/or address common health issues experienced by older persons. This course is restricted to registered nurses.

Major Restriction: Restricted to the Rural ~~Acute Care~~ Nursing Certificate Program or Post-Diploma BScN students only, or by permission of the Chair, School of Nursing.

SCAPP200812.11

Calendar Course Description Change — NURS 454-6

That the changes to the calendar course description for NURS 454-6 Perinatal Care be approved as proposed.

Effective date: September 2009

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 454-6 Perinatal Care This course spans the antenatal, intrapartum and post-partum continuum ~~with particular~~ focusing on the perinatal skills and competencies required for nurses to support women and their families ~~through as they experience~~ low-risk, normal pregnancies. Students learn to recognize and take action in abnormal situations ~~beyond the bounds of normal~~ and make sound, informed clinical judgments in emergency situations in rural settings. This course involves an ~~extended~~ workshop and practicum. Prior to the practicum, students must provide proof of certification in the Neonatal Resuscitation Program (NRP) and the Fetal Health Surveillance course (FHS). This course is restricted to registered nurses.

Major Restriction: Restricted to the Rural ~~Acute Care~~ Nursing Certificate Program or Post-Diploma BScN students only, or by permission of the Chair, School of Nursing.

SCAPP200812.12

Course Prerequisite and Calendar Course Description Change — NURS 455-6

That the changes to the course prerequisite and calendar course description and prerequisite for NURS 455-6 Critical Care, Emergency and Trauma be approved as proposed.

Effective date: September 2009

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 455-6 Critical Care, Emergency and Trauma This course provides students with the practical ~~evidence-based~~ evidence-based information, skills and tools necessary to quickly identify ~~patients~~ clients with critical conditions and to intervene appropriately and effectively within the context and confines of rural nursing practice. The most salient aspects of adult, geriatric and pediatric emergency and critical care encountered in rural practice are examined. ~~This includes rapid and accurate patient assessment, recognition of~~

clinical deterioration, and emergency interventions with stabilization and safe transfer of life threatening conditions. The course includes a focused lab experience and a practicum at a larger tertiary centre. This course is restricted to registered nurses.

Major Restriction: Restricted to the Rural Acute Care Nursing Certificate Program or Post-Diploma BScN students only, or by permission of the Chair, School of Nursing.

Pre or co-requisites: NURS 451-3 or equivalent

SCAPP200812.13

Calendar Course Description Change — NURS 456-3

That the changes to the calendar course description for NURS 456-3 Mental Health and Addictions be approved as proposed.

Effective date: September 2009

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 456-3 Mental Health and Addictions This course provides ~~students with the~~ basic knowledge and skills required to care for people living with common mental health and addiction issues encountered in rural nursing practice. A holistic relational nursing focus allows students to apply concepts ~~discussed in~~ to a variety of health challenges and to intervene appropriately. Nursing approaches to clinical decision making with clients who have specific mental health problems such as psychotic, mood, anxiety and personality disorders are highlighted. Nursing practice approaches to addictions, substance use, and crisis intervention, including aggression and suicide attempts, are addressed. This course is restricted to registered nurses.

Major Restriction: Restricted to the Rural Acute Care Nursing Certificate Program or Post-Diploma BScN students only, or by permission of the Chair, School of Nursing.

SCAPP200812.14

Major Restriction Change — NURS 457-3

That the changes to the Major Restriction for NURS 457-3 Living and Working in a Rural Community be approved as proposed.

Effective date: September 2009

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 457-3 Living and Working in a Rural Community This course enables students to gain an understanding and appreciation of the unique challenges facing nurses who live and work in rural communities. Confidentiality, anonymity, cultural safety, inter-professional relationships, population health, and maintaining competence are addressed. Students gain greater knowledge and sensitivity in the provision of ethical and effective health care for First Nations populations. This course is restricted to registered nurses.

Major Restriction: Restricted to the Rural Acute Care Nursing Certificate Program or Post-Diploma BScN students only, or by permission of the Chair, School of Nursing.

SCAPP200812.41

Change to Course Prerequisite — ORTM 433-(1-6)

That the change to the prerequisites for ORTM 433-(1-6) Field Experience II be approved as proposed.

Effective date: May 2009

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]):

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

SCAPP200812.44

Change to Calendar Course Description — PHYS 115-4

That the change to the calendar course description of PHYS 115-4 General Introduction to Physics be approved as proposed.

Effective date: September 2009

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]):

PHYS 115-4 This is an Algebra-based introductory physics course for students without ~~GRADE 12 PHYSICS~~ Grade 12 Physics. Topics covered include physics and measurement, the laws of motion, work and energy, linear momentum and collisions, static equilibrium, elasticity, laws of thermodynamics, fluid mechanics, sound waves, electric field, electric potential, DC circuits, magnetic field, electromagnetic waves, laws of geometrical optics, and elements of modern physics.

Prerequisites: ~~none~~ Students with credit in Physics 12 require permission of the Program Chair.

7.2 Senate Committee on Research and Graduate Studies

Fondahl / Hartley

S-200901.28

Course Deletion — BIOL 631-3

McGill / Jensen

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the course BIOL 631-3 Plant-Microbial Interactions be deleted and removed from the Calendar.

Effective date: September 2009

CARRIED.

An Executive Summary of proposed changes to Health Sciences Programs curricula was included for information.

S-200901.29

Change to Program Calendar Description — Master of Community Health Science

McGill / Hartley

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the deletion of HHSC 798-(3-6) Directed Studies from the Master of Community Health Science degree course listing be approved as proposed.

Effective date: September 2009

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]):

Catalog Entries

HHSC 680 - Directed Studies

Directed Studies.

~~HHSC 798 - Directed Studies~~ Delete Course

S-200901.30

Change to Grade Mode — DISM 794-6

Wagner / Jensen

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the grade assignments for DISM 794-6 (Disability Management Major Paper) be changed from one of "Pass/Fail" to letter grade.

Effective date: September 2009

CARRIED.

S-200901.31

Calendar Revision — Semester Dates and Economics Program Admission Deadline

Hyndman / Annis

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the Graduate Calendar (pages 35 and 63) be changed to include a January admission date for students to the MA Development Economics Program.

Effective date: May 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]):

a. Semester Dates

15	Monday	Application deadline for Graduate Studies for January Semester for: <u>Development Economics (MA)</u> , First Nations Studies (MA), Gender Studies (MA), International Studies (MA), Mathematical, Computer, & Physical Sciences (MSc), Natural Resources & Environmental Studies (MA, MSc, MNRES), Political Science (MA), Business Administration (MBA).
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b. Development Economics (MA Program) page 63

Application deadlines are found in this calendar under "Semester Dates₁" or online at: www.unbc.ca/calendar/graduate, also under "Semester Dates." The Development Economics MA Program accepts students for the September and January Semesters.

It was suggested that motions S-200901.32 and S-200901.33 be dealt with as an omnibus motion, and in the absence of opposition, Senate proceeded in this manner.

S-200901.32

Change to Program Requirements and Calendar Description — MEd Counselling Specialization

Chasteauneuf / Zahir

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the changes to the MEd Counselling specialization in the School of Education description and regulations be approved as proposed.

Effective date: September 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]):

MEd Program Requirements

Thesis Requirement

The thesis pattern of study emphasizes academic study, research, and the successful completion of a thesis. This program pattern is designed to develop each student's ability to evaluate theory and practice, and conduct research that contributes to the discipline. The thesis pattern requires the successful completion of a minimum of 32 credit hours and a maximum of 38 credit hours of graduate course credit in the Multidisciplinary Leadership specialization, or a minimum of 38 credit hours in the Counselling specialization. This credit must include a minimum of 23 credit hours of graduate course work in the Multidisciplinary Leadership specialization, or a minimum of 29 credit hours in the Counselling specialization, and at least nine (9) credit hours of supervised research culminating in the completion of a thesis and the successful defense of it in an oral examination.

Project Requirement

The project pattern of study emphasizes the study of theory and practice, and the successful completion of an innovative research and/or development project that addresses a particular aspect of practice. This program pattern is designed to develop a student's ability to evaluate and improve professional practice in the discipline. The project pattern requires the completion of a minimum of ~~38~~ 32 credit hours in the Multidisciplinary Leadership specialization, or a minimum of 38 credit hours in the Counselling specialization ~~of graduate course credit~~. This credit must include a minimum of ~~32~~ 26 credit hours of graduate course work in the Multidisciplinary Leadership specialization, or a minimum of 32 credit hours in the counseling specialization, and a maximum of ~~26~~ credit hours ~~of graduate course work~~, and at least six (6) credit hours of supervised work, culminating in the successful completion of a project.

Comprehensive Examination Requirement

The comprehensive examination pattern of study requires the successful completion of a comprehensive examination that evaluates a candidate's knowledge of theory, research, and practice in his/her field of study. This program pattern is designed to enhance and reinforce a student's knowledge of both theory and practice, as well as their interrelationship. The comprehensive examination pattern requires the successful completion of a minimum of 32 credit hours and a maximum of 38 credit hours of graduate course credit in the Multidisciplinary Leadership specialization, or a minimum of 38 credit hours in the Counselling specialization. This credit must include a minimum of 29 credit hours of graduate course work in the Multidisciplinary Leadership specialization or a minimum of 35 credit hours in the Counselling specialization, and three (3) credit hours awarded upon the successful completion of a written comprehensive examination.

Application can be made to the School of Education Program to enter a thesis or project route after having completed at least 12 credit hours of course work. ~~If approved, the thesis route would consist of four (4) core courses and required focus area courses, a sufficient number of electives, and a thesis.~~

~~The project route would consist of four (4) core courses, required focus area courses, a sufficient number of electives, and a project.~~

The research seminar course, EDUC 795-3, is strongly recommended, and may even be required, if research is to be undertaken. ~~Students may take extra electives, up to a maximum of 38 total credit hours for the degree.~~

Counselling

The Counselling specialization is designed to prepare counselors to provide professional services and leadership

in counselling and psycho-educational programs offered in schools, post-secondary institutions, social service agencies, and community health organizations. Students have the opportunity to choose the type(s) of counselling they wish to focus upon, and to complete periods of supervised clinical practice in practicum settings that are relevant to their interest, based on availability. The program includes an integrated core of required courses, elective courses, and a thesis, project or comprehensive examination. Counselling students are required to complete ~~seven (7)~~ eight (8) required courses, ~~four (4)~~ three (3) elective courses, and a comprehensive examination. ~~Special~~ Application can be made to the School of Education program to enter a thesis or project route after completion of at least 12 credit hours of course work. If approved, the thesis route would consist of ~~seven (7)~~ eight (8) required courses, ~~two (2)~~ one (1) electives, and the thesis, while a project route would consist of ~~seven (7)~~ eight (8) required courses, ~~three (3)~~ two (2) electives, and a project. The course requirements and courses for the Counselling ~~program~~ specialization appear below.

EDUC 602-4 Quantitative Research Design and Data Analysis
EDUC 610-4 Qualitative Analysis in Education
EDUC 613-3 Interpersonal Counselling Skills
EDUC 711-3 Counselling Theory
EDUC 712-3 Counselling Practice
EDUC 714-3 Group Counselling Processes
EDUC 717-3 Ethics in Counselling
EDUC 719-3 Counselling Practicum

S-200901.33

New Course Approval — EDUC 717-3

Chasteauneuf / Zahir

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the new course EDUC 717-3 Ethics in Counselling 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 examines ethical and legal issues found in counselling practice with individuals, couples, families, and groups. It also presents an ethical decision-making process and model for application to counselling practice dilemmas. Students will become familiar with counselling codes of ethics.

S-200901.34

Course Deletion — GEOG 612-3

McGill / Jeffery

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the course GEOG 612-3 Geomorphology of Cold Regions be deleted and removed from the Calendar.

Effective date: September 2009

CARRIED.

It was suggested that motions S-200901.35 and S-200901.36 be dealt with as an omnibus motion, and in the absence of opposition, Senate proceeded in this manner.

S-200901.35

Calendar Revision — Interdisciplinary Studies Program Admission Deadline for January Semester Admissions

Hartley / Hutchings

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the admission entry dates for the Interdisciplinary Studies Program (MA and MSc) be revised to include a September 15th deadline for January Semester admissions.

Effective date: 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]):

1.0 General Admission

Application material is available from the Office of the Registrar or from the web site, www.unbc.ca/graduateprograms/. The requirements for admissibility include, but are not limited to: an acceptable academic standing (see 1.3.2); acceptable letters of reference; the availability of a supervisor within the program concerned; and the availability of adequate space and facilities.

All documents submitted to the Office of the Registrar must be in the original language in which they were produced. Documents not produced in the English language must be accompanied by a notarized translation into English. Documents submitted in support of an application become the property of the University of Northern British Columbia and will not subsequently be released.

Application deadlines are **February 15** for September Semester and May Semester admission, and **September 15** for January Semester admission. Individual graduate programs may set other deadlines.

The **deadline** for application to the **English** Program is **January 16** for September Semester admission.

The **deadline** for application to the **Psychology** Program is **January 16** for September Semester admission.

The **deadlines** for application to the **Interdisciplinary Studies (MA and MSc)** Program are **February 15** for September Semester admission; and, **September 15** for January Semester admission.

The **deadline** for application to the **Disability Management** Program is **March 15** for September Semester admission.

The **deadlines** for Canadian applications to the **Master of Business Administration** degree program are **May 15** for September Semester admission and September 15 for January Semester admission. The deadlines for international applications to the Master of Business Administration degree program are April 15 for September Semester admission and July 15 for January Semester Admission.

Applications for admission should be submitted as early as possible to the Office of the Registrar. Applications received after the deadlines may not be processed in time to permit admission.

Intake to Graduate Programs is in the September Semester. However, some programs have intake in the January Semester as well.

Admission to a Graduate Program is valid only for the semester indicated in the letter of offer of admission.

The University of Northern British Columbia specifically reserves the right to exercise its sole, absolute, and unfettered discretion in admitting individuals to the University, its programs, or courses.

Applicants who have been offered admission to a graduate program must indicate, in writing, their intention to accept or decline the offer of admission within thirty days. **Failure to notify the University may result in cancellation of the offer of admission.**

In order to be considered for admission to Graduate Programs, all applicants must provide the following to the Office of the Registrar by the deadlines noted above:

1. **Application form for admission to Graduate Programs.**
2. **Application fee.**
3. **Document evaluation fee (if applicable). Please see [Fees](#).**
4. **Three assessment reports (letters of reference) sent directly to UNBC from the referees.**
5. **Official transcripts (one copy) from all post-secondary institutions attended.**

6. Statement of Academic Interests (letter of intent).

The following programs require the submission of additional application material in order to complete the application: **Business Administration; Community Health Science; Disability Management; Education (Counselling); English; History; Interdisciplinary Studies; International Studies; Mathematical, Computer, and Physical Sciences; Natural Resources and Environmental Studies; Nursing and Family Nurse Practitioner; Psychology; and Social Work.** See individual program listings for further information.

S-200901.36

Calendar Revision — Interdisciplinary Studies Program Admission Deadline for May Semester Admissions

Hartley / Hutchings

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the admission entry dates for the Interdisciplinary Studies Program (MA and MSc) be revised to include a February 15th deadline for May Semester admissions.

Effective date: 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]):

Application material is available from the Office of the Registrar or from the web site, www.unbc.ca/graduateprograms/. The requirements for admissibility include, but are not limited to: an acceptable academic standing (see 1.3.2); acceptable letters of reference; the availability of a supervisor within the program concerned; and the availability of adequate space and facilities.

All documents submitted to the Office of the Registrar must be in the original language in which they were produced. Documents not produced in the English language must be accompanied by a notarized translation into English. Documents submitted in support of an application become the property of the University of Northern British Columbia and will not subsequently be released.

Application deadlines are **February 15** for September Semester and May Semester admission, and **September 15** for January Semester admission. Individual graduate programs may set other deadlines.

The **deadline** for application to the **English** Program is **January 16** for September Semester admission.

The **deadline** for application to the **Psychology** Program is **January 16** for September Semester admission.

The **deadlines** for application to the **Interdisciplinary Studies (MA and MSc)** Program are **February 15** for May Semester and September Semester admission; and, **September 15** for January Semester admission.

The **deadline** for application to the **Disability Management** Program is **March 15** for September Semester admission.

The **deadlines** for Canadian applications to the **Master of Business Administration** degree program are **May 15** for September Semester admission and September 15 for January Semester admission. The deadlines for international applications to the Master of Business Administration degree program are April 15 for September Semester admission and July 15 for January Semester Admission.

Applications for admission should be submitted as early as possible to the Office of the Registrar. Applications received after the deadlines may not be processed in time to permit admission.

Intake to Graduate Programs is in the September Semester. However, some programs have intake in the January Semester as well.

Admission to a Graduate Program is valid only for the semester indicated in the letter of offer of admission.

The University of Northern British Columbia specifically reserves the right to exercise its sole, absolute, and unfettered

discretion in admitting individuals to the University, its programs, or courses.

Applicants who have been offered admission to a graduate program must indicate, in writing, their intention to accept or decline the offer of admission within thirty days. **Failure to notify the University may result in cancellation of the offer of admission.**

In order to be considered for admission to Graduate Programs, all applicants must provide the following to the Office of the Registrar by the deadlines noted above:

7. **Application form for admission to Graduate Programs.**
8. **Application fee.**
9. **Document evaluation fee (if applicable). Please see [Fees](#).**
10. **Three assessment reports (letters of reference) sent directly to UNBC from the referees.**
11. **Official transcripts (one copy) from all post-secondary institutions attended.**
12. **Statement of Academic Interests (letter of intent).**

The following programs require the submission of additional application material in order to complete the application: Business Administration; Community Health Science; Disability Management; Education (Counselling); English; History; Interdisciplinary Studies; International Studies; Mathematical, Computer, and Physical Sciences; Natural Resources and Environmental Studies; Nursing and Family Nurse Practitioner; Psychology; and Social Work. See individual program listings for further information.

S-200901.37

Change to Program Requirements — Political Science MA Program

DeWiel / Hutchings

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the MA Program Requirements and Course Offerings for Political Science be updated to reflect the addition of a Master's Project option and the addition of three courses: POLS 797-9 Master's Project; POLS 617-3 Ethical Leadership and POLS 672-3 Contemporary Theories of Political Community.

Effective date: May 2009

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]):

Requirements

Students may choose either a Thesis or a Project option.

Thesis Option

Requirements for the thesis option comprise four graduate courses, a thesis proposal and a 12 credit thesis. Three of the four required graduate courses must be from the discipline of Political Science and must include POLS 702-3 - Scope and Methods of Political Science.

~~Course work includes POLS 702-3 (Scope and Methods of Political Science), an approved research proposal, and a thesis (POLS 799-12). Besides POLS 702-3, two of the four required graduate courses should be from Political Science.~~

Project Option

Requirements for the project option comprise five graduate courses, a project proposal and a 9 credit project. Three of the five required graduate courses must be from the discipline of Political Science and must include POLS 702-3 - Scope and Methods of Political Science.

Course Offerings

*~~————Indicates courses offered every year. All others are offered every other year.~~

POLS 600-3 Classics in Political Theory
POLS 601-3 Resource Politics
POLS 603-3*Social and Health Policy and Administration
POLS 605-3 Topics in Society and Democracy
POLS 612-3 Comparative Aboriginal-State Relations
POLS 613-3 Democracy, Citizenship and Human Rights
POLS 614-3*Comparative Federalism
POLS 615-3*Comparative Northern Development
POLS 617-3 Ethical Leadership
POLS 634-3* Resource Communities in Transition
POLS 672-3 Contemporary Theories of Political Community
POLS 702-3* Scope and Methods of Political Science
POLS 704-3 Independent Study
POLS 797-9 Master's Project
POLS 799-12 Master's Thesis

S-200901.38

Calendar Revision — Audit Fees for Degree and Non-Degree Graduate Students

Jeffery / Hartley

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the changes to the Audit Fees for Degree and Non-Degree Graduate Students section (refer to Fees section) of the Graduate Academic Calendar be approved.

Effective date: May 2009

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]):

***Is a Main Heading not a sub-heading.**

Audit Fees for Degree and Non-Degree Graduate Students*

Full-time and part-time graduate (degree) students auditing undergraduate courses will be charged the same per-credit-hour fee as part-time undergraduate students.

Graduate (degree) students who audit courses at the graduate or undergraduate level are responsible for all applicable course fees (e.g. ~~filed~~ field trip fees). Ancillary fees are included in the student's full- or part-time graduate program tuition fee units.

Non-degree students ~~and/or those persons holding a four-year Baccalaureate degree as defined in Section 1.5 4-3-4~~ will be charged \$376.11 (half of the cost of taking one course as a non-degree student) for auditing any three-credit hour course. They are responsible for all applicable ancillary and individual course fees.

S-200901.39

Calendar Revision — Final Oral Examinations (Section 7.10 of the Graduate Academic Calendar)

Hartley / Annis

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the changes to the 7.10 Final Oral Examinations section of the Graduate Academic Calendar be approved as proposed.

Effective date: May 2009

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]):

7.10 Final Oral Examinations

All Doctoral programs require a final oral examination. The regulations for such examinations are the same as for Master's programs, except as noted below.

7.10.1 Formation of the Examining Committee The final oral examining committee for the Doctoral degree shall consist of the ~~Associate~~ Dean of Graduate Programs or designate as Chair, the supervisory committee, and ~~at least one other an~~ external examiner from outside the university, who will normally attend the oral examination.

Before the dissertation is forwarded to the external examiner, ~~do~~ doctoral supervisory committee members shall each declare in writing to the supervisor and the ~~Associate~~ Dean of Graduate Programs either that the dissertation is of adequate substance to warrant that the student proceed to the final examination or that the dissertation is unsatisfactory and that the student should not be allowed to proceed to the final oral examination. An evaluation of the dissertation's ~~strengths and weaknesses~~ merits and deficiencies should accompany the declaration. A declaration of satisfactory does not constitute final approval of the dissertation. A judgement of unsatisfactory performance by a ~~member of the supervisory committee~~ doctoral supervisory committee member will be reviewed by the ~~Associate~~ Dean of Graduate Programs, but normally constitutes grounds for not sending a copy of the dissertation to the external examiner.

7.10.2 External Examiner A distinguished scholar with particular experience both in the field of the dissertation research and in supervising doctoral students shall be chosen as the external examiner. The student's supervisory committee shall make the recommendation, and the supervisor should then make an informal inquiry as to the prospective external examiner's willingness to serve. If the individual is prepared to serve, the nomination is then made by the Supervisor and the Graduate Program Chair to the ~~Associate~~ Dean of Graduate Programs who makes the formal invitation to the external examiner.

The ~~Associate~~ Dean of Graduate Programs will request that the external examiner provide a detailed report on the merits and deficiencies of the dissertation, as well as an overall evaluation using the same categories as those used by internal examiners. The external examiner is requested to present the report to the ~~Associate~~ Dean of Graduate Programs within one month of the receipt of the dissertation. Adequate time must be allowed for the transmission of the dissertation and the receipt of the report. A judgement of unsatisfactory performance by the external examiner will be reviewed by the ~~Associate~~ Dean of Graduate Programs, but normally constitutes a failed attempt of the dissertation defence.

The proposed external examiner must be in a position to review the dissertation objectively and to provide a critical analysis of the work and the presentation. It is therefore essential that the external examiner not have a current or previous association with the student, the supervisor, or the Program which would hinder this type of objective analysis. The external examiner should hold a PhD, hold an appointment with a recognized university or be a recognized scholar in their field, and have no affiliation (as described below) with the student or the supervisor. The supervisor and the student must submit a declaration to the ~~Associate~~ Dean of Graduate Programs that neither party has performed collaborative research work with the external examiner within the last five years. While the definition of "arm's length" is left to the discretion of the Program, justification of the selection may be required by the Office of Research and Graduate Programs.

7.10.3 Changes in the Examining Committee The Associate Dean of Graduate Programs must also approve changes to the membership of the examining committee. No changes shall be made to the examining committee after the dissertation is distributed by the Office of Research and Graduate Programs to the committee for examination. Should the dissertation not be submitted for examination within 12 months after the appointment of the examining committee, the committee appointment will lapse and a new appointment shall be necessary.

7.10.4 Approval For Advancement to the Oral Examination The Office of Research and Graduate Programs must receive all examiners' reports at least two weeks prior to the intended date of the oral examination.

7.10.5 Guidelines For Advancement to the Oral Examination When considering the candidate's advancement to the final oral examination, the ~~committee of internal examiners~~ doctoral supervisory committee members may wish to use the following guidelines:

- a. If all the reports judge the dissertation to be satisfactory, advancement to the oral examination should be automatic. The Office of Research and Graduate Programs shall send copies of all reports to each ~~internal dissertation examiner~~ doctoral supervisory committee member and also to the candidate.
- b. If one or more of the reports judge the dissertation to need major revisions, the Office of Graduate Studies shall send copies of all the reports to ~~each internal dissertation examiner~~ doctoral supervisory committee member and the Graduate Program Chair. Two copies of all the reports are sent to the supervisor who shall provide one copy to the candidate. The ~~committee of internal examiners~~ doctoral supervisory committee members should strive to provide the supervisor and the candidate with specific advice about the nature and scope of the revisions required and any other pertinent matters (such as the time that should elapse before the dissertation will be accepted for reconsideration).
- c. If the ~~internal examiners~~ doctoral supervisory committee members judge an unfavorable report by an external examiner to be unwarranted, they may recommend, through the Graduate Program Chair, that the Associate Dean of Graduate Programs submit the dissertation to a second external examiner.

7.10.6 Requirements Prior to Oral Examination Scheduling The examination will normally be held at the Prince George Campus. Exceptions must have the unanimous agreement of all examining committee members and the student. Normally, the oral examination shall be open to all members of the University of Northern British Columbia community. In exceptional cases, the final oral examination may be closed, for example, when the results of the dissertation research must be kept confidential for a period of time. In such cases, the ~~examining committee~~ doctoral supervisory committee members and Graduate Program Chair shall recommend such action to the Associate Dean of Graduate Programs who may then approve that the final oral examination be closed to all but the examining committee and the Associate Dean of Graduate Programs (or designate).

Candidate Information At least two weeks prior to the oral examination, the candidate must submit to the Office of Research and Graduate Programs the following information: biographical data (where and when born); outstanding points in career, awards, etc.; list of degrees obtained (where and when); the exact title of the dissertation; an abstract of the dissertation (not more than 350 words); and a list of publications. This information is used to advertise the oral examination.

Note: The above documentation should be submitted in electronic form.

Notice of Examination Except in the case of a closed examination and provided the information is received in sufficient time to meet publication deadlines, a notice of the candidate's oral examination will be published. Students, staff and faculty members who are not members of the examining committee are invited and encouraged to attend the oral examination, but are not permitted to participate in the formal questioning.

7.10.7 Format of the Examination The first part of the oral examination shall consist of an oral presentation by the candidate to include a summary of the salient points of the research within a time span of 25 to 30 minutes. This is followed by the questioning and examination of the candidate by the ~~examining~~ examining committee. The question period is normally about two ~~and a half~~ hours in duration.

It is the responsibility of the Chair of the oral examination to pose questions raised by the external examiner (if not in attendance).

The Chair of the oral examination may exercise discretion in allowing questions from the audience following completion of the formal examination.

7.10.8 Decision of the Committee Following completion of the formal examination, the candidate and audience are required to withdraw from the examination room. The ~~examiners~~ examining committee members will consider their report and will also determine the nature of and procedures for approval of any revisions that will be required prior to submission of the dissertation.

The examining committee may exercise its discretion on ~~such the following matters as to:~~ who must approve the required revisions, time limits for the completion of revisions, the necessity for a second oral examination, and any other matters. These matters should be summarized in a memorandum sent to the student by the Supervisor. Before being sent to the student, the memorandum should be circulated to the examining committee members for confirmation. It shall be the responsibility of a designated member of the oral examination committee (normally the supervisor) to ensure that all such revisions are completed before the copies of the unbound dissertation are submitted to the Office of Research and Graduate Programs for binding. The candidate will be recommended for the PhD degree when the dissertation, accompanied by a signed statement from the supervisor that the required revisions are completed, is submitted to the Office of Research and Graduate Programs, providing all other degree requirements have been satisfied.

7.10.9 Report of the Committee The final judgement of the examiners on the dissertation and the oral examination shall be reported to the ~~Associate~~ Dean of Graduate Programs in the term "pass" or "fail". The dissertation must be passed by the external examiner and a majority of members of the examining committee. In the case of a failure for the dissertation at the PhD level a detailed written report will be prepared by the Chair and made available to the candidate and also submitted to the ~~Associate~~ Dean of Graduate Programs.

A student who receives a failure on either the dissertation or the oral examination twice shall be required to withdraw from his/her doctoral program.

To Senate for Information:

SCRG200812.03

Changes to Course Title and Calendar Course Description — ANTH 605-3

That the changes to the title and calendar course description for ANTH 605-3 Topics in Landscapes and Place be approved as proposed.

Effective date: May 2009

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]):

ANTH 605 – Topics in Landscapes and Place Landscapes, Place and Culture

~~An examination and critique of the anthropological approaches to landscape space and place. Cross-cultural and cross-temporal case studies will be used.~~ This course provides an

examination and critique of the anthropological approaches to landscape, space and place. Cross-cultural and cross-temporal case studies are used.

SCRGS200812.11

Change to Course Prerequisites — GEOG 605-3

That the changes to the prerequisites for Geography 605-3 Fluvial Geomorphology be approved as proposed.

Effective date: September 2009

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]):

GEOG 605-3 Fluvial Geomorphology This course investigates ~~An investigation of~~ river channel morphometry and landforms developed by running water, and focuses on the physical processes and techniques of measurement. Weekend field trips are required.

Prerequisites: ~~GEOG 310-3 or equivalent or p-~~ Permission of instructor

SCRGS200812.12

Change to Course Title, Calendar Course Description and Prerequisites — GEOG 611-3

That the changes to the course title, calendar course description and prerequisites for GEOG 611-3 Geomorphology of Northern BC be approved as proposed.

Effective date: September 2009

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]):

GEOG 611-3 ~~Geomorphology of Northern BC~~ Quaternary and Surficial Geology
This course ~~reviews the geomorphology of this region with emphasis on the Quaternary history and relevant glacial and fluvial processes. Special topics, which vary from year to year, will be a component of this course. Field trips required.~~ examines geomorphic processes and environmental change in BC during the last two million years of Earth's history.

Prerequisites: ~~GEOG 210-3, 311-3 or p-~~ Permission of instructor

7.3 Senate Committee on Scholarships and Bursaries

Jensen

To Senate for Information:

SCSB20081210.03

Revised Terms and Conditions — Talisman Energy Scholarship for Aboriginal Students

That the revised Terms and Conditions for the Talisman Energy Scholarship for Aboriginal Students be approved.

Effective date: January 2009

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]):

Criteria: Academic Excellence Proficiency

SCSB20081210.04

Calendar Description Revision — UNBC Athletics Awards

That the calendar description for the UNBC Athletics Awards be revised as proposed.

Effective date: December 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]):

Value: ~~\$500~~ a minimum of \$500, up to a maximum value of tuition and fees

Number: ~~Ten~~ Up to Ten

Criteria: Recipients must meet UNBC admission, enrolment and full-time attendance requirements, and maintain at minimum a cumulative grade point average of 2.00. Final selection will be based on the student's contribution to the athletic team.

Note: No application is required. The Athletic ~~Coordinator~~ Director and coaching staff will select the recipients.

SCSB20081210.05

Revised Terms and Conditions — Allan Forssell Endowed Graduate Scholarship

That the revised Terms and Conditions for the Allan Forssell Endowed Graduate Scholarship be approved.

Effective date: January 2009

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]):

Value: \$1,000 ~~\$900~~

Conditions: Successful applicants must agree to:

1. Provide SET-BC with their photo and bio;
2. SET-BC publicly announcing their name as the recipient of this award.

SCSB20081210.06

Revised Terms and Conditions — Gerald Kirschke Memorial Bursary

That the revised Terms and Conditions for the Gerald Kirschke Memorial Bursary be approved.

Effective date: January 2009

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]):

Calendar Description/Intent: This bursary was established in memory of Gerald Kirschke. Gerald was a second generation logger who grew up in the Prince George area. Gerry, along with Bruce Murdoch owned and operated Six Mile Lake Logging Ltd. which operated east of town throughout the seventies and eighties. His father Bill Kirschke owned and operated Six Mile Lake Sawmills on Tabor Lake throughout the fifties and sixties. Gerry was well respected throughout the forest industry and believed there was a strong future in forestry for the North. This bursary is intended to support a student in Natural Resources Management who is experiencing financial need.

SCSB20081210.07

Revised Terms and Conditions — Northern Trust Bursary

That the revised Terms and Conditions for the Northern Trust Bursary be approved.

Effective date: January 2009

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]):

Award Name: Northern Development ~~Trust~~ Bursary

Application Instructions: Fill out all sections of the Awards Application form and attach a 300 word submission outlining your community involvement and future plans to establish a business

or career in the north or central BC. Describe how this fits with the vision, mission and mandate of the Northern Development Trust, which can be found at www.northerndevelopment.bc.ca www.nditrust.ca.

SCSB20081210.08

Revised Terms and Conditions — BC Association of Social Workers, Northern Branch Bursary

That the revised Terms and Conditions for the BC Association of Social Workers, Northern Branch Bursary be approved.

Effective date: January 2009

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]):

Eligibility: Available to full time students who have completed at least 90 credit hours towards a degree in Social Work and are members of the BCASW. Recipients must be residents of northern British Columbia. First preference will be given to single parents.

Note: Should two or more students qualify, the Chair of the School of Social Work program will recommend a candidate on the basis of the student's potential to contribute most to the northern British Columbia social work field. The recipients will be invited to address a meeting of the BC Association of Social Workers.

SCSB20081210.09

Calendar Description Revision — Section I (Awards); 1. Applications

That the following text replace Section I.1. Applications, on page 265 of the 2008-2009 Undergraduate Calendar.

Effective date: September 2009

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]):

1. Applications

Application forms for awards are available at the offices of high school guidance counsellors, other post-secondary institutions, and at UNBC ~~Student Success Centres~~ Awards and Financial Aid Office. An on-line application form is also available by accessing the UNBC website www.unbc.ca/finaid/.

Individual applicants are responsible for knowing the application deadlines, providing complete information on the application form and for supplying any supporting documentation that is required. Students are advised to read information listed under Application Instructions to their UNBC awards application form.

The deadline for Early Admission Awards is November 15. Unless otherwise stated, the deadline for applying for all other awards is **March 1, 2009**.

Application forms are not carried over from one award period to the next. Applicants are required to submit a new application form, along with any supporting documentation required, for each award period.

7.4 Senate Committee on Nominations

Reid

S-200901.40

Membership Changes to Senate and/or Senate Committees (no material)

Reid / Prkachin

That, on the recommendation of the Senate Committee on Nominations, and barring further nominations from the floor of Senate, the following candidates, who have met all eligibility requirements to serve on Senate and/or Senate committees as indicated, be approved as proposed.

CARRIED.

7.5 Steering Committee of Senate

Jago

S-200901.41

Revision to Senate Handbook — Terms of Reference for the Steering Committee of Senate

Holler / Hutchings

That, on the recommendation of the Steering Committee of Senate, the revision to the terms of reference for the Steering Committee of Senate be approved as proposed.

Effective date: January 21, 2009

CARRIED.

A Senator expressed that this revision completely satisfied the concerns he had raised at the previous meeting. The Chair responded that this was simply a matter of phraseology, and that the Steering Committee had always intended the process to work as outlined in this revised version of the terms of reference.

8.0 Other Business

8.1 Report of the Registrar (no material)

Kerr

The Registrar had nothing to report.

9.0 Information (no material)

There were no items for information.

10.0 S-200901.42

Move to In Camera Session

Reid / Binnema

That the meeting move In Camera.

CARRIED.

11.0 S-200901.51

Adjournment

Holler / McGill

That the Senate meeting be adjourned.

CARRIED.

The meeting ended at 4:45 p.m.