

**SENATE MEETING  
PUBLIC SESSION  
MINUTES**

January 20, 2010  
3:30 – 5:30 PM  
Room 7-172 Bentley Centre

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**Present:**

E. Annis, G. Ashoughian, S. Beeler, C. Bock, D. Casperson, C. Chasteauneuf, M. Dale (Vice Chair), A. Dayanandan, H. Donker, R. Ellis, G. Fondahl, W. Haque, I. Hartley, R. Hoffman, K. Hutchings, J. Hyndman, J. Jeffery, E. Jensen, D. Macknak, W. McGill, S. McKenzie, C. Myers (Recording and Acting Secretary of Senate), D. Nyce, C. O'Callaghan, M. Reid, R. Robinson, K. Vandersteen, S. Wagner, S. Zahir

**Regrets:**

T. Binnema, J. DeGrace (Secretary of Senate), S. Déry, G. Iwama (Chair), R. Lazenby, S. Rennebohm, I. Uche-Ezeala, A. Yakemchuk, J. Young

**Absent:**

U. Eka, A. Jacob

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The meeting commenced at 3:30 p.m. In the absence of the President, the meeting was chaired by the Vice Chair, Dr. Dale.

**1.0 S-201001.01  
Approval of the Agenda**

Reid / Jensen

That the Agenda for the January 20, 2010 Public Session of Senate be approved as presented.

Senators requested removal of the following items from the Consent Agenda, for placement on the Regular Agenda:

- 1) S-201001.10 (Course Prefix, Description and Prerequisite Changes — CHEM 306)
  - 2) S-201001.16 (Change to Program Requirements — Major in Chemistry)
  - 3) SCAPP200912.08 (Course Title and Description Change — POLS 413-3)
  - 4) SCAPP200912.45 (New Course Approval — XREL 112-3)
  - 5) S-201001.25 (New Course Approval – COMM 616-3)
  - 6) S-201001.26 (New Course Approval – COMM 617-3)
  - 7) S-201001.27 (New Course Approval – COMM 618-3)
  - 8) S-201001.28 (New Course Approval – COMM 626-3)
  - 9) S-201001.29 (New Course Approval – COMM 627-3)
  - 10) S-201001.30 (New Course Approval – COMM 628-3)
  - 11) S-201001.31 (New Course Approval – COMM 637-3)
  - 12) S-201001.32 (New Course Approval – COMM 638-3)
  - 13) S-201001.33 (New Course Approval – COMM 639-3)
  - 14) S-201001.34 (New Course Approval – COMM 646-3)
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- 15) S-201001.35 (New Course Approval – COMM 647-3)
- 16) S-201001.36 (New Course Approval – COMM 648-3)
- 17) S-201001.37 (New Course Approval – COMM 656-3)
- 18) S-201001.38 (New Course Approval – COMM 657-3)
- 19) S-201001.39 (New Course Approval – COMM 658-3)
- 20) S-201001.40 (New Course Approval – COMM 662-3)
- 21) S-201001.41 (New Course Approval – COMM 760-3)
- 22) S-201001.42 (New Course Approval – COMM 762-(3-6))
- 23) S-201001.43 (New Course Approval – COMM 763-12)

The request to remove the new COMM courses was based on the premise that the new MSc in Business Administration was placed on the regular agenda, and that it therefore did not make sense to approve the new courses prior to approving the new degree.

The motion to approve the agenda, as amended, was CARRIED.

**2.0 S-201001.02  
Approval of Senate Minutes**

Hutchings / Jeffery

That the Minutes of the December 9, 2009 Public Session of Senate be approved as presented. CARRIED.

**3.0 Business Arising from Previous Minutes of Senate**

No business arising was identified.

**4.0 President's Report**

**Iwama**

Dr. Dale reported that Dr. Iwama was in Japan on business. Since Dr. Iwama was absent, Dr. Dale read the report from the President, which had been submitted in writing. The President reported that work on the proposal for the Wood Innovation and Design Centre was well underway, and that Dr. Dale would likely be providing further information in his report. Dr. Iwama also reported that the University Plan was in very rough draft form, that the Vice Presidents were currently reviewing the report, and that he planned to discuss the Plan at the Board meeting in January and then bring it to Senate for discussion in February. Dr. Iwama added that a second draft of the report would then be produced and mounted on the Planning website for input, and that he intended for the Plan to be finalized in the spring of 2010. In the President's estimation, the Plan would produce no surprises, as it was essentially an affirmation of what UNBC is — a place of scholarship, of teaching, of service and partnership, and a strong community of people. Dr. Iwama has asked the Vice Presidents to consider this Plan as the basis for their strategic plans, which they will be developing this year. Finally, the President noted that, combined with the strategic action plans of the Vice Presidents, UNBC's direction should be clarified this year, and thanked Senators for their patience while this exercise was undertaken.

In his report, Dr. Iwama also indicated that there would be another meeting jointly between the Board of Governors and the Senate, and that it may be held in June when there is a Board meeting and the new Chancellor is available. In addition, Dr. Iwama reported that the new Chancellor had been selected and agreed to serve UNBC in this capacity, and that the announcement would be made before the beginning of May when his term begins.

It was reported by Dr. Iwama that several initiatives were underway to collect funds for the terrible tragedy in Haiti. He noted some of these initiatives and asked that Senators support the students in their various efforts to reach out and help the community in need.

Finally, the President indicated he was sorry to miss this Senate meeting, since it was the first of the trials to hold an information / discussion session, and that he looked forward to hearing how this went.

## 5.0 Report of the Provost

Dale

Dr. Dale reported on the Wood Innovation and Design Centre, noting that the proposal was moving forward. He indicated that he hoped it would be submitted to the Treasury Board before the Olympics begin. He added that this was a large, complicated, and expensive initiative. Finally, Dr. Dale stated that the current proposal was a concept plan and, if it is approved by the Treasury Board, the development of a full business plan would be the next step. He indicated that this process would take months, and that if approval was granted, it was anticipated the facility would be completed by the summer of 2013 and that students could use the facility beginning in September 2013. Finally, the Provost expressed that this initiative would transform UNBC, the downtown area of Prince George, and the economy of the region, so it was worth pursuing.

## 6.0 Question Period

A Senator asked about the status of the meetings and processes related to Continuing Studies courses for credit. The Director of Continuing Studies, Senator Macknak, responded that several meetings had been held to discuss this, and that processes were being reviewed. He added that the major issue is duplication of course credit, so enrolments have been suspended in courses with overlap until this has been resolved. He added that the SCAPP and SCRGs Continuing Studies Credit Committee would be meeting later this week to look at these issues. It was also asked what the Senate Committee on Academic Policy Planning was doing to ensure the library has the resources needed to support Continuing Studies Courses. The Librarian agreed that this was a concern, and it was noted that Continuing Studies students receive library cards for the duration of their courses. Senator Macknak was asked when Senate would see decisions with regard to these questions, and he responded that the report would likely be available for the next Senate meeting.

## **CONSENT AGENDA**

### **Motion:**

Casperson / Zahir

That the consent agenda be approved as amended.

CARRIED.

## 7.0 Committee Reports

### 7.1 Senate Committee on Academic Policy and Planning

#### **"For Approval" Items:**

An Executive Summary of the proposed revisions to the Biochemistry and Molecular Biology Program curriculum was included for information.

#### **S-201001.03**

#### **Changes to Program Preamble — Biochemistry and Molecular Biology B.Sc. Degree, Major and Minor**

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the change(s) to the program preamble for the Biochemistry and Molecular Biology B.Sc. degree, and changes to the Major and Minor in Biochemistry and Molecular Biology Degree, be approved as proposed.

Effective date: September 2010

CARRIED (consent agenda).

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

~~Biochemistry and Molecular Biology are the disciplines upon which Biotechnology is based. The Biochemistry and Molecular Biology program provides students with a thorough understanding of all~~

aspects of the life sciences, including practical and theoretical studies along with an understanding of ethical issues. The course of study is truly an amalgam of both disciplines. It also includes a grounding in organic chemistry and the physical sciences as these are the disciplines from which modern Biochemistry and Molecular Biology were born. The degree is designed with sufficient flexibility to allow students to follow their interests and they can expand the degree to include minors or course work in any number of complementary disciplines from computer science to mathematics to business to environmental studies. (BCMB) investigates how molecules work in living systems. There is no clear line dividing living from non-living systems; rather, there is a gradual increase in complexity from clearly inanimate molecules up to obviously complex organisms. The goal of biochemistry and molecular biology is to understand how simple, inanimate molecular interactions support life and how living systems are shaped by their molecular foundation.

The BCMB degree has two main components: learning about molecules, and learning about the scientific method. The former involves acquiring expertise in the foundations of biochemistry, such as organic and physical chemistry, and then exploring biological molecules and how they operate in living systems. The latter involves exploring how science asks questions to understand the workings of nature, while developing competence in laboratory skills and analysis. These two aspects are linked in that understanding how information is acquired is as important as the information itself, since different experimental systems can yield different insights into complex biological problems.

BCMB majors continue on to successful careers in a diverse range of fields, notably medicine, teaching, pharmacy, the biotechnology industry, science policy, and law. BCMB majors acquire strong skills in laboratory techniques, and are therefore qualified for many kinds of research positions, including graduate programs such as immunology, molecular genetics, and developmental biology. For students with interests in human health but not necessarily its molecular basis, UNBC also offers a degree in Health Science (the BHSc degree), which focuses on the social determinants of health and how health care is delivered. BCMB majors are encouraged to pursue their interests by combining the BCMB degree with minors in other fields, such as computer science, physics, business, or education.

## Major in Biochemistry and Molecular Biology

The major in Biochemistry and Molecular Biology requires students to take at least 85 credit hours of Biology and Chemistry courses, of which 42 credit hours must be upper division (i.e. 300 or 400 level). The minimum requirement for completion of a Bachelor of Science with a major in Biochemistry and Molecular Biology is 129 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

PHYS 100-4 Introduction to Physics I

or PHYS 110-4 Introductory Physics I: Mechanics

PHYS 101-4 Introduction to Physics II

or PHYS 111-4 Introductory Physics II: Waves & Electricity

One of the following three options:

MATH 100-3 Calculus I

and MATH 101-3 Calculus II

or MATH 105-3 Enriched Calculus

and MATH 101-3 Calculus II

or MATH 150-3 Finite Mathematics for Business and Economics

and MATH 152-3 Calculus for Non-majors

*Students are strongly encouraged to take MATH 100-3 or MATH 105-3, and MATH 101-3, for the first year Mathematics requirement.*

200 Level

BIOL 201-3 Ecology  
BIOL 203-3 Microbiology  
BIOL 210-3 Genetics  
CHEM 201-3 Organic Chemistry I  
CHEM 203-3 Organic Chemistry II  
CHEM 204-3 Introductory Biochemistry  
CHEM 250-1 Organic Chemistry Lab I  
CHEM 251-1 Organic Chemistry Lab II  
CHEM 255-1 Biochemistry Lab I

### Upper-Division Requirement

300 Level

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

400 Level

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

## Subject Requirements

Twelve additional credit hours of Biology and/or Chemistry at the 200 level or above, of which at least 6 credit hours must be at the 300 or 400 level to ensure completion of 42 upper-division Biology and/or Chemistry credits. Note: NRES 430-6 can count toward this requirement with permission of the Program Chair.

## Elective Requirements

Elective credit hours as necessary to ensure completion of 129 credit hours.

## Minor in Biochemistry and Molecular Biology

The minor in Biochemistry and Molecular Biology is designed to provide students with a core of study in the field of Biochemistry and Molecular Biology. The program of study includes a grounding in chemistry and biology since these are the traditional disciplines from which modern Biochemistry and Molecular Biology were born. The minimum requirement for completion of the minor in Biochemistry and Molecular Biology is 41 credit hours, of which at least 12 credit

hours must be at the upper-division level.

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

200 Level

BIOL 210-3 Genetics  
CHEM 201-3 Organic Chemistry I  
CHEM 203-3 Organic Chemistry II  
CHEM 204-3 Introductory Biochemistry  
CHEM 255-1 Biochemistry Lab I

Note: Students are allowed to double-count all applicable first- and second-year courses; however, they must take upper-division courses for the minor that are not included in their major requirements or upper-division subject requirements to ensure completion of 12 upper-division credit hours outside of their major. Students must ensure that all prerequisites are fulfilled prior to taking a course.

300 and 400 Level

12 credit hours must be chosen from the following:

BIOL 311-3 Cell and Molecular Biology

BIOL 312-3 Molecular Cell Physiology  
BIOL 323-3 Evolutionary Biology  
BIOL 423-3 Molecular Evolution and Ecology  
BIOL 425-3 Applied Genetics and Biotechnology  
CHEM 306-3 Intermediary Metabolism  
CHEM 307-3 Proteins  
CHEM 308-3 Biochemistry Lab II  
CHEM 330-3 Nucleic Acids  
CHEM 340-3 Physical Biochemistry  
CHEM 405-3 Topics in Biochemistry  
CHEM 409-3 Enzymology

#### **S-201001.04**

#### **Calendar Description Changes — Major in Biochemistry and Molecular Biology**

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the change(s) to the calendar description for the major in Biochemistry and Molecular Biology be approved as proposed to reflect the new course prefixes.

Effective date: September 2010

CARRIED (consent agenda).

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 Biochemistry and Molecular Biology

The major in Biochemistry and Molecular Biology requires students to take at least 85 credit hours of ~~Biology and Chemistry~~ Biochemistry and Molecular Biology-oriented courses, of which 42 credit hours must be upper division (i.e. 300 or 400 level). The minimum requirement for completion of a Bachelor of Science with a major in Biochemistry and Molecular Biology is 129 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  
PHYS 100-4 Introduction to Physics I  
or PHYS 110-4 Introductory Physics I: Mechanics  
PHYS 101-4 Introduction to Physics II  
or PHYS 111-4 Introductory Physics II: Waves & Electricity

One of the following three options:

MATH 100-3 Calculus I  
and MATH 101-3 Calculus II  
or MATH 105-3 Enriched Calculus  
and MATH 101-3 Calculus II  
or MATH 150-3 Finite Mathematics for Business and Economics  
and MATH 152-3 Calculus for Non-majors  
*Students are strongly encouraged to take MATH 100-3 or MATH 105-3, and MATH 101-3, for the first year Mathematics requirement.*

200 Level

BIOL 201-3 Ecology  
BIOL 203-3 Microbiology  
BIOL 210-3 Genetics  
CHEM 201-3 Organic Chemistry I  
CHEM 203-3 Organic Chemistry II  
CHEM 204-3 Introductory Biochemistry  
CHEM 250-1 Organic Chemistry Lab I  
CHEM 251-1 Organic Chemistry Lab II  
~~CHEM~~ BCMB 255-1 Biochemistry Lab I  
MATH 240-3 Basic Statistics  
or MATH 371-3 Probability and Statistics for Scientists and Engineers

## Upper-Division Requirement

300 Level

BIOL 311-3 Cell and Molecular Biology

BIOL 312-3 Molecular Cell Physiology

BIOL 323-3 Evolutionary Biology

~~CHEM BCMB 306-3 Intermediary Metabolism~~

~~CHEM BCMB 307-3 Proteins~~

~~CHEM BCMB 308-3 Biochemistry Lab II~~

~~CHEM BCMB 330-3 Nucleic Acids~~

~~CHEM BCMB 340-3 Physical Biochemistry~~

400 Level

BIOL 423-3 Molecular Evolution and Ecology

BIOL 425-3 Applied Genetics and Biotechnology

~~CHEM 405-3 Topics in Biochemistry~~

~~CHEM BCMB 409-3 Enzymology~~

One of:

BCMB 401-3 Basic Science of Oncology

BCMB 402-3 Macromolecular Structure

BCMB 403-3 Advanced Nucleic Acids

## Subject Requirements

Twelve additional credit hours of ~~Biology and/or Chemistry at the 200 level or above, of which at least 6 credit hours must be at the 300 or 400 level to ensure completion of 42 upper division Biology and/or Chemistry credits chosen from the following, of which at least six credit hours must be at the 300 or 400 level.~~ Note: NRES 430-6 can count towards this requirement with permission of the Program Chair.

Any 200-level or above BCMB, BIOL or CHEM courses

PSYC 317--3 Psychobiology

PSYC 318-3 Sensation and Perception

CPSC 450-3 Bioinformatics

HHSC 430-3 Toxicology and Environmental Health

PSYC 419-3 Neuropsychology

## Elective Requirements

Elective credit hours as necessary to ensure completion of 129 credit hours. Note: no more than three credit hours of continuing education courses may be used towards the BCMB major.

### **S-201001.05**

#### **Calendar Description Changes — Minor in Biochemistry and Molecular Biology**

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the change(s) to the calendar description for the minor in Biochemistry and Molecular Biology be approved as proposed to reflect the new course prefixes.

Effective date: September 2010

CARRIED (consent agenda).

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]):

## Minor in Biochemistry and Molecular Biology

The minor in Biochemistry and Molecular Biology is designed to provide students with a core of study in the field of Biochemistry and Molecular Biology. The program of study includes a grounding in chemistry and biology since these are the ~~traditional~~ disciplines from which modern ~~B~~biochemistry and ~~M~~molecular ~~B~~biology ~~were born~~ arose. The minimum requirement for completion of the minor in Biochemistry and Molecular Biology is 41 credit hours, of which at least 12 credit hours must be at the upper-division level.

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

200 Level  
BIOL 210-3 Genetics  
CHEM 201-3 Organic Chemistry I  
CHEM 203-3 Organic Chemistry II  
CHEM 204-3 Introductory Biochemistry  
~~CHEM~~ BCMB 255-1 Biochemistry Lab I

Note: Students are allowed to double-count all applicable first- and second-year courses; however, they must take upper-division courses for the minor that are not included in their major requirements or upper-division subject requirements to ensure completion of 12 upper-division credit hours outside of their major. Students must ensure that all prerequisites are fulfilled prior to taking a course.

300 and 400 Level  
12 credit hours must be chosen from the following:

BIOL 311-3 Cell and Molecular Biology  
BIOL 312-3 Molecular Cell Physiology  
BIOL 323-3 Evolutionary Biology  
BIOL 423-3 Molecular Evolution and Ecology  
BIOL 425-3 Applied Genetics and Biotechnology  
~~CHEM~~ BCMB 306-3 Intermediary Metabolism  
~~CHEM~~ BCMB 307-3 Proteins  
~~CHEM~~ BCMB 308-3 Biochemistry Lab II  
~~CHEM~~ BCMB 330-3 Nucleic Acids  
~~CHEM~~ BCMB 340-3 Physical Biochemistry

### **BCMB 401-3 Basic Science of Oncology**

~~CHEM~~ BCMB 402-3 Macromolecular Structure  
~~CHEM~~ BCMB 403-3 Advanced Nucleic Acids  
~~CHEM~~ BCMB 405-3 Topics in Biochemistry and Molecular Biology  
~~CHEM~~ 405-3 Topics in Biochemistry  
~~CHEM~~ BCMB 409-3 Enzymology

#### **S-201001.06**

##### **New Course Approval — BCMB 405-3**

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the new course BCMB 405-3 Topics in Biochemistry and Molecular Biology be approved as proposed.

Proposed Semester of First Offering: September 2010  
CARRIED (consent agenda).

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

This course considers selected advanced topics in biochemistry. Topics depend on instructor and student interest and normally focus on material not dealt with in other courses. Note: Credit may be granted for both 400- and 600-level offerings of Topics in Chemistry courses, and either the 400- or 600-level or a combination of both may be repeated to a maximum of 6 credit hours, provided the content of the independent offerings of the courses is sufficiently different (as determined by the Program Chair or College Dean).

**Prerequisites:** BCMB 330-3, BCMB 307-3, BCMB 340-3

#### **S-201001.07**

##### **New Course Approval — BCMB 430-6**

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the new course BCMB 430-6 Undergraduate Thesis be approved as proposed.

Proposed Semester of First Offering: September 2010  
CARRIED (consent agenda).

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

This is a laboratory-based undergraduate research thesis, designed for students with serious research interests. This course includes an oral presentation of research results. Students must

have completed at least 90 credit hours of study and be BCMB major. The thesis may be taken over one or two semesters.

**Prerequisites:** 90 credit hours of study, BCMB major, and permission of the instructor

**S-201001.08**

**New Course Approval — BCMB 499-(1-6)**

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the new course BCMB 499-(1-6) Independent Study be approved as proposed.

Proposed Semester of First Offering: September 2010

CARRIED (consent agenda).

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 concentrates on a particular topic agreed upon by the student and a member of the BCMB faculty. It may be repeated to a maximum of six credit hours. Credit may be granted for both 400- and 600-level offerings of the course provided the content is sufficiently different (as determined by the Program Chair or Dean).

**Prerequisites:** permission of the Program Chair

**S-201001.09**

**Course Prefix, Description and Prerequisite Changes — CHEM 255-1**

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the changes to the course prefix, course description, and prerequisites for CHEM 255-1 be approved as proposed.

Effective date: September 2010

CARRIED (consent agenda).

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]):

**CHEM BCMB 255-1 Biochemistry Lab I** This is a laboratory-based course in which students explore ~~exploring the~~ basic biochemical and molecular biological laboratory techniques. Topics include buffers, calculations in biochemistry, ~~spectroscopy~~, enzyme kinetics, and lipids carbohydrates and protein purification. Techniques include centrifugation, chromatography, spectrophotometry, and electrophoresis.

Prerequisites: Chem 201-3

Co-requisites: Chem 204-3

Precluded: Chem255-1

**S-201001.11**

**Course Prefix, Description and Prerequisite Changes — CHEM 307-3**

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the changes to the course prefix, course description, and prerequisites for CHEM 307-3 be approved as proposed.

Effective date: September 2010

CARRIED (consent agenda).

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]):

**CHEM BCMB 307-3 Proteins** This lecture-based course ~~designed to provides~~ provides in-depth knowledge ~~on~~ of contemporary protein biochemistry, ~~and their applications.~~ Major topics

include structure and function of proteins, protein purification techniques, protein metabolism, protein biotechnology, and proteomics and techniques applied to proteins.

Prerequisites: CHEM 204-3 Minimum Grade of C  
Precluded: CHEM 307-3

**S-201001.12**

**Course Prefix, Description and Prerequisite Changes — CHEM 308-3**

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the changes to the course prefix, course description, and prerequisites for CHEM 308-3 be approved as proposed.

Effective date: September 2010

CARRIED (consent agenda).

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]):

**CHEM308-3 Biochemistry Lab II** A laboratory-based course exploring modern biochemical and molecular biological laboratory techniques. Topics include purification and characterization of proteins and nucleic acids. Techniques include centrifugation, chromatography, gel electrophoresis, Western blotting, Northern blotting, in-vitro transcription and translation.

Prerequisites: Chem 255-1 and either Chem 204-3 or Chem220-3

**S-201001.13**

**Course Prefix, Description and Prerequisite Changes — CHEM 330-3**

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the changes to the course prefix, course description, and prerequisites for CHEM 330-3 be approved as proposed.

Effective date: September 2010

CARRIED (consent agenda).

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]):

**CHEM BCMB 330-3 Nucleic Acids** This lecture-based course provides an in-depth knowledge of contemporary nucleic acid biochemistry, and ~~their~~ its applications application. Major topics include structure and function of DNA and RNA, ~~small molecules nucleic acid interactions~~ interactions between small molecules and nucleic acids, protein nucleic acid interactions, catalytic RNA, and techniques applied to the study of nucleic acids and ~~post-transcriptional control of~~ gene expression.

Pre-requisites: Chem 204-3 Minimum Grade of C  
Precluded: Chem 330-3

**S-201001.14**

**Course Prefix, Description and Prerequisite Changes — CHEM 340-3**

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the changes to the course prefix, course description, and prerequisites for CHEM 340-3 be approved as proposed.

Effective date: September 2010

CARRIED (consent agenda).

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]):

**CHEM BCMB 340-3 Physical Biochemistry** This lecture-based ~~survey~~ course is designed to provide students with a basis for understanding allows students to explore the physical ~~aspects~~ basis of biochemistry through in-depth study of some of the most important biochemical phenomena in nature. The concepts of entropy, enthalpy, and equilibria are discussed in the context of repressor function, photosynthesis, and ATP synthesis. Other topics include the physical basis of biochemical techniques such as centrifugation, electrophoresis, and spectroscopy. ~~Topics include biological applications of thermodynamics, chemical and biochemical kinetics, electrochemical equilibria, cell membrane potentials, oxidative phosphorylation, transport processes, photochemistry, and photosystem II.~~

*Prerequisites:* PHYS 101 or PHYS 111, and CHEM 204-3 with a minimum Grade of C

*Co-requisites:* CHEM 255-1

*Precluded:* CHEM 230-3, CHEM 340-3

#### **S-201001.15**

##### **Course Prefix, Description and Prerequisite Changes — CHEM 409-3**

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the changes to the course prefix, course description, and prerequisites for CHEM 409-3 be approved as proposed.

Effective date: September 2010

CARRIED (consent agenda).

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]):

**CHEM BCMB 409-3 Enzymology** This A lecture-based course ~~emphasizing~~ emphasizes the importance and the role of enzymes in biochemistry and molecular biology. Topics include kinetic analysis, mechanisms of enzyme action, regulation of enzyme activity and clinical aspects of enzymology.

*Prerequisites:* CHEM 307-3 Minimum Grade of C

*Co-requisite:* CHEM 330-3

*Precluded:* CHEM 409-3

An Executive Summary of the proposed revisions to the Chemistry Program curriculum was included for information.

#### **S-201001.17**

##### **Change to Program Requirements — Minor in Chemistry**

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the change to the Program Requirements for a Minor in Chemistry be approved as proposed.

Effective date: September 2010

CARRIED (consent agenda).

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]):

## Minor in Chemistry

The minor in Chemistry is designed to provide students with a solid grounding and a core of study in one or more of the subdisciplines of Chemistry. Thus, some flexibility is permitted in satisfying the requirements for a minor. Students have the option to study a range of subdisciplines at the 300 level while counting the 200-level prerequisites toward the minor or to focus on particular subdisciplines through to the 400 level. A maximum of six courses (14 credit hours) of the 100- and 200-level courses used to fulfill requirements for a major (or another minor) may also be used toward a minor in Chemistry.

The minimum requirement for completion of the minor in Chemistry is 29 credit hours.

### 100 Level

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

### 200 Level

At least nine credit hours from:

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 204-3*	Introductory Biochemistry
CHEM 210-3	Analytical Chemistry I
CHEM 250-1	Organic Chemistry Lab I
CHEM 251-1	Organic Chemistry Lab II

\*Note: Selections made should incorporate prerequisites for intended upper-division courses.

### 300 and 400 Level

At least 12 credit hours from:

<u>BCMB 306-3</u>	<u>Intermediary Metabolism*</u>
<u>BCMB 307-3</u>	<u>Proteins*</u>
<u>BCMB 308-3</u>	<u>Biochemistry Lab II*</u>
<u>BCMB 401-3</u>	<u>Basic Science of Oncology*</u>
<u>BCMB 402-3</u>	<u>Macromolecular Structure*</u>
<u>BCMB 403-3</u>	<u>Advanced Nucleic Acids*</u>
<u>BCMB 405-3</u>	<u>Topics in Biochemistry and Molecular Biology*</u>
<u>BCMB 409-3</u>	<u>Enzymology*</u>
CHEM 300-3	Physical Chemistry II
CHEM 301-3	Advanced Organic Chemistry I
CHEM 302-4	Environmental Chemistry I
CHEM 303-3	Quantum Chemistry
CHEM 304-3	Advanced Organic Chemistry II
CHEM 305-3	Physical Chemistry III
<del>CHEM 306-3</del>	<del>Intermediary Metabolism</del>
<del>CHEM 307-3</del>	<del>Proteins</del>
<del>CHEM 308-3</del>	<del>Biochemistry Lab II</del>

CHEM 310-3 Analytical Chemistry II  
CHEM 311-3 Analytical Chemistry III  
CHEM 312-3 Organic Chemistry Lab III  
CHEM 315-3 Physical Chemistry Lab  
CHEM 320-3 Inorganic Chemistry II  
CHEM 321-3 Inorganic Chemistry III  
CHEM 322-3 Inorganic Chemistry Lab  
CHEM 400-3 Topics in Environmental Chemistry  
CHEM 402-3 Topics in Organic Chemistry  
CHEM 403-3 Topics in Inorganic Chemistry  
CHEM 404-3 Topics in Physical Chemistry  
CHEM 405-3 Topics in Biochemistry  
CHEM 408-3 Environmental Chemistry II

\* Up to 6 credit hours from BCMB 306-3, BCMB 307-3, BCMB 308-3, BCMB 330-3, BCMB 340-3, BCMB 401-3, BCMB 402-3, BCMB 403-3, BCMB 405-3 or BCMB 409-3 may be used toward a minor in Chemistry

### **S-201001.18**

#### **Change to Program Requirements — Joint Major in Chemistry and Mathematics**

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the changes to the Chemistry-Mathematics joint degree major be revised and approved as proposed.  
Effective date: September 2010  
CARRIED (consent agenda).

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]):

## Joint Major in Chemistry/Mathematics

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

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

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

## Program Requirements

### Lower-Division Requirement

CHEM 100-3 General Chemistry I  
CHEM 101-3 General Chemistry II  
CHEM 120-1 General Chemistry Lab I  
CHEM 121-1 General Chemistry Lab II  
CHEM 200-3 Physical Chemistry I  
CHEM 201-3 Organic Chemistry I  
CHEM 202-3 Inorganic Chemistry I  
CHEM 203-3 Organic Chemistry II  
CHEM 210-3 Analytical Chemistry I  
CPSC 100-4 Computer Programming I  
MATH 100-3 Calculus I  
    or MATH 105-3 Enriched Calculus  
MATH 101-3 Calculus II  
MATH 200-3 Calculus III  
MATH 201-3 Introduction to Complex Analysis  
MATH 220-3 Linear Algebra  
~~MATH 226-3 Advanced 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

## Upper-Division Requirement

### CHEMISTRY

CHEM 300-3 Physical Chemistry II  
or CHEM 305-3 Physical Chemistry III  
CHEM 310-3 Analytical Chemistry II  
or CHEM 311-3 Analytical Chemistry III  
CHEM 320-3 Inorganic Chemistry II  
or CHEM 321-3 Inorganic Chemistry III

\*~~Nine~~ Six credit hours of 300- or 400-level Chemistry \*

Six credit hours of 400 level Chemistry

Up to 6 credit hours from BCMB 306-3, BCMB 307-3, BCMB 308-3, BCMB 330-3, BCMB 340-3, BCMB 401-3, BCMB 402-3, BCMB 403-2, BCMB 405-3 or BCMB 409-3 may be used to satisfy these requirements.

### MATHEMATICS

MATH 320-3 Survey of Algebra  
MATH 326-3 Advanced Linear Algebra  
MATH 335-3 Numerical Analysis I  
MATH 371-3 Probability and Statistics for Scientists and Engineers

~~\*Nine~~ Six credit hours of 300- or 400-level Mathematics\*

Six credit hours of 400-level Mathematics

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

\*Between the two disciplines, a minimum of 15 credit hours at the 400 level must be completed.

## Elective Requirement

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

### **S-201001.19**

#### **Change to Program Requirements — Joint Major in Chemistry and Computer Science**

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the change(s) to the requirements of the joint major in Chemistry and Computer Science be approved as proposed.

Effective date: September 2010

CARRIED (consent agenda).

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

## **Joint Major in Chemistry/Computer Science**

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

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

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

## Program Requirements

### Literacy Requirement

#### One of:

ENGL 170-3      Writing and Communication Skills

ENGL 270-3      Expository Writing

### Lower-Division Requirement

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  
CPSC 101-4 Computer Programming II  
CPSC 141-3 Discrete Computational Mathematics  
~~CPSC 142-3 Discrete Computational Mathematics II~~  
CPSC 200-3 Algorithm Analysis and Development  
CPSC 230-4 Introduction to Logic Design  
CPSC 231-4 Computer Organization and Architecture  
CPSC 242-3 Mathematical Topics for Computer Science  
CPSC 281-3 Data Structures I  
MATH 100-3 Calculus I  
    or MATH 105-3 Enriched Calculus  
MATH 101-3 Calculus II  
MATH 220-3 Linear Algebra

### Upper-Division Requirement

#### CHEMISTRY

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

\*Fifteen credit hours of 300- or 400-level Chemistry\*.

Up to 6 credit hours from BCMB 306-3, BCMB 307-3, BCMB 308-3, BCMB 330-3, BCMB 340-3, BCMB 401-3, BCMB 402-3, BCMB 403-3, BCMB 405-3 or BCMB 409-3 may be used to satisfy these requirements.

## COMPUTER SCIENCE

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 the seminar, project, and special topics courses).

~~\*Nine of these 21 credit hours must be at the 400 level so that a minimum of 15 credit hours of 400 level Chemistry and Computer Science are completed.~~

~~\*Between the two disciplines, a minimum of 15 credit hours at the 400 level must be completed.~~

One of:

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

### **S-201001.20**

#### **Change to Program Requirements — Joint Major in Chemistry and Physics**

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the change(s) to the requirements of the joint major in Chemistry and Physics be approved as proposed.

Effective date: September 2010

CARRIED (consent agenda).

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

### **Joint Major in Chemistry/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\*

\*Up to 6 credit hours from BCMB 306-3, BCMB 307-3, BCMB 308-3, BCMB 330-3, BCMB 340-3, BCMB 401-3, BCMB 402-3, BCMB 403-3, BCMB 405-3 or BCMB 409-3 may be used to satisfy these upper-division Chemistry requirements.

One of:

MATH 336-3	Intermediate Differential Equations
PHYS 300-3	Classical Mechanics
PHYS 302-3	Quantum Mechanics I
PHYS 404-3	Solid State Physics
PHYS 351-3	Optics and Photonics I

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-201001.21**

#### **Change to Credit Hours — CHEM 499-(3-6)**

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the change in the range of credit hours for CHEM 499-(3-6) Independent Study be approved as proposed.

Effective date: September 2010

CARRIED (consent agenda).

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]):

**CHEM 499-(3-1-6) Independent Study** This course concentrates ~~Concentration~~ on particular ~~topic(s)~~ topics agreed upon by the students and a member of the Chemistry faculty. It may be repeated for a maximum of six credit hours. Credit may be granted for both 400- and 600-level offerings of the course provided the content is sufficiently different (as determined by the Program Chair or Dean).

Prerequisites: permission of the Program Chair

**S-201001.22**

**Calendar Description Change — Education Diploma in a First Nations Language and Culture (Elementary Years)**

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the changes to the calendar description for the Education Diploma in a First Nations Language and Culture (Elementary Years) be approved as proposed.

Effective date: January 2010

CARRIED (consent agenda).

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]):

**Professional Education Coursework (Gitksanimx and Nisga'a):**

EDUC 380-3	Foundations of Education
EDUC 333-2	Learning, Development and Motivation
EDUC 341-2	Principles of Instruction
EDUC 342-2	Social Dynamics of Classrooms
EDUC 351-2	Curriculum and Instruction: Second Language
EDUC 356-2	Language and Literacy Development
EDUC 446-2	Aboriginal Education: Epistemology
EDUC 435-2	Learning and Diversity: Inclusive Classrooms
EDUC 390-3	Classroom Practice and Seminar 1
EDUC 391-3	Classroom Practice and Seminar 2

**Professional Education Coursework (Ts'msyen Sm'algyax and Nak'azdli Carrier):**

EDUC 380-3	Foundations of Education
EDUC 333-2	Learning, Development and Motivation
EDUC 341-2	Principles of Instruction
EDUC 342-2	Social Dynamics of Classrooms
EDUC 351-2	Curriculum and Instruction: Second Language
EDUC 356-2	Language and Literacy Development
EDUC 446-2	Aboriginal Education: Epistemology
EDUC 435-2	Learning and Diversity: Inclusive Classrooms
EDUC 390-3	Classroom Practice and Seminar 1

**S-201001.23****Change to Degree Requirements — BSc Honours (Psychology)**

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the undergraduate calendar description for requirements for the BSc Honours degree (Psychology) be changed to: PSYC 490, PSYC 495, PSYC 497, and one additional 400-level PSYC course. Effective date: January 2010  
CARRIED (consent agenda).

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]):

## BSc Honours – Psychology

Honours students are required to complete 122 credit hours. Students must successfully complete the 56 credit hours for the Psychology BSc program, 54 credit hours of electives and 12 credit hours from the courses listed below.

PSYC 490-3 Honours Thesis I

PSYC 495-3 Honours Thesis II

PSYC 497-3 Senior Seminar

and ~~One~~ one additional 400-level Psychology course

Each student will complete a thesis project [PSYC 490-3 (Honours Thesis I), PSYC 495-3 (Honours Thesis II)] under the supervision of a faculty member. Admission to the honours program will take place after the end of the second year (i.e., upon completion of 60 credit hours) and will require a minimum CGPA of 3.33. Attaining the minimum requirement will not guarantee admission to the honours program, which will be at the discretion of the Department Program. ~~To remain in the honours program requires the maintenance of~~ students must maintain a minimum CGPA of 3.33.

The minimum requirement for completion of a BSc Honours - Psychology is 122 credit hours.

**S-201001.24****Change to Program Requirements and Calendar Description — Social Work BSW Program**

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the change(s) to the School of Social Work BSW Program Calendar information be approved as proposed.

Effective date: September 2010

CARRIED (consent agenda).

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]):

### Social Work (BSW Program)

- \* Child Welfare Specialization (BSW)
- \* First Nations Specialization (BSW)

### Social Work (Post Baccalaureate Certificates)

- \* Aboriginal Child and Youth Mental Health Certificate (ACYMHC)
- \* Child Welfare Certificate (CWC)

Dawn Hemingway, Associate Professor, and Chair

~~Gerard Bellefeuille, Associate Professor~~  
Bruce Bidgood, Associate Professor  
Indrani Margolin, Assistant Professor  
Heather Peters, Associate Professor  
Glen Schmidt, Associate Professor  
Si Chava Transken, Associate Professor  
~~Gale Cyr, Assistant Professor~~  
Joanna Pierce, Assistant Professor  
~~Michele A. Sam, Assistant Professor~~  
Dave Sangha, Assistant Professor  
Tammy Stublely, Assistant Professor  
~~Eleanor Wint, Assistant Professor~~  
~~Kwong Tang, Adjunct Professor~~

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

The School of Social Work offers a schedule of studies leading to the degree of Bachelor of Social Work (BSW).

The Bachelor of Social Work at UNBC is designed to prepare students for beginning-level generalised social work practice with individuals, families, groups and communities. The program's orientation places emphasis on Social Work in northern and remote areas, First Nations, women and the human services, and community practice and research. Analyses of class, gender and race relations are considered central to the Social Work program. As mandated by its accrediting body, the Canadian Association for Social Work Education (CASWE), and the relevant Social Work Codes of Ethics, Social Work at UNBC provides a professional program that advocates for justice and equality, and equips graduates with the intellectual, analytical, practical and professional skills needed to promote beneficial change.

### Admission Requirements

Admission to the Bachelor of Social Work program is limited and is based on academic qualifications and available space. Students will normally complete 60 credit hours of study and achieve a minimum grade point average of 2.67 (B-) (calculated on a student's most recent 60 credit hours of study) and meet other selection criteria prior to program entry. More information about these criteria can be found in the BSW Supplementary Application for Admission form.

Students who have completed a social service worker program at a community college may be eligible for discretionary transfer credit.

The School of Social Work will permit up to three Social Work elective courses to be taken prior to formal admission to the BSW program. Successful completion of these courses does not guarantee admission into the program.

~~Under collaborative agreements between UNBC and the three northern community colleges (College of New Caledonia, Northern Lights College, and Northwest College) students who have completed social service worker training programs at those colleges are eligible to receive credit as determined under the agreement.~~

~~Students who have completed a social service worker training program at other colleges~~

~~may be eligible for discretionary credit.~~

Students will be required to undergo a criminal records search prior to being admitted - Refer to ~~(see Academic Regulation #18 18)~~.

Undergraduate students are required to take 60 credit hours of Upper-Division Social Work courses. The minimum requirement for a Bachelor of Social Work is 120 credit hours.

~~It will be expected that students applying to the School of Social Work with a Baccalaureate degree in a related discipline will normally have completed courses that are equivalent to the four BSW course pre-requisites:~~

Students applying to the School of Social Work will have completed the following four BSW course prerequisites:

SOCW 200-3	Introduction to Social Work Practice
SOCW 201-3	Introduction to Social Welfare
FNST 100-3	The Aboriginal Peoples of Canada
WMST 100-3	Introduction to Women's Studies

Students applying to the School of Social Work with a Baccalaureate degree in a related discipline do not have to complete the four BSW course prerequisites.

Students admitted to the Bachelor of Social Work program are required to withdraw from the Bachelor of Social Work program if they register a second fail in Social Work Field Education (SOCW 302-6 and/or SOCW 402-15).

~~Students outside one of the specializations are required to select 15 credit hours of Social Work electives.~~

The minimum requirement for a Bachelor of Social Work is 120 credit hours.

## Transfer Credit

All transfer credit for course work taken prior to admission to the BSW program will be evaluated, and applied at the time of initial registration in the program. After students have been admitted to the School of Social Work, course work taken in other institutions for transfer credit towards the degree requires a letter of permission prior to the registration in the course.

## Program Requirements

### ~~Lower Division Requirement~~

#### ~~100 and 200 Level~~

<del>SOCW 200-3</del>	<del>Introduction to Social Work Practice</del>
<del>SOCW 201-3</del>	<del>Introduction to Social Welfare</del>
<del>FNST 100-3</del>	<del>The Aboriginal Peoples of Canada</del>
<del>WMST 100-3</del>	<del>Introduction to Women's Studies</del>

### ~~Upper Division Requirement~~

300 Level  
 SOCW 300-3 Social Work Communication Skills  
 SOCW 301-3 Critical Social Work Practice  
 SOCW 302-6 Social Work Field Education  
 SOCW 310-3 First Nations Social Work Issues  
 SOCW 320-3 Critical Social Policy  
 SOCW 330-3 Social Work Research/Policy/Practice  
 SOCW 336-3 Social Work Philosophy and Ethics

400 Level  
 SOCW 401-3 Northern/Remote Social Work Practice  
 SOCW 402-15 Social Work Field Education 2  
 SOCW 420-3 Family/Child Welfare Policy  
 SOCW 421-3\* ~~Human Growth and Development~~

~~\* Please see note on SOCW 421-3 in the course description listings in this calendar.  
 SOCW 421-3 Human Growth and Development~~

Students must select 12 credit hours of 400-Level Social Work courses from the approved list.  
~~Elective Courses~~

~~Fifteen (15) credit hours of Social Work electives. The elective courses are numbered in the 400 ranges, but may be taken by students enrolled in their third or fourth year of studies.~~

Approved 400-Level Social Work Course List

SOCW 422-3 Child Welfare Practice  
 SOCW 424-3 Child Welfare/Sites of Resistance  
 SOCW 426-3 Current Issues in Child Welfare Practice  
 SOCW 432-3 Unemployment and Social Work  
 SOCW 433-3 Women in the Human Services  
 SOCW 435-3 Community Social Policy  
 SOCW 437-3 Social Work with Groups and Communities  
 SOCW 438-3 Comparative Welfare Analysis  
 SOCW 439-3 Social Work/Law and the Justice System  
 SOCW 440-3 Social Work in Mental Health  
 SOCW 441-3 Social Work and Substance Abuse  
 SOCW 442-3 Social Work with Victims of Abuse  
 SOCW 443-3 Medical Social Work  
 SOCW 444-3 Social Work Critical Issues in Aging  
 SOCW 445-3 Social Work and Cross-Cultural Practice  
 SOCW 448-3 Inequality and Income Security  
 SOCW 449-3 Gender and Sexuality  
 SOCW 450-3 Social Work and Family Practice  
 SOCW 452-3 Social Work/Crisis Intervention  
 SOCW 454-3 Disability Issues  
 SOCW 455-3 First Nations Governance and Social Policy  
 SOCW 456-3 Family Caring Systems  
 SOCW 457-3 Individual and Community Wellness

SOCW 498-(3-6) Special Topics  
SOCW 499-3 Directed Readings

### Elective Requirement

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

### BSW: Child Welfare Specialization

The Child Welfare Specialization is designed to provide a program of studies that prepares students for practice in child welfare, while also satisfying the general practice criteria required for BSW accreditation and for designation as a Registered Social Worker (RSW).

Students must meet all prerequisites for entry into the BSW program at UNBC and be accepted into the school. The fourth-year practicum takes place in a government child welfare service (BC Ministry for Children and Families, or a fully delegated First Nations child welfare agency or an approved government agency in another province). Completion of the specialization is noted on the student's graduating transcript.

The Child Welfare Specialization is designed to provide a social work degree that prepares students for social work practice in all child and family serving agencies. In addition, the program is designed to meet the BC Ministry for Children and Families entry-level expectations for child protection positions.

### Program Requirement

SOCW 300-3	Communication Skills in Social Work Practice
SOCW 301-3	Critical Social Work Practice
SOCW 302-6	Social Work Field Education I
SOCW 310-3	First Nations Social Work Issues
SOCW 320-3	Critical Social Policy
SOCW 330-3	Social Work Research, Policy and Practice
SOCW 336-3	Social Work Philosophy and Ethics
SOCW 401-3	Northern and Remote Social Work Practice
SOCW 402-15	Social Work Field Education II
SOCW 420-3	Family/Child Welfare Policy
<del>SOCW 421-3*</del>	<del>Human Growth and Development</del>
<u>SOCW 421-3</u>	<u>Human Growth and Development</u>
SOCW 422-3	Child Welfare Practice
SOCW 426-3	Current Issues in Child Welfare Practice
SOCW 439-3	Social Work/Law and the Justice System

~~\*or equivalent~~

### ~~Elective Courses~~

~~One Social Work Elective.~~

Select one (1) Social Work Elective from the Approved List.

## Elective Requirement

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

### BSW: First Nations Specialization

The First Nations Specialization ~~is designed to provide~~ a program of ~~studies~~ study that prepares students for practice with First Nations people, while also satisfying the general practice criteria required for BSW accreditation and for designation as a Registered Social Worker (RSW).

Students must meet all prerequisites for entry into the BSW program at UNBC and be accepted into the school. The fourth-year practicum takes place with a First Nations organization.

Completion of the specialization is noted on the student's transcript.

### Program Requirement

SOCW 300-3	Communication Skills in Social Work Practice
SOCW 301-3	Critical Social Work Practice
SOCW 302-6	Social Work Field Education I
SOCW 310-3	First Nations Social Work Issues
SOCW 320-3	Critical Social Policy
SOCW 330-3	Social Work Research, Policy and Practice
SOCW 336-3	Social Work Philosophy and Ethics
SOCW 401-3	Northern and Remote Social Work Practice
SOCW 402-15	Social Work Field Education
<del>SOCW 421-3*</del>	<del>Human Growth and Development</del>
<u>SOCW 421-3</u>	<u>Human Growth and Development</u>
SOCW 455-3	First Nations Governance and Social Policy
SOCW 456-3	Family Caring Systems
SOCW 457-3	Individual and Community Wellness

### ~~Elective Courses~~

~~Any three upper division social work electives.~~

Select two Social Work Electives from the Approved List.

### Elective Requirement:

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

### **"For Information" Items:**

#### **SCAPP200912.29**

#### **Course Prerequisite Change — CHEM 302-3**

That the change(s) to the prerequisites for CHEM 302-3 be approved as proposed.

Effective date: September 2010

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]):

**CHEM 302-4 Environmental Chemistry I** This course examines the chemistry of the environment, including considerations of the physical processes in the air, soil and water and the influence, monitoring, and removal of pollutants from the environment.

Prerequisites: ~~CHEM 101-3, 121-4~~. At least 3 credit hours of chemistry at the second-year level or beyond. CHEM 200-3 is strongly recommended

**SCAPP200912.30**

**Change to Co-requisites — CHEM 400-3**

That the removal of the co-requisite for CHEM 400-3 Topics in Environmental Chemistry be approved as proposed.

Effective date: September 2010

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]):

**CHEM 400-3 Topics in Environmental Chemistry** This course considers advanced and selected topics in chemistry. Topics depend on instructor and student interest and normally focus on advanced material not dealt with in other courses. Note: Credit may be granted for both 400- and 600-level offerings of Topics in Chemistry courses, and either the 400- or 600-level offerings or a combination of both may be repeated to a maximum of 6 credit hours, provided the content of the independent offerings of the courses is sufficiently different (as determined by the Program Chair or College Dean).

Prerequisites: CHEM 302-4

~~Co-requisites: CHEM 408-3~~

**SCAPP200912.04**

**Course Preclusion Change — FNST 249-3**

That a change to the course preclusions for FNST 249-3 Aboriginal Resource Planning, on page 217 of the 2009/2010 undergraduate calendar, be approved as proposed.

Effective date: September 2010

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

This course is dDesigned for students who have an interest in First Nations and planning. ~~The course will~~ It develops students' research, writing and communication skills. Theis interdisciplinary course combines theory and practices from traditional land-use planning and First Nations practices and ideas concerning resource planning. Students ~~will~~ apply what they learn to issues of particular interest to First Nations in northern British Columbia.

Prerequisites: FNST 100-3

Precluded: ENPL 208-3

An Executive Summary of the proposed revisions to the Political Science Program curriculum was included for information.

**SCAPP200912.05**

**Course Prerequisite Change — POLS 372-3**

That the changes to the prerequisites for POLS 372-3 Theories of Justice be approved as proposed.

Effective date: May 2010

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]):

*Prerequisites:* upper division standing or permission of the instructor

**SCAPP200912.06**

**Course Title, Calendar Description, and Credit Hours Change — POLS 400-(3-6)**

That the changes to the course title, calendar description, and credit hours for POLS 400-(3-6) Classics in Political Theory, on page 253 of the 2009/2010 undergraduate calendar, be approved as proposed.

Effective date: May 2010

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]):

**POLS 400-(3-6) Classics in Political Theory Philosophy** This course provides a close analysis of a classic treatise in political ~~theory~~ philosophy. Texts vary yearly. The course ~~maybe~~ may be repeated for a maximum of six credit hours with permission of the instructor.

**SCAPP200912.07**

**Course Description and Prerequisite Change — POLS 412-3**

That the changes to the course description and prerequisites for POLS 412-3 Comparative Aboriginal State Relations, on page 254 of the 2009/2010 undergraduate calendar be approved as proposed.

Effective date: May 2010

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]):

**POLS 412-3 Comparative Aboriginal State Relations A** This course is a comparative study of relations between modern states and aboriginal peoples, and the quest by aboriginal peoples for self-determination.

*Prerequisites:* ~~POLS 202-3 and upper division standing or permission of the instructor~~ 90 credit hours or permission of the instructor.

**SCAPP200912.09**

**Course Title and Description Change — POLS 472-3**

That the changes to the course title and course description for POLS 472-3 Contemporary Theories of Political Community on page 254 of the 2009/2010 undergraduate calendar be approved as proposed.

Effective date: May 2010

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]):

**POLS 472-3 ~~Contemporary Theories of Political Community~~ Seminar in Political Philosophy** A comparison of contemporary philosophical approaches to the basic questions of politics: Who are we and how should we live together? This is a participatory seminar in which students are guided through the process of conducting a research project in political philosophy. Topics are chosen according to students' interests.

**SCAPP200912.13**

**Course Description Change — SOCW 402-15**

That the changes to the calendar course description for SOCW 402-15 Social Work Field Education 2 be approved as proposed.

Effective date: January 2010

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]):

**SOCW 402-15 Social Work Field Education 2**

This field placement requires students to perform in a social work role or organizational setting five days per week through the entire term. Field education ~~will~~ provides undergraduate students with an opportunity to enhance and refine their social work skills. As much as possible, the assigned field education setting will broadly match the particular type of social work experience that the student wishes to pursue. The course includes ~~four~~ three one-day seminars as part of the field education placement.

Prerequisites: all 100, 200, and 300 level requirements, SOCW 401-3, enrollment limited to students admitted to the Social Work program

**SCAPP200912.35**

**New Course Approval — XPRJ 100-1**

That, on the recommendation of the SCAPP and SCRGS Continuing Studies Credit Committee, SCAPP approve the new course Understanding the Essentials of Project Management XPRJ 100-1 as proposed.

Proposed Semester of First Offering: January 2010

**SCAPP200912.36**

**New Course Approval — XPRJ 120-3**

That, on the recommendation of the SCAPP and SCRGS Continuing Studies Credit Committee, SCAPP approve the new course Project Planning and Cost Management XPRJ 120-3 as proposed.

Proposed Semester of First Offering: January 2010

**SCAPP200912.37**

**New Course Approval — XPRJ 130-3**

That, on the recommendation of the SCAPP and SCRGS Continuing Studies Credit Committee, SCAPP approve the new course Managing with Microsoft Project XPRJ 130-3 as proposed.

Proposed Semester of First Offering: January 2010

**SCAPP200912.38**

**New Course Approval — XPRJ 140-2**

That, on the recommendation of the SCAPP and SCRGS Continuing Studies Credit Committee, SCAPP approve the new course Project Teams, Development and Communications XPRJ 140-2 as proposed.

Proposed Semester of First Offering: January 2010

**SCAPP200912.39**

**New Course Approval — XPRJ 150-3**

That, on the recommendation of the SCAPP and SCRGS Continuing Studies Credit Committee, SCAPP approve the new course Project Procurement, Quality and Closing XPRJ 150-3 as proposed.

Proposed Semester of First Offering: January 2010

**SCAPP200912.40**

**New Course Approval — XRSK 110-3**

That, on the recommendation of the SCAPP and SCRGS Continuing Studies Credit Committee, SCAPP approve the new course Risk Assessment XRSK 110-3 as proposed.

Proposed Semester of First Offering: January 2010

**SCAPP200912.41**

**New Course Approval — XRSK 112-3**

That, on the recommendation of the SCAPP and SCRGS Continuing Studies Credit Committee, SCAPP approve the new course Risk Control XRSK 112-3 as proposed.

Proposed Semester of First Offering: January 2010

**SCAPP200912.42**

**New Course Approval — XRSK 114-3**

That, on the recommendation of the SCAPP and SCRGS Continuing Studies Credit Committee, SCAPP approve the new course Risk Financing XRSK 114-3 as proposed.

Proposed Semester of First Offering: January 2010

**SCAPP200912.43**

**New Course Approval — XREL 120-3**

That, on the recommendation of the SCAPP and SCRGS Continuing Studies Credit Committee, SCAPP approve the new course Introduction to the Old Testament XREL 120-3 as proposed.

Proposed Semester of First Offering: January 2010

**SCAPP200912.44**

**New Course Approval — XREL 122-3**

That, on the recommendation of the SCAPP and SCRGS Continuing Studies Credit Committee, SCAPP approve the new course History of the Christian Church – The last 300 Years XREL 122-3 as proposed.

Proposed Semester of First Offering: January 2010

**SCAPP200912.46**

**New Course Approval — XREL 210-3**

That, on the recommendation of the SCAPP and SCRGS Continuing Studies Credit Committee, SCAPP approve the new course The Five Books of Moses XREL 210-3 as proposed.

Proposed Semester of First Offering: January 2010

**SCAPP200912.47**

**New Course Approval — XPHO 211-1**

That, on the recommendation of the SCAPP and SCRGS Continuing Studies Credit Committee, SCAPP approve the new course Photography Essentials: Advanced Photoshop Techniques XPHO 211-1 as proposed.

Proposed Semester of First Offering: January 2010

**7.2 Senate Committee on Research and Graduate Studies**

**“For Approval” Items:**

**S-201001.44**

**Change to Application Requirements — MEd Program, Counselling Specialization**

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the change to the Counselling Specialization in Education (MEd Program) application requirements on page 68 of the 2009/2010 graduate calendar be approved as proposed.

Effective date: January 2010

CARRIED (consent agenda).

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]):

### **Criminal Record Search and Resume**

In addition to the admission application requirements outlined in Section 1.0 of the [Graduate Admissions and Regulations](#), applicants are required to undergo a criminal record search and provide evidence of this prior to being considered for admission. Refer to [Graduate General Regulations and Policies](#).

Applicants are also required to submit a Curriculum Vitae or Resume that indicates the number of hours in each employment or volunteer position. A list of any scholarships or publications should also be included.

#### **S-201001.45**

##### **New Course Approval — FNST 795-3**

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the new course FNST 795-3 Research Seminar be approved as proposed.

Effective date: September 2010

CARRIED (consent agenda).

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

This course focuses on supporting students' ongoing work on their thesis. In particular, the course will identify and explain the various tasks that are typically involved in the development of a thesis; for example, design, implementation, analysis, interpretation and writing. Co-operative problem solving will be employed to assist students to develop their thesis plans.

**Prerequisites:** FNST 600 and FNST 602

**Preclusions:** EDUC 795-3 and HHSC 795-3

**Course Equivalencies:** EDUC 795-3 and HHSC 795-3

#### **"For Information" Items:**

An Executive Summary of the proposed revisions to the Political Science Program curriculum was included for information.

#### **SCRGS200912.15**

##### **Course Title, Description and Prerequisite Change — POLS 600-3**

That the changes to the course title, description and prerequisites for POLS 600-3 Classics in Political Theory on page 125 of the 2009/2010 graduate calendar be approved as proposed.

Effective date: May 2010

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]):

**POLS 600-3 Classics in Political Theory Philosophy** ~~A close analysis of classic treatise in political theory from antiquity to the present. Texts will vary on a yearly basis.~~ This course provides a close analysis of a classic treatise in political philosophy. Texts vary yearly.

~~Prerequisites: POLS 204-3, 300-3, or permission of instructor~~

**SCRGS200912.16**

**Course Description and Prerequisite Change — POLS 612-3**

That the changes to the course description and prerequisite for POLS 612-3 Comparative Aboriginal State Relations of page 125 of the 2009/2010 graduate calendar be approved as proposed.

Effective date: May 2010

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]):

**POLS 612-3 Comparative Aboriginal State Relations A** This course is a comparative study of relations between modern states and aboriginal peoples, and the quest by aboriginal peoples for self-determination.

~~Prerequisites: POLS 202-3 and upper division standing or permission of the instructor~~

**SCRGS200912.17**

**Course Description Change — POLS 613-3**

That the changes to the course description for POLS 613-3 Democracy, Citizenship and Human Rights

on page 125 of the 2009/2010 graduate calendar be approved as proposed.

Effective date: May 2010

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]):

**POLS 613-3 Democracy, Citizenship and Human Rights** ~~This course examines the relationship between citizenship, rights and democracy in contemporary states. Theoretical models are illustrated using case studies from Canada and around the globe.~~ The course examines key socio-political forces that are shaping democratic governance and challenging the traditional connection between rights and citizenship. Specific topics may include democracy and the secular-religious divide; human rights and the limits of toleration; the politics of ethno-nationalism and multiculturalism; human rights and human security; and the role of truth, amnesty and retribution in the reconciliation of historic injustices.

**SCRGS200912.18**

**Course Title and Description Change — POLS 672-3**

That the changes to the course title and description for POLS 672-3 Contemporary Theories of Political Community on page 125 of the 2009/2010 graduate calendar be approved as proposed.

Effective date: May 2010

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]):

**POLS 672-3 Contemporary Theories of Political Community Seminar in Political Philosophy** ~~A comparison of contemporary philosophical approaches to the basic questions of politics: Who are we and how should we live together?~~ This is a participatory seminar in which students are guided through the process of conducting a research project in political philosophy. Topics are chosen according to students' interests.

**“For Information” Items:****SCSB20091209.03****New Terms and Conditions — William Wilfred Kordyban Memorial Award for Cancer Service**

That the new Terms and Conditions for the William Wilfred Kordyban Memorial Award for Cancer Service be approved.

Proposed Start Date: January 2010

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]):

**Award Category:** In-course

**Award Name:** William Wilfred Kordyban Memorial Award for Cancer Service

**Calendar Description/Intent:** The Mary Kordyban Foundation believes passionately that volunteers are an important part of providing dignified cancer care locally. This award recognizes those students who are making life better for people who have cancer and their families.

**Donor:** The Mary Kordyban Foundation

**Value:** \$500 (or the nearest multiple of \$100 depending on interest earned)

**Number:** One

**Placement in which Calendar:** Undergraduate

**Award Type:** Award

**Eligibility:** Available to a full or part time undergraduate student studying at the Prince George campus who has completed 60 credit hours. First preference will be given to a nursing student.

**Criteria:** Satisfactory academic standing.

**Conditions:** Student recipient must currently be providing voluntary service to cancer care while attending UNBC.

**Application Instructions:** Fill out all sections of the Awards Application form and attach a letter outlining your volunteer service.

**Effective Date:** Endowed 2009

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

**REGULAR AGENDA****8.0 Committee Reports****8.1 Senate Committee on Academic Policy and Planning (SCAPP)****Dale****8.1.1 SCAPP Motions Removed from Consent Agenda for Approval of Senate****S-201001.10****Course Prefix, Description and Prerequisite Changes — CHEM 306-3**

Hyndman / McGill

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the changes to the course prefix, course description, and prerequisites for CHEM 306-3 be approved as proposed.

Effective date: September 2010

A Senator suggested that the word “that” should be removed from the first sentence of the calendar description for this course.

CARRIED, with the removal of the word “that” from the first sentence of the calendar course description.

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]):

**CHEM BCMB 306-3 Intermediary Metabolism.** This lecture-based course ~~emphasizing that emphasizes~~ the importance of biochemical pathways and macromolecules in physiological systems. The goal of the course is to impart an understanding of metabolism on a cellular scale and the macroscopic implications of impairments in the metabolic pathways. Topics include the metabolism of amino acids, lipids, carbohydrates, nucleotides and how these pathways are interrelated at tissue and organ levels.

Prerequisites: CHEM 204-3 Minimum Grade of C  
Precluded: CHEM 306-3

### **S-201001.16**

#### **Change to Program Requirements — Major in Chemistry**

McGill / Jensen

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the change to the Program Requirements for a Major in Chemistry be approved as proposed.

Effective date: September 2010

A question was raised with regard to the statement added to the calendar description, that "a maximum of three credit hours from Continuing Studies may be used towards the elective credits." A Senator asked whether there was a policy on limiting the number of Continuing Studies courses that could be taken for credit. The Provost responded that there was not, but suggested that perhaps one was needed. Another Senator stated that she had a concern with limiting the number of Continuing Studies courses that could be used as elective credits, as students could transfer any number of courses from other institutions and receive credit for them, essentially putting students taking courses through Continuing Studies at UNBC at a disadvantage. The Senator added that she had discussed this matter with the Director of Continuing Studies and that they may have a solution. Dr. Mandy, representing the Program putting this motion forward, indicated that an external review of the Chemistry Program had recently been completed, that changes to their curricula would be made as a result, and that she would be fully prepared to revisit this matter at that time. The Senator who had asked whether there was a policy responded that he was in favour of passing this motion at this time, but was disappointed no policy was in place. Another Senator asked whether, if any policy that might be developed in the future conflicts with current calendar entries, the Programs would be required to make revisions to conform to the policy. The Provost responded that they would not be forced to make revisions, but would be encouraged to revise their calendar text to conform to the policy.

CARRIED.

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

### **Major in Chemistry**

The major in Chemistry requires students to take at least 64 credit hours of Chemistry, 36 credit hours of which must be upper division (i.e., 300 or 400 level).

The minimum requirement for completion of a Bachelor of Science with a major in Chemistry is 128 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

CPSC 100-4 Computer Programming I  
or CPSC 110-3 Introduction to Computer Systems and  
Programming

MATH 100-3 Calculus I  
or MATH 105-3 Enriched Calculus

MATH 101-3 Calculus II  
PHYS 100-4 Introduction to Physics I  
or PHYS 110-4 Introductory Physics I: Mechanics

#### 200 Level

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 204-3 Introductory Biochemistry  
CHEM 210-3 Analytical Chemistry I  
CHEM 250-1 Organic Chemistry Lab I  
CHEM 251-1 Organic Chemistry Lab II  
MATH 220-3 Linear Algebra

One of :

MATH 200-3 Calculus III

~~MATH 340-3 Introduction to Probability~~

~~MATH 342-3 Biostatistics~~

MATH 371-3 Probability and Statistics for Scientists and Engineers

### Upper-Division Requirement

#### 300 Level

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 315-3 Physical Chemistry Lab  
CHEM 320-3 Inorganic Chemistry II  
or CHEM 321-3 Inorganic Chemistry III  
CHEM 322-3 Inorganic Chemistry Lab

## 400 Level

CHEM 401-3 Chemistry Seminar  
CHEM 406-3 Advanced Laboratory I  
CHEM 407-3 Advanced Laboratory II

\*Nine credit hours of 300 or 400 level Chemistry.\*

\*Three credit hours of 400 level Chemistry.\*

Up to 6 credit hours from BCMB 306-3, BCMB 307-3, BCMB 308-3, BCMB 330-3, BCMB 340-3, BCMB 401-3, BCMB 402-3, BCMB 403-3, BCMB 405-3 BCMB 405-3 or BCMB 409-3 may be used to satisfy these requirements.

\*A minimum of four courses must be completed.

## Elective Requirement

Elective credit hours as necessary to ensure completion of a minimum of 128 credit hours. A maximum of three credit hours from Continuing Studies may be used towards the elective credits. A total of 54 credit hours of upper-division study (300- and 400-level courses) must be successfully completed to meet degree requirements.

### **SCAPP200912.08**

#### **Course Title and Description Change — POLS 413-3**

That the changes to the course title and course description for POLS 413-3 Democracy and Human Rights, on page 254 of the 2009/2010 undergraduate calendar be approved as proposed. Effective date: May 2010

A Senator asked a question about this course that was answered in the meeting. No further action was taken and no motion was required as a result of the motion being only for the information of Senate and therefore not requiring approval.

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]):

**POLS 413-3 Democracy, Citizenship and Human Rights** ~~A comparative examination of political transformation with a focus on prospects for more democratic systems, links between economic change and political change and differing conceptions of human rights. Case studies will be drawn from various countries.~~ This course examines key socio-political forces that are shaping democratic governance and challenging the traditional connection between rights and citizenship. Specific topics may include democracy and the secular-religious divide; human rights and the limits of toleration; the politics of ethno-nationalism and multiculturalism; human rights and human security; and the role of truth, amnesty and retribution in the reconciliation of historic injustices.

### **SCAPP200912.45**

#### **New Course Approval — XREL 112-3**

That, on the recommendation of the SCAPP and SCRGS Continuing Studies Credit Committee, SCAPP approve the new course History of the Christian Church – The First 1700 Years XREL 112-3 as proposed.

Proposed Semester of First Offering: January 2010

A Senator commented that these XREL courses were virtually restricted to the topic of Christianity, and encouraged Continuing Studies to broaden the course content to include other forms of religious study. No motion was required as a result of the motion being only for the information of Senate and therefore not requiring approval.

### 8.1.2 SCAPP Motions for Approval of Senate

#### **S-201001.46**

#### **Change in Designation of Psychology Program to Psychology Department**

Donker / Ellis

That, on the recommendation of the Senate Committee on Academic Policy and Planning, the change in designation of the Psychology Program to Psychology Department on pages 168 and 169 of the 2009/2010 undergraduate calendar be approved as proposed.

Effective date: January 2010

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]):

## Psychology (BSc Program)

Paul Siakaluk, Assistant Professor, and Acting ~~Program~~ Department Chair

Han Li, Professor

Kenneth Prkachin, Professor

Robert Tait, Professor

Sherry Beaumont, Associate Professor

Cindy Hardy, Associate Professor

Henry ~~Hardy~~ Harder, Associate Professor

Glenda Prkachin, Associate Professor

Lorraine Lavallee, Assistant Professor

William Tippett, Assistant Professor

Kyle Matsuba, Adjunct Professor

Elizabeth Rocha, Adjunct Professor

Julie Orlando, Senior Lab Instructor

Website: [www.unbc.ca/psychology](http://www.unbc.ca/psychology)

Psychology is the study of behaviour and mental processes. It focuses on fundamental mechanisms and processes that regulate the behaviour of organisms. The goal of the Psychology ~~program~~ Department at UNBC is to provide advanced knowledge in the substantive areas of psychology to students in the north, with special emphasis on areas of particular need and relevance to the region, especially applications of psychology to the understanding of human social and health problems. In addition, the ~~program~~ Department will provide training adequate to ensure students' competitiveness for advanced graduate study in psychology.

## Major in Psychology

Undergraduate students are required to take 17 psychology courses (53 credit hours). Of these, at least 12 (38 credit hours) must be upper-division courses.

The minimum requirement for completion of a Bachelor of Science with a major in Psychology is 122 credit hours.

## Program Requirements

### Lower Division Requirement

100 and 200 Level

CPSC 150-3 Computer Applications

PSYC 101-3 Psychology as a Science

PSYC 102-3 Psychology and Human Problems

PSYC 215-3 Research Design and Methodology in Psychology I

Two additional Psychology 200-level courses

Note: It is strongly recommended that students planning to major in Psychology select at least one elective course in mathematics and one in biology within the first two years.

## Upper Division Requirement

300 and 400 Level

PSYC 315-4 Design and Analysis of Psychological Research I

PSYC 316-4 Design and Analysis of Psychological Research II

Two of:

PSYC 307-3 Motivation and Emotion

PSYC 317-3 ~~Psychobiology~~ Psychobiology

PSYC 318-3 Sensation and Perception

PSYC 320-3 The Psychology of Learning

PSYC 330-3 Cognition

Two of:

PSYC 301-3 Social Psychology

PSYC 303-3 Introduction to Abnormal Psychology

PSYC 306-3 Theories of Personality

PSYC 309-3 Introduction to Health Psychology

PSYC 345-3 Lifespan Development

One of:

PSYC 442-3 Methods in Developmental Psychology

PSYC 445-3 Methods in Perception and Psychophysics

PSYC 450-3 Tests and Measures

PSYC 455-3 Methods in Social Psychology

PSYC 460-3 Methods in Cognitive Psychology

PSYC 470-3 Psychophysiology

PSYC 475-3 The Evaluation of Social Programs

PSYC 480-3 Critical Analysis in Psychology and the Health Sciences

PSYC 485-3 Current Topics in Psychological Research

Fifteen credit hours of 300- or 400-level Psychology courses.

## Elective Requirement

Electives at any level in any subject sufficient to ensure completion of a minimum of 122 credit hours.

## BSc Honours - Psychology

Honours students are required to complete 122 credit hours. Students must successfully complete the 56 credit hours for the Psychology BSc program, 54 credit hours of electives and 12 credit hours from the courses listed below.

PSYC 490-3 Honours Thesis I

PSYC 495-3 Honours Thesis II

PSYC 497-3 Senior Seminar

One additional 400-level course

Each student will complete a thesis project [PSYC 490-3 (Honours Thesis I), PSYC 495-3 (Honours Thesis II)] under the supervision of a faculty member. Admission to the honours program will take place after the end of the second year (i.e., upon completion of 60 credit hours) and will require a minimum CGPA of 3.33. Attaining the minimum requirement will not guarantee admission to the honours program, which will be at the discretion of the ~~Program~~ Department. To remain in the honours program, students must maintain ~~requires the maintenance of~~ a minimum CGPA of 3.33.

The minimum requirement for completion of a BSc Honours - Psychology is 122 credit hours.

### 8.2 Senate Committee on Research and Graduate Studies (SCRGS)

Fondahl

#### 8.2.1 SCRGS Motions Removed from Consent Agenda for Approval of Senate

At the request of Senators, motion S-201001.47 (agenda item 8.2.2, New Program Approval — MSc in Business Administration) was dealt with prior to motions S-201001.25 to S-201001.43.

Motions S-201001.25 to S-201001.43 were moved as an omnibus motion.

**S-201001.25**

**New Course Approval — COMM 616-3**

McGill / Hartley

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the new course COMM 616-3 Accounting Research 1 be approved as proposed.

Proposed semester of first offering: September 2010

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 reviews and critiques research methods, analysis, and strategies within a specialized area of accounting drawing upon faculty expertise. The course is delivered by individual faculty members in the accounting area on a revolving basis drawing on their active program of accounting research.

**Preclusions:            COMM 416-3 (Advanced Topics in Accounting 1)**

**S-201001.26**

**New Course Approval — COMM 617-3**

McGill / Hartley

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the new course COMM 617-3 Accounting Research 2 be approved as proposed.

Proposed semester of first offering: September 2010

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 reviews and critiques research methods, analysis, and strategies within a specialized area of accounting drawing upon faculty expertise. The course is delivered by individual faculty members in the accounting area on a revolving basis drawing on their active program of accounting research.

**Preclusions:            COMM 417-3 (Advanced Topics in Accounting 2)**

**S-201001.27**

**New Course Approval — COMM 618-3**

McGill / Hartley

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the new course COMM 618-3 Accounting Research 3 be approved as proposed.

Proposed semester of first offering: September 2010

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 reviews and critiques research methods, analysis, and strategies within a specialized area of accounting drawing upon faculty expertise. The course is delivered by individual faculty members in the accounting area on a revolving basis drawing on their active program of accounting research.

**Preclusions:            COMM 418-3 (Advanced Topics in Accounting 3)**

**S-201001.28**

**New Course Approval — COMM 626-3**

McGill / Hartley

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the new course COMM 626-3 Finance Research 1 be approved as proposed.

Proposed semester of first offering: September 2010

CARRIED.

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

This course reviews and critiques research methods, analysis, and strategies within a specialized area of finance drawing upon faculty expertise. The course is delivered by individual faculty members in the finance area on a revolving basis drawing on their active program of finance research.

**Preclusions:            COMM 426-3 (Advanced Topics in Finance 1)**

**S-201001.29**

**New Course Approval — COMM 627-3**

McGill / Hartley

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the new course COMM 627-3 Finance Research 2 be approved as proposed.

Proposed semester of first offering: September 2010

CARRIED.

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

This course reviews and critiques research methods, analysis, and strategies within a specialized area of finance drawing upon faculty expertise. The course is delivered by individual faculty members in the finance area on a revolving basis drawing on their active program of finance research.

**Preclusions:            COMM 427-3 (Advanced Topics in Finance 2)**

**S-201001.30**

**New Course Approval — COMM 628-3**

McGill / Hartley

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the new course COMM 628-3 Finance Research 3 be approved as proposed.

Proposed semester of first offering: September 2010

CARRIED.

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

This course reviews and critiques research methods, analysis, and strategies within a specialized area of finance drawing upon faculty expertise. The course is delivered by individual faculty members in the finance area on a revolving basis drawing on their active program of finance research.

**Preclusions:            COMM 428-3 (Advanced Topics in Finance 3)**

**S-201001.31**

**New Course Approval — COMM 637-3**

McGill / Hartley

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the new course COMM 637-3 Research in Human Resources Management/Organization Behaviour 1 be approved as proposed.

Proposed semester of first offering: September 2010

CARRIED.

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

This course reviews and critiques research methods, analysis, and strategies within a specialized area of human resources management and organization behaviour drawing upon faculty expertise. The course is delivered by individual faculty members on a revolving basis, drawing on their active program of research.

**Preclusions:** COMM 437-3 (Advanced Topics in Human Resources Management and Organization Behaviour 1)

**S-201001.32**

**New Course Approval — COMM 638-3**

McGill / Hartley

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the new course COMM 638-3 Research in Human Resources Management/Organization Behaviour 2 be approved as proposed.

Proposed semester of first offering: September 2010

CARRIED.

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

This course reviews and critiques research methods, analysis, and strategies within a specialized area of human resources management and organization behaviour drawing upon faculty expertise. The course is delivered by individual faculty members on a revolving basis, drawing on their active program of research.

**Preclusions:** COMM 438-3 (Advanced Topics in Human Resources Management and Organization Behaviour 2)

**S-201001.33**

**New Course Approval — COMM 639-3**

McGill / Hartley

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the new course COMM 639-3 Research in Human Resources Management/Organization Behaviour 3 be approved as proposed.

Proposed semester of first offering: September 2010

CARRIED.

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

This course reviews and critiques research methods, analysis, and strategies within a specialized area of human resources management and organization behaviour drawing upon faculty expertise. The course is delivered by individual faculty members on a revolving basis, drawing on their active program of research.

**Preclusions: COMM 439-3 (Advanced Topics in Human Resources Management and Organization Behaviour 3)**

**S-201001.34**

**New Course Approval — COMM 646-3**

McGill / Hartley

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the new course COMM 646-3 Marketing Research 1 be approved as proposed.

Proposed semester of first offering: September 2010

CARRIED.

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

This course reviews and critiques research methods, analysis, and strategies within a specialized area of marketing drawing upon faculty expertise. The course is delivered by individual faculty members in the marketing area on a revolving basis drawing on their active program of marketing research.

**Preclusions: COMM 446-3 (Advanced Topics in Marketing 1)**

**S-201001.35**

**New Course Approval — COMM 647-3**

McGill / Hartley

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the new course COMM 647-3 Marketing Research 2 be approved as proposed.

Proposed semester of first offering: September 2010

CARRIED.

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

This course reviews and critiques research methods, analysis, and strategies within a specialized area of marketing drawing upon faculty expertise. The course is delivered by individual faculty members in the marketing area on a revolving basis drawing on their active program of marketing research.

**Preclusions: COMM 447-3 (Advanced Topics in Marketing 2)**

**S-201001.36**

**New Course Approval — COMM 648-3**

McGill / Hartley

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the new course COMM 648-3 Marketing Research 3 be approved as proposed.

Proposed semester of first offering: September 2010

CARRIED.

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

This course reviews and critiques research methods, analysis, and strategies within a specialized area of marketing drawing upon faculty expertise. The course is delivered by individual faculty members in the marketing area on a revolving basis drawing on their active program of marketing research.

**Preclusions: COMM 448-3 (Advanced Topics in Marketing 3)**

**S-201001.37**

**New Course Approval — COMM 656-3**

McGill / Hartley

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the new course COMM 656-3 Research in Operations Management/International Business 1 be approved as proposed.

Proposed semester of first offering: September 2010

CARRIED.

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

This course reviews and critiques research methods, analysis, and strategies within a specialized area of operations management and international business drawing upon faculty expertise. The course is delivered by individual faculty members on a revolving basis, drawing on their active program of research.

**Preclusions:** COMM 456-3 (Advanced Topics in Operations Management and International Business 1)

**S-201001.38**

**New Course Approval — COMM 657-3**

McGill / Hartley

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the new course COMM 657-3 Research in Operations Management/International Business 2 be approved as proposed.

Proposed semester of first offering: September 2010

CARRIED.

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

This course reviews and critiques research methods, analysis, and strategies within a specialized area of operations management and international business drawing upon faculty expertise. The course is delivered by individual faculty members on a revolving basis, drawing on their active program of research.

**Preclusions:** COMM 457-3 (Advanced Topics in Operations Management and International Business 2)

**S-201001.39**

**New Course Approval — COMM 658-3**

McGill / Hartley

That, on the recommendation of the Senate Committee on Research and Graduate Studies, that the new course COMM 658-3 Research in Operations Management/International Business 3 be approved as proposed.

Proposed semester of first offering: September 2010

CARRIED.

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

This course reviews and critiques research methods, analysis, and strategies within a specialized area of operations management and international business drawing upon faculty expertise. The course is delivered by individual faculty members on a revolving basis, drawing on their active program of research.

**Preclusions: COMM 458-3 (Advanced Topics in Operations Management and International Business 3)**

**S-201001.40**

**New Course Approval — COMM 662-3**

McGill / Hartley

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the new course COMM 662-3 Research Methodology be approved as proposed.

Proposed semester of first offering: September 2010

CARRIED.

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

This course emphasizes the development and implementation of the quantitative and qualitative research designs most frequently used in applied and field settings, including case studies, archival research, experimental and quasi-experimental designs, survey research, and observational research. The topic of research ethics is also covered in this course.

**S-201001.41**

**New Course Approval — COMM 760-3**

McGill / Hartley

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the new course COMM 760-3 Seminar in Business Administration be approved as proposed.

Proposed semester of first offering: September 2010

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 includes a basic introduction to scholarship in business and reviews the current state of theory, research, and practice across the range of topics in business administration. Faculty members within specialized areas of business administration (accounting, finance, human resources management/organizational behaviour, marketing, operations management/international business) present 2 - 3 week modules in their areas of specialization.

**S-201001.42**

**New Course Approval — COMM 762-(3,6)**

McGill / Hartley

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the new course COMM 762-(3,6) Independent Research in Business Administration be approved as proposed.

Proposed semester of first offering: September 2010

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]):

Working individually or in a small group, students conduct research under the supervision of a faculty member within a specialized area of business administration. Students normally complete six credit hours of this course.

**Prerequisites: COMM 662 and COMM 760, or permission of the instructor.**

**S-201001.43**

**New Course Approval — COMM 763-12**

McGill / Hartley

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the new course COMM 763-12 Master's Thesis be approved as proposed.

Proposed semester of first offering: September 2010

CARRIED.

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

Designed and executed by the student, the MSc thesis involves an original empirical investigation in the chosen specialized area of business administration.

Prerequisites: COMM 661, COMM 662, and COMM 760

**8.2.2** SCRGS Motions for Approval of Senate:

An Executive Summary of the proposed new MSc in Business Administration curriculum was included for information.

**S-201001.47**

**New Program Approval — MSc in Business Administration**

McGill / Ellis

That, on the recommendation of the Senate Committee on Research and Graduate Studies, the new Master of Science in Business Administration be approved as proposed.

Proposed Start Date: September 2010

A Senator asked why this program was being proposed as an MSc rather than an MA degree, and whether additional resources would be required to mount this degree. A Senator from the School of Business responded that, although the MBA degree is the predominant degree in Business Administration, it is not a research-based degree, and that most universities offering a research-based Master's level degree in Business Administration offer an MSc degree. He added that MSc degrees are growing across Canada, as they allow students to concentrate in one area of business. With regard to resources, the representative responded that the School is anticipating a maximum of five to ten students enrolling in the degree, so any courses without students enrolled in them would not be offered. The Chair of the School of Business added that resource allocations would be reviewed to ensure efficiency.

CARRIED.

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

**Commerce (MSc Program)**

Jalil Safaei Boroojeny, Associate Professor

Paul Bowles, Professor

Jing Chen, Assistant Professor

Sungchul Choi, Associate Professor

Elizabeth Croft, Assistant Professor

Steven Cronshaw, Professor

Ajit Dayanandan, Assistant Professor

Balbinder Deo, Associate Professor

Han Donker, Associate Professor, and Program Chair

Robert Ellis, Professor

Xin Ge, Assistant Professor  
Waqar Haque, Professor  
Kevin Keen, Associate Professor  
Pranesh Kumar, Professor  
Fiona MacPhail, Associate Professor  
Alex Ng, Assistant Professor  
Pei Shao, Assistant Professor  
Lloyd Spurrell, Associate Professor  
Rick Tallman, Associate Professor  
Baotai Wang, Assistant Professor

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

The goal of the MSc Program in Business Administration is to educate and train business professionals with advanced research skills and extensive knowledge in a specialized area, e.g., accounting, finance, human resources management/organizational behaviour, marketing, operations management/international business. These individuals meet a growing need in Northern British Columbia and beyond for professional skills in establishing, expanding, and managing all types of business enterprises that have long-term sustainability and contribute to the economic growth and vitality of the North and the country at large. The students in the program come from a wide variety of backgrounds, including business, resource development, mathematics, and the social sciences. The MSc is a research-based degree with a thesis and is different from the MBA degree which is a terminal and course-based degree. The MSc in Business Administration is normally completed in two years.

**Admissions:** To be eligible for admission, students are required to have an acceptable academic standing, i.e., a grade point average of at least 3.00 ("B") in the work of the last 60 credit hours, in a four-year (120 credit hours) baccalaureate degree or equivalent from a recognized institution. The MSc in Business Administration requires students to complete graduate-level courses in statistical and research methods that in turn are grounded in undergraduate-level preparation in mathematics and statistics. Accordingly, all students admitted to the MSc in Business Administration must have sufficient preparation in mathematics and statistics equivalent to the BComm degree at UNBC. Students without the necessary undergraduate preparation are required to complete these mathematics and statistics requirements before they are admitted to the MSc Program in Business Administration. Additionally, students applying to the MSc in Business Administration who hold an undergraduate degree other than the Bachelor of Commerce must have background preparation in their chosen area of MSc specialization (e.g., accounting, finance) equivalent to that obtained through the BComm degree. Students without the necessary undergraduate preparation in their intended specialty area must make up this requirement through undergraduate course work before they are admitted to the MSc in Business Administration. Both sets of requirements (i.e., mathematics/statistics and content specialization in business) may be completed as part of a

Pre-Entry Program for Admission to Graduate Studies, as set out by the Business Graduate Studies Committee and as approved by the Dean of Graduate Programs. The Business Graduate Studies Committee may recommend a conditional offer of admission contingent on completion of additional preparatory courses, but graduate courses within the MSc Program must not be started until the pre-entry course work is completed

Within the MSc Program students study and research topics in one of the specialized areas of Accounting, Finance, Human Resources Management/Organizational Behaviour, Marketing, or Operations Management/International Business. Applicants to the MSc Program must apply to one of the specialized areas within the program and the area faculty will evaluate applications against the background preparation considered necessary for specialized study within the area. Students may apply to other areas of the Business program if their area of first choice is not available.

**Application deadlines are found in this calendar under "Semester Dates" or online at: [www.unbc.ca/calendar/graduate](http://www.unbc.ca/calendar/graduate), also under "Semester Dates."** The MSc Program in Business Administration accepts students for the September Semester.

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

## Requirements

In first year, the course of study comprises 15 credit hours of courses to provide research knowledge and skills as well as substantive knowledge within a specialized area of concentration in business administration. In second year, the course of study comprises 21 credit hours of courses to provide additional substantive depth in the area of specialized concentration, research in business administration to apply and refine research skills, and a Master's Thesis representing an original empirical investigation in the chosen specialized area of business administration.

### Required Courses for the First Year

COMM 760-3 Seminar in Business Administration (3 credits)

COMM 662-3 Research Methodology or equivalent (3 credits)

One course from the following MSc ResearchTopics courses (3 credits)

Accounting Research 1 (616-3)

Accounting Research 2 (617-3)

Accounting Research 3 (618-3)

Finance Research 1 (626-3)

Finance Research 2 (627-3)

Finance Research 3 (628-3)

Research in Human Resources Management/Organization  
Behaviour 1 (637-3)  
Research in Human Resources Management/Organization  
Behaviour 2 (638-3)  
Research in Human Resources Management/Organization  
Behaviour 3 (639-3)  
Marketing Research 1 (646-3)  
Marketing Research 2 (647-3)  
Marketing Research 3 (648-3)  
Research in Operations Management/International Business 1  
(656-3)  
Research in Operations Management/International Business 2  
(657-3)  
Research in Operations Management/International Business 3  
(658-3)

### **Required Courses for the Second Year**

One course from the following MSc Research Topics Courses (3 credits)

Accounting Research 1 (616-3)  
Accounting Research 2 (617-3)  
Accounting Research 3 (618-3)  
Finance Research 1 (626-3)  
Finance Research 2 (627-3)  
Finance Research 3 (628-3)  
Research in Human Resources Management/Organization  
Behaviour 1 (637-3)  
Research in Human Resources Management/Organization  
Behaviour 2 (638-3)  
Research in Human Resources Management/Organization  
Behaviour 3 (639-3)  
Marketing Research 1 (646-3)  
Marketing Research 2 (647-3)  
Marketing Research 3 (648-3)  
Research in Operations Management/International Business 1  
(656-3)  
Research in Operations Management/International Business 2  
(657-3)  
Research in Operations Management/International Business 3  
(658-3)  
COMM 762-(3-6) Independent Research in Business Administration  
(6 credits)  
COMM 763-12 Master's Thesis (12 credits)

### **Additional Required Courses (taken in either first or second year)**

MATH 671-3 Linear Models (3 credits)  
MATH 675-3 Methods for Multivariate Data (3 credits)

## Requirements

In first year, the course of study comprises 15 credit hours of courses to provide research knowledge and skills as well as substantive knowledge within a specialized area of concentration in business administration. In second year, the course of study comprises 21 credit hours of courses to provide additional substantive depth in the area of specialized concentration, research in business administration to apply and refine research skills, and a Master's Thesis representing an original empirical investigation in the chosen specialized area of business administration. Appendix A contains a detailed rationale and description of the course offerings and sequence for the MSc in Business Administration.

### Required Courses for the First Year

COMM 760-3 Seminar in Business Administration (3 credits)

COMM 662-3 Research Methodology or equivalent (3 credits)

One course from the following MSc Research Topics courses (3 credits)

Accounting Research 1 (616-3)

Accounting Research 2 (617-3)

Accounting Research 3 (618-3)

Finance Research 1 (626-3)

Finance Research 2 (627-3)

Finance Research 3 (628-3)

Research in Human Resources Management/Organization Behaviour 1 (637-3)

Research in Human Resources Management/Organization Behaviour 2 (638-3)

Research in Human Resources Management/Organization Behaviour 3 (639-3)

Marketing Research 1 (646-3)

Marketing Research 2 (647-3)

Marketing Research 3 (648-3)

Research in Operations Management/International Business 1 (656-3)

Research in Operations Management/International Business 2 (657-3)

Research in Operations Management/International Business 3 (658-3)

### Required Courses for the Second Year

One course from the following MSc Research Topics Courses (3 credits)

Accounting Research 1 (616-3)

Accounting Research 2 (617-3)

Accounting Research 3 (618-3)

Finance Research 1 (626-3)

Finance Research 2 (627-3)

Finance Research 3 (628-3)

Research in Human Resources Management/Organization Behaviour 1 (637-3)

Research in Human Resources Management/Organization Behaviour 2 (638-3)

Research in Human Resources Management/Organization Behaviour 3

(639-3)  
Marketing Research 1 (646-3)  
Marketing Research 2 (647-3)  
Marketing Research 3 (648-3)  
Research in Operations Management/International Business 1 (656-3)  
Research in Operations Management/International Business 2 (657-3)  
Research in Operations Management/International Business 3 (658-3)  
COMM 762-(3-6) Independent Research in Business Administration (6 credits)  
COMM 763-12 Master's Thesis (12 credits)

**Additional Required Courses (taken in either first or second year)**

MATH 671-3 Linear Models (3 credits)  
MATH 675-3 Methods for Multivariate Data (3 credits)

**S-201001.48**

**Deletion of University Gold Medals**

Wagner / Jeffery

That, on the recommendation of the Senate Committee on Research and Graduate Studies, Senate delete University Gold Medals.

Effective Date: January 2010

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]):

**4.7 Graduation Awards**

~~University Gold Medals are awarded to the graduating graduate student in each graduate degree program who has the highest cumulative GPA in the graduating class of that degree program, provided that the student's cumulative GPA equals or exceeds the standard for academic excellence (which at the graduate level is 4.00).~~

- ~~• Master of Arts (MA)~~
- ~~• Master of Natural resources and Environmental Studies (MNRES)~~
- ~~• Master of Science in Nursing (MScN)~~
- ~~• Master of Social Work (MSW)~~
- ~~• Master of Education (MEd)~~
- ~~• Master of Science (MSc)~~
- ~~• Master of Business Administration (MBA)~~
- ~~• PhD~~

~~In the event of a tie, multiple awards are conferred.~~

**S-201001.49**

**Replacement of Regulation 4.8 (Graduation with Academic Distinction) with Academic Regulation 17 (Academic Distinction)**

Wagner / Zahir

That, on the recommendation of the Senate Committee on Research and Graduate Studies, Senate remove Regulation 4.8 (Graduation with Academic Distinction) and replace it with new Academic Regulation 17 (Academic Distinction).

Effective Date: January 2010

Dean Hartley noted that the procedure for determining students who would be graduated with academic distinction would be that those who qualify for the Governor General's Gold Medal, but who are not awarded the medal, would be granted distinction. A Senator asked whether the distinction between a thesis grade of "clear pass" and "pass with minor revisions" would be clarified. A Senator responded that part of what was driving the large number of students receiving distinction was the policy that any grade below a B- is considered a failure for graduate students. The Senator also liked the fact that the committee would be evaluating the quality of a student's thesis rather than relying only on the student's GPA, which would also take into consideration the content of the thesis rather than simply whether the student received a "clear pass" or a pass with revisions. A Senator asked why graduate students cannot receive grades lower than B-, and suggested that this be discussed at a future meeting of Senate.

Finally, a Senator asked whether this proposed procedure applied only to thesis-based programs, and was advised that it would also apply to project- and course-based graduate programs.

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]):

#### ~~4.8 Graduation with Academic Distinction~~

##### ~~Summa Cum Laude~~

~~The designation Summa Cum Laude, meaning "with highest distinction," is awarded to graduates who have a cumulative graduate grade point average of 4.00 or higher, a "clear pass" on their thesis or dissertation, and support from their supervisory committee.~~

##### ~~Magna Cum Laude~~

~~The designation Magna Cum Laude, meaning "with great distinction," is awarded to graduates who have a cumulative grade point average of 4.00 or higher; a "pass with minor revisions" on their thesis or dissertation, and support from their supervisory committee. Students in a non-thesis program are eligible for this honour, if the Program in which they are registered has approved criteria for distinguishing levels of performance on the non-course requirements (e.g., a project, comprehensive examination, a practicum).~~

##### ~~Cum Laude~~

~~The designation Cum Laude, meaning "with distinction," is awarded to graduates who have a cumulative grade point average of 3.75 to 3.99, a "pass with minor revisions" on their thesis or dissertation, and support from their supervisory committee. Students in a non-thesis program are eligible for this honour, if the program in which they are registered has approved criteria for distinguishing levels of performance on the non-course requirements (e.g. a project, comprehensive examination, a practicum).~~

#### 17. Academic Distinction

Each year a very small number of students will be graduated with Distinction. Selection criteria take into account the student's overall academic record and, as appropriate, the quality of the thesis; and are applied by a Dean's Committee on Graduate Honours chaired by the Dean of Graduate Programs. Students do not apply for graduation with distinction.

...and on p. 133 of the 2009-2010 Graduate Calendar:

## Graduation Awards

Please see Academic regulations ~~4.17 (Graduation Awards Academic Distinction)~~ and ~~4.8 (Graduation with academic Distinction)~~ for a list of Graduation Awards.

### 8.3 Senate Committee on Scholarships and Bursaries (SCSB) Madak

#### 8.3.1 SCSB Motions Removed from Consent Agenda for Approval of Senate

No motions from the Senate Committee on Scholarships and Bursaries were moved to the regular agenda from the consent agenda.

### 8.4 Senate Committee on Nominations Reid

#### S-201001.50

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

Reid / Hyndman

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 appointed as proposed.

#### **SENATE OR SENATE COMMITTEE POSITION TO BE FILLED** *(except when otherwise noted, all terms begin immediately)*

#### **CANDIDATE**

#### **SCAPP Art Acquisition Subcommittee**

Faculty Member knowledgeable in archaeology, visual arts,  
archives or heritage conservation (until March 31, 2011)  
Ad hoc expert (until March 31, 2012)

Sarah De Leeuw  
Farid Rahemtulla

#### **Steering Committee of Senate**

Lay or Regional Senator (until March 31, 2011)

Shelley McKenzie (Lay)

The Chair of the Senate Committee on Nominations called for further nominations, and there being none, the candidates were appointed as proposed.

### 9.0 Other Business

#### 9.1 Report of the Registrar DeGrace

The Registrar was not in attendance, so no report was provided.

#### 9.2 Enrolment Patterns (*Presentation*) Madak / Dale

Dean Madak presented some numbers with regard to enrolment patterns (presentation attached as Appendix I). He noted that the head count of students had decreased by 1.2% from 2009, essentially at the undergraduate level. Head counts have increased for students in Continuing Studies courses for credit, graduate programs, and international programs. With regard to FTE's, numbers are down 2.8% from last January at the same time. Similar patterns to those for head counts have been demonstrated in FTE numbers, with undergraduate student FTE's decreased and graduate and international program numbers increased. In comparison to last year, student FTE's in the College of Arts, Social and Health Sciences are down by 5.4%, while FTE's in the College of Science and Management have increased by 1.4%.

Dean Madak attributed a portion of the reported decreases to the lack of new students registering in the January semester this year, signifying a problem with recruitment and retention. He provided more detail regarding this issue, noting that, with regard to fall-to-fall retention rates for all baccalaureate students (five-year cycles), 66% of first-year students, 76.9% of second-year students, and 77.8% of third-year students were retained. He noted that Maclean's magazine has UNBC ranked at the bottom of universities in Canada with regard to recruitment and retention, and added that five-year cycle retention rates for high school and transfer students were comparable to those for all baccalaureate students.

Dean Madak reported that, for all three groups of students for which recruitment and retention statistics were determined, students with the highest retention rates were less than 25 years old, citizens of a country outside Canada, non-Aboriginal, enrolled full-time (12 or more credits), and beyond their first year of study.

Dr. Madak provided information regarding a report from the BC Council on Admissions and Transfer (BCCAT), which followed students, and their transfer patterns, from high school through to post-secondary education in northern BC. Some major points illuminated in these statistics were that 277 students transferred out of UNBC while only 219 transferred in (a difference of 58 students), and that Northern Lights College sent more students to other post-secondary institutions than it sent to UNBC.

Dr. Dale commented on Dean Madak's presentation. He indicated that FTE targets from the Ministry are continually increased. Thus, even if UNBC maintains the same number of registrations, student numbers appear to be decreasing, which is cause for concern. He added that the first-year experience, both academically and socially, is very important. UNBC has done much with regard to improving the social experience, but can do more academically in this regard, such as having the best faculty members and researchers teach first-year courses. Dr. Dale added that more focus would be useful, such as informal cohorting. He also suggested that there is more to be done to improve processes, which will be addressed. Dr. Dale concluded with the sentiment that UNBC needs to look both at recruitment and retention and the quality of students. A Senator suggested that some students may leave UNBC because they have no relatives in the region. Dr. Dale added that some students may have come to UNBC intending to move on to other programs. A Senator asked whether information was available in relation to the number of students leaving UNBC because they wanted to leave Prince George rather than the University. Dr. Dale replied that it is difficult to obtain information about and from students who leave UNBC, because they have left and are hard to contact. He added, however, that UNBC may be able to follow up with these students with a questionnaire if the Freedom of Information and Protection of Privacy Act will allow it. A Senator asked how many students who leave UNBC end up in universities with programs that are not offered at UNBC. Dean Madak responded that the BCCAT website has this type of information, but only for students who go to other BC post-secondary institutions. One Senator expressed that support outside the classroom, such as with regard to using the library, is important. Another Senator commented that he was astonished by the figures from Northwest Community College and Northern Lights College, thinking that UNBC would receive approximately 50-60% of the students transferring from those institutions. He asked whether concentrating on relationships with those institutions would be useful. Dean Madak replied that it would, that partnerships are important.

## **10.0 Information** *(no material)*

### **10.1 "The Balance Between Undergraduate and Graduate Studies" *(Presentation)***

**Fondahl**

Dr. Fondahl delivered a presentation regarding the balance between undergraduate and graduate studies at UNBC (attached as Appendix II). She noted that the presentation was simply background information to provide context for the discussion to follow. Dr. Fondahl indicated that the current balance had developed organically, and thought that it would be useful for the University to look at how it wants the distribution to look and then plan accordingly. She reported that the number of graduate students at UNBC is 17% of the overall student body, and provided graphs demonstrating UNBC's graduate student percentages in different contexts (such as in comparison with other primarily-undergraduate universities, other comprehensive universities, and US institutions).

After presenting this background material, Dr. Fondahl asked whether a change in balance was desirable, adding that there was no "hidden agenda" for this discussion and that she wanted to focus on the big picture rather than the technical details. Dr. Fondahl asked what UNBC should aim for in this regard, and why. A Senator responded that he would like to see greater continuity for students and increased interaction between undergraduate and graduate students. Another Senator responded that UNBC is a small university with 17% graduate students, and asked what that meant for faculty members. He suggested that most of faculty members' teaching responsibilities are at the undergraduate level, and that graduate studies are at the edge of their workload. As a result, the Senator expressed concern about the capacity of faculty members to be really good at what they do.

One Senator suggested that we are focusing on quantity of students, but need to look at quality also when considering statistical data. Dr. Fondahl responded that the metrics were provided for background

to the discussion only. Another Senator suggested that the point regarding quality was a good one, and that he would like to see an increase to the GPA required for graduate students to enter UNBC.

It was noted by a Senator that, according to the Conference Board of Canada, graduate student participation is half what it is in the United States, and that this results in a lack of innovation. The Senator added that he would like to see graduate education grow, and concluded with the statement that there would be steadily increasing numbers of students seeking a graduate education and that society would encourage this. Another Senator suggested that workload is expanded by working with graduate students, and that some colleagues will not take on graduate students because they do not have the resources. She added that it needed to be acknowledged that 17% graduate students means that a lot of work is done off the edge of people's desks. The comment was added that the Faculty Association needed to adjust the definition of workload.

It was suggested that members of the University needed to bear in mind the way they think about graduate studies and where it fits within the University. For instance, the Dean asked whether we think of ourselves as an undergraduate university tolerating graduate students if it is not too much work, or whether we value graduate students and become immersed in that in a big way. He suggested that, if we want to be in the category of becoming a University that supports graduate studies, we need to think of ourselves as a graduate University. He added that there might be a disciplinary distinction in this regard, in that some Programs want and need graduate students, while others not to the same degree. Finally, the Dean concluded that, if the University fosters research and scholarly thinking associated with graduate studies, it will enrich undergraduate study.

It was expressed by a Senator that she was a great supporter of graduate Programs and that, in order to serve northern BC, the University needed to do a better job of incorporating mature students. She added that she thought it was difficult to have dialogue of this nature without also discussing mechanics such as workload and the quality and quantity of students.

Another Senator was of the opinion that what makes UNBC successful is the quality of its undergraduate students. He added that in his Program, as a result of their undergraduate education, undergraduate students are much more prepared to undertake graduate studies than students in some other universities.

Dr. Fondahl asked Senators to continue to think about and discuss this matter, noting that Senate would come back to this topic in the future. Finally, Dr. Fondahl thanked Senators for their comments and contributions, and invited them to send further comments to her.

**11.0**    **S-201001.51**  
**Move to In Camera Session**  
Casperson / Jensen  
That the meeting move In Camera.  
CARRIED.

**12.0**    **S-201001.60**  
**Adjournment**  
Hutchings / Annis  
That the Senate meeting be adjourned.  
CARRIED.

The meeting ended at 5:25 p.m.

# ENROLMENT PATTERNS

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Compiled by:

Institutional Data Analysis and Reporting

B. C. Council of Admissions & Transfer

Dr. Paul Madak

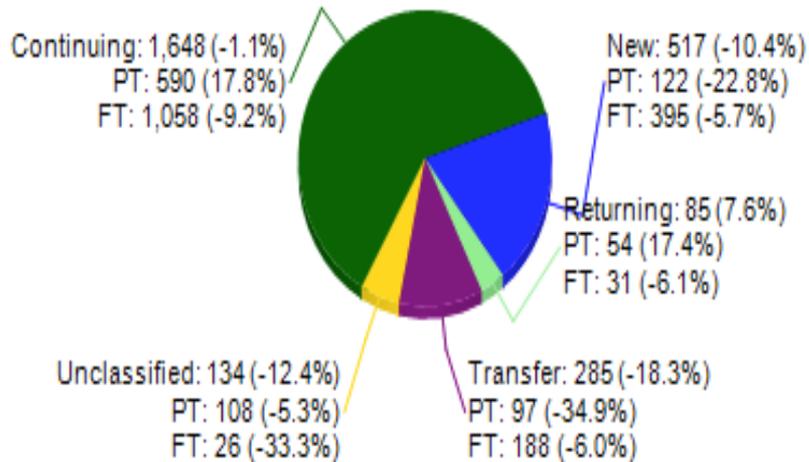
Dr. Waqar Haque

January 2010

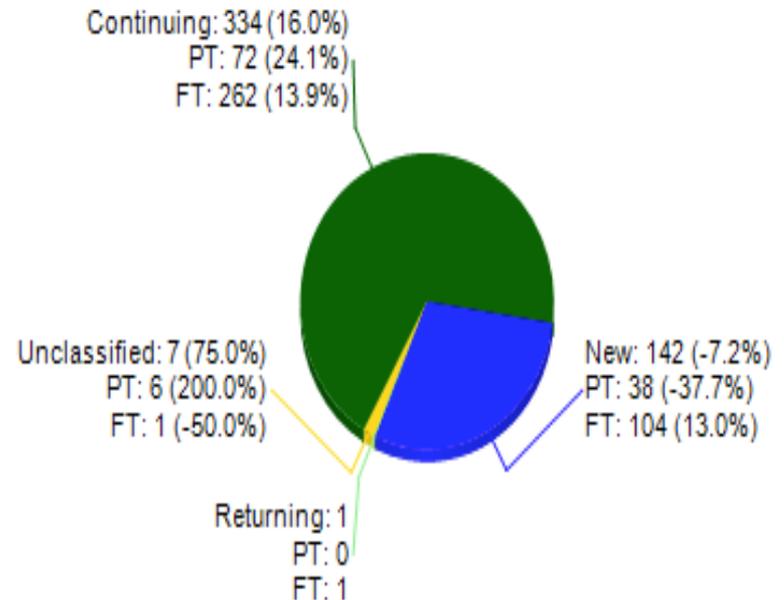


# Head Counts for Winter 2010 Semester

Undergraduate (2,669) [-5.5%]



Graduate (484) [8.8%]



Totals for 2009 and 2010 Winter Semesters

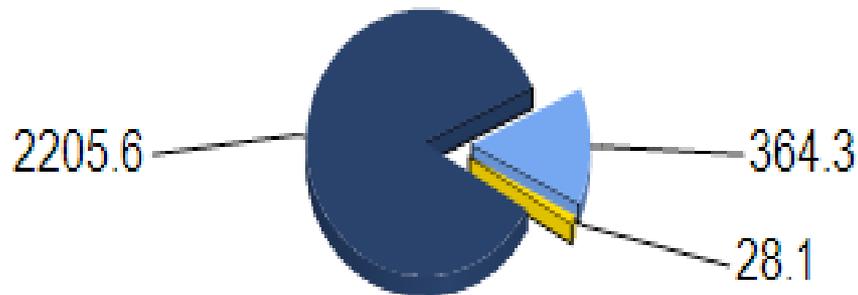
2009 = 3,241

2010 = 3,134

**-3.3%**

### Winter 2009

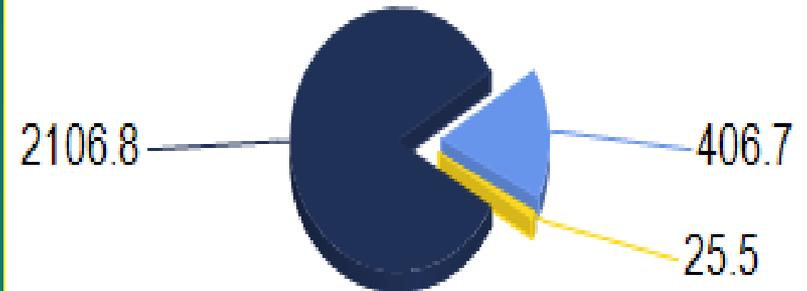
undergraduate graduate Continuing Studies



2,741.5 FTEs

### Winter 2010

undergraduate graduate Continuing Studies



2,342.7 FTEs

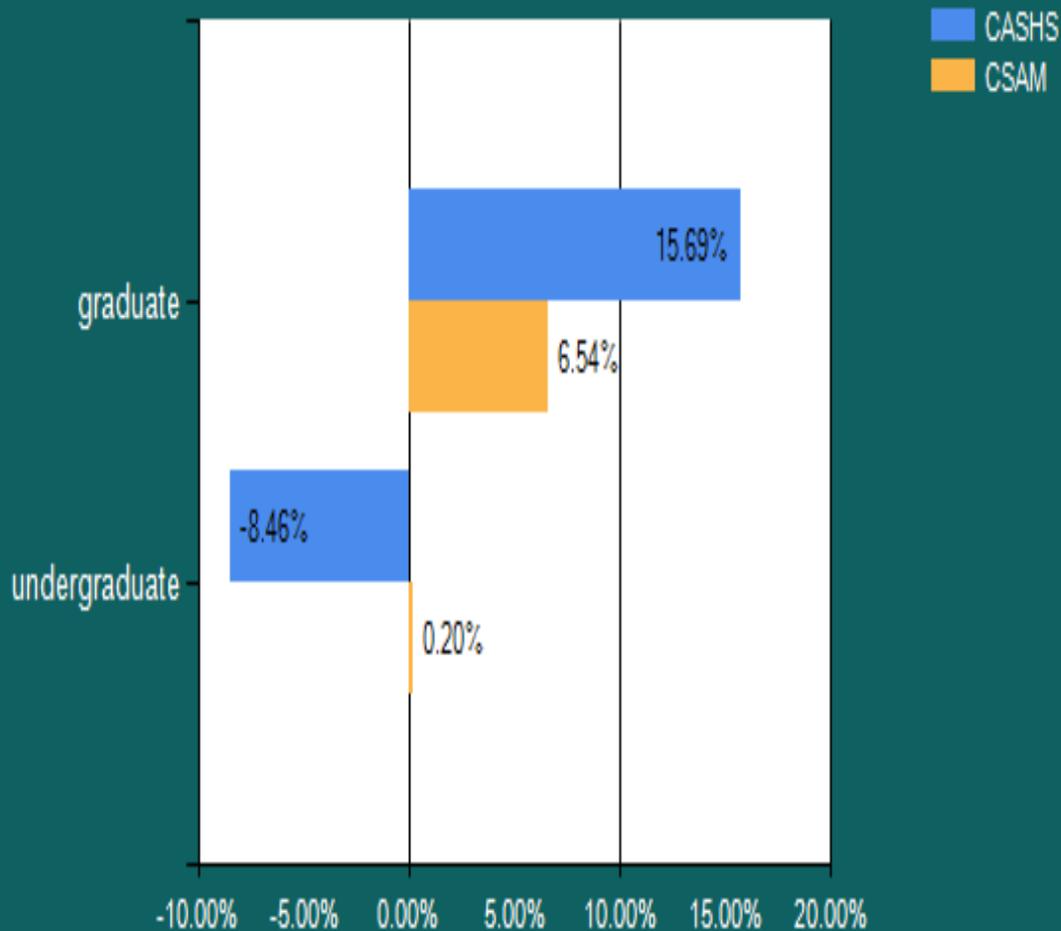
Total FTEs less International paying students

Winter 2009 = 2,524.77

Winter 2010 = 2,461.77

**-2.5%**

# Percent Change in FTE by College



	% Change
<b>CASHS</b>	<b>-4.7%</b>
<b>CSAM</b>	<b>1.0%</b>
<b>X College</b>	<b>-11.6%</b>
<b>International</b>	<b>- 9.6%</b>
<b>Cont Studies</b>	<b>-9.2%</b>
<b>Total</b>	<b>-2.5%</b>

# Number of New Students Registering for the Winter Semester

Winter 2009	Winter 2010	Percent Change
110	48	-43.6%

# Fall-to-Fall Retention Rates: Based on a Five Year Cycle

# Five Year Cycle for all Baccalaureate Students\*

<b>Year of Study</b>	<b>Percentage Retained</b>
First Year	66.1%
Second Year	76.9%
Third Year	77.8%

First year = 0 to 30 credits  
Second year = 30.1 to 60 credits  
Third year = 60.1 to 90 credits

\* Including International students.

# Five Year Cycle for BC High School Students\*

<b>Year of Study</b>	<b>Percentage Retained</b>
First Year	68.9%
Second Year	82.2%
Third Year	79.0%

First year = 0 to 30 credits  
 Second year = 30.1 to 60 credits  
 Third year = 60.1 to 90 credits

\* Enrolled at UNBC upon graduation from High School.

# Five Year Cycle for Transfer Students\*

<b>Year of Study</b>	<b>Percentage Retained</b>
First Year	68.0%
Second Year	78.8%
Third Year	80.8%

First year = 0 to 30 credits  
 Second year = 30.1 to 60 credits  
 Third year = 60.1 to 90 credits

\* Including International students.

For all 3 groups above, students with the highest retention rates were:

- less than 25 years old
- citizens of a country outside Canada
- not Aboriginal
- enrolled full-time (12 or more credits)
- beyond their first year-of-study

# Student Transitions and Mobility With a Focus on Northern BC Institutions

PRESENTED TO BCCAT  
92<sup>ND</sup> MEETING OF COUNCIL  
Prince George, BC

By  
Joanne Heslop, stp  
Devron Gaber, bccat

October 2, 2009

# Focus on Student Mobility in Northern BC

12

## College Regions in Northern BC:

- 9 - New Caledonia
- 10 - Northern Lights
- 12 – Northwest

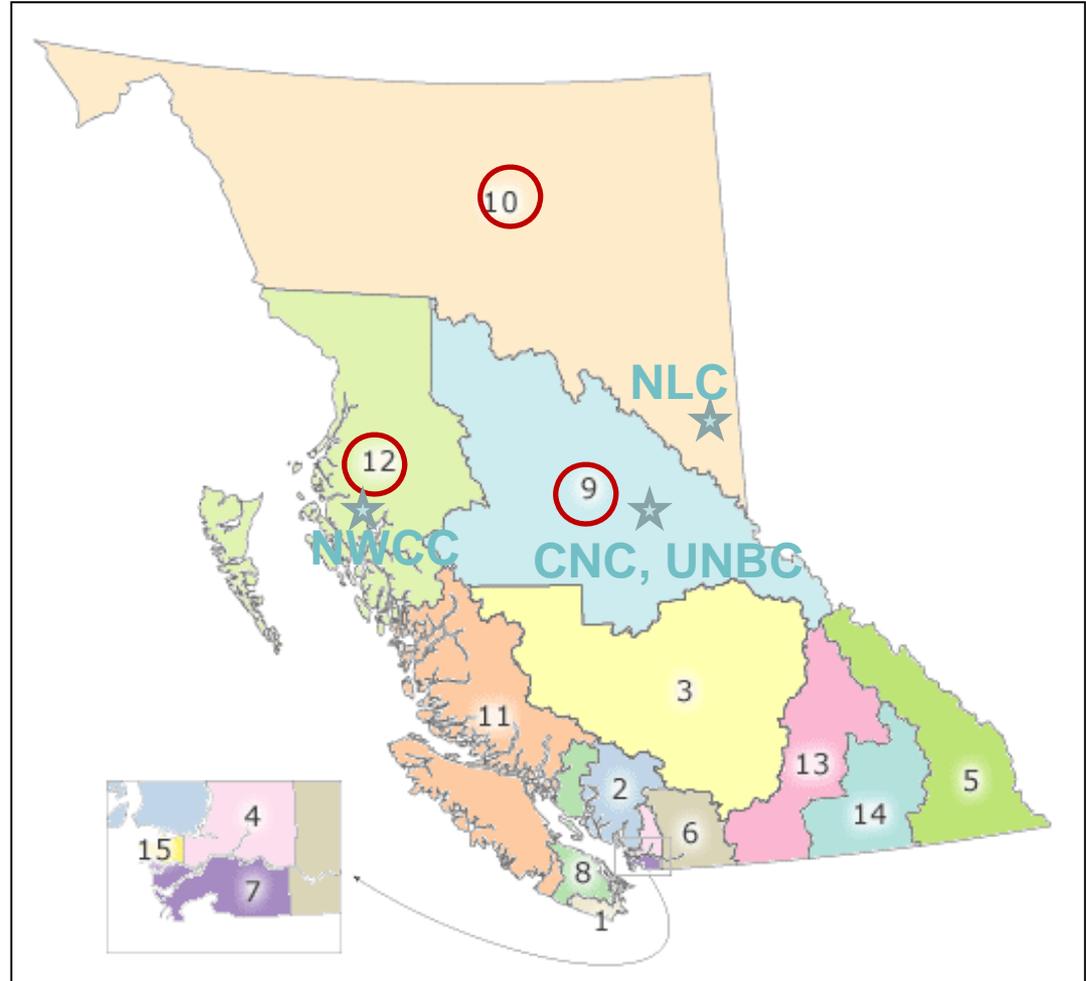
## Northern B.C. Public Post-Sec. Institutions and Campus Locations:

**College of New Caledonia (CNC)** - Prince George, Burns Lake, Fort St. James, Fraser Lake, Mackenzie, Quesnel, Vanderhoof, Valemount.

**University of Northern B.C. (UNBC)** – Prince George, Quesnel, Terrace, Fort St. John.

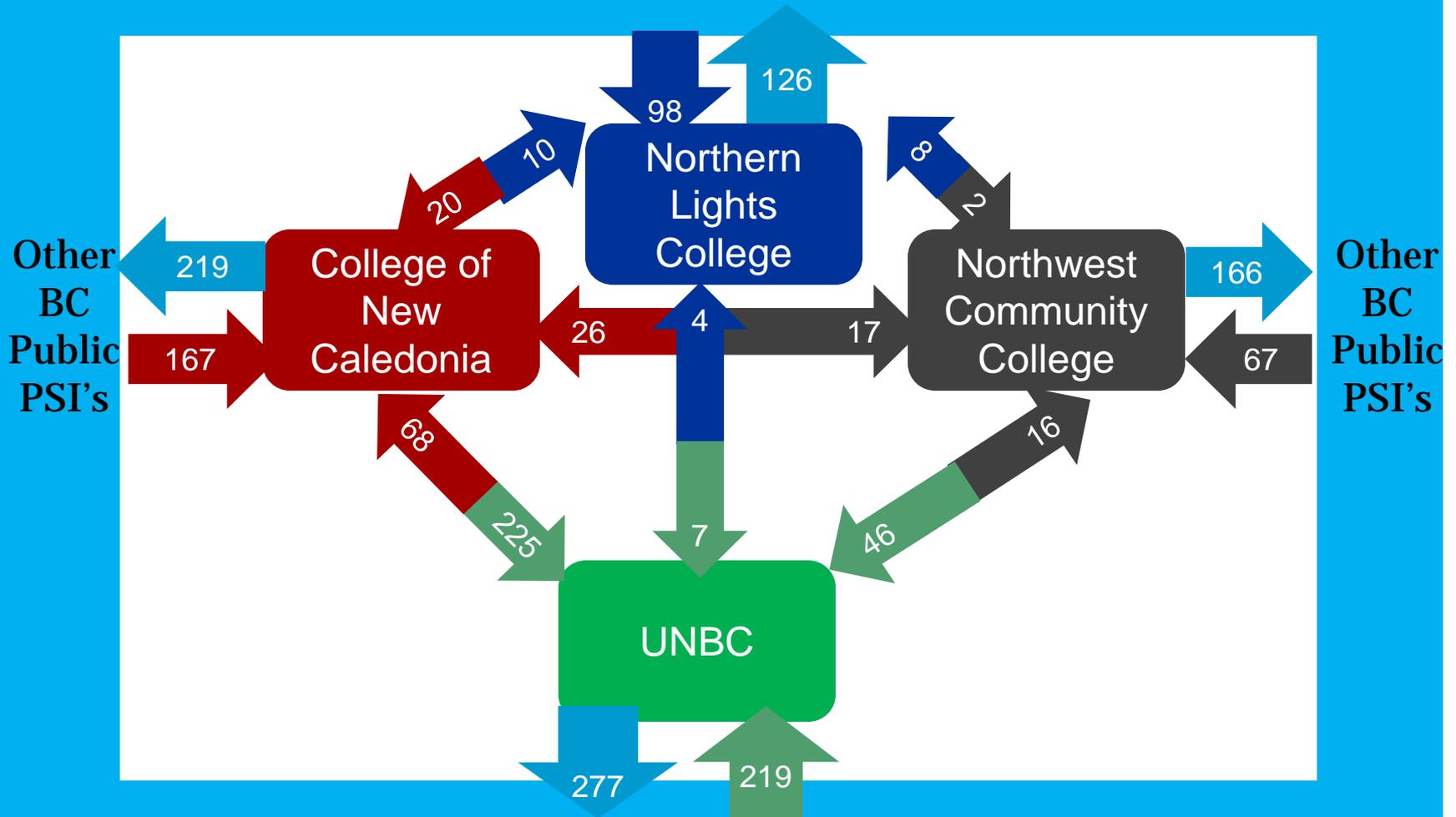
**Northern Lights College (NLC)** – Dawson Creek, Atlin, Chetwynd, Dease Lake, Fort St. John, Fort Nelson, Tumbler Ridge.

**Northwest Community College (NWCC)** – Terrace, Hazelton, Houston, Kitimat, Masset, Prince Rupert, Queen Charlotte City, Skidegate, Smithers, Nass Valley.



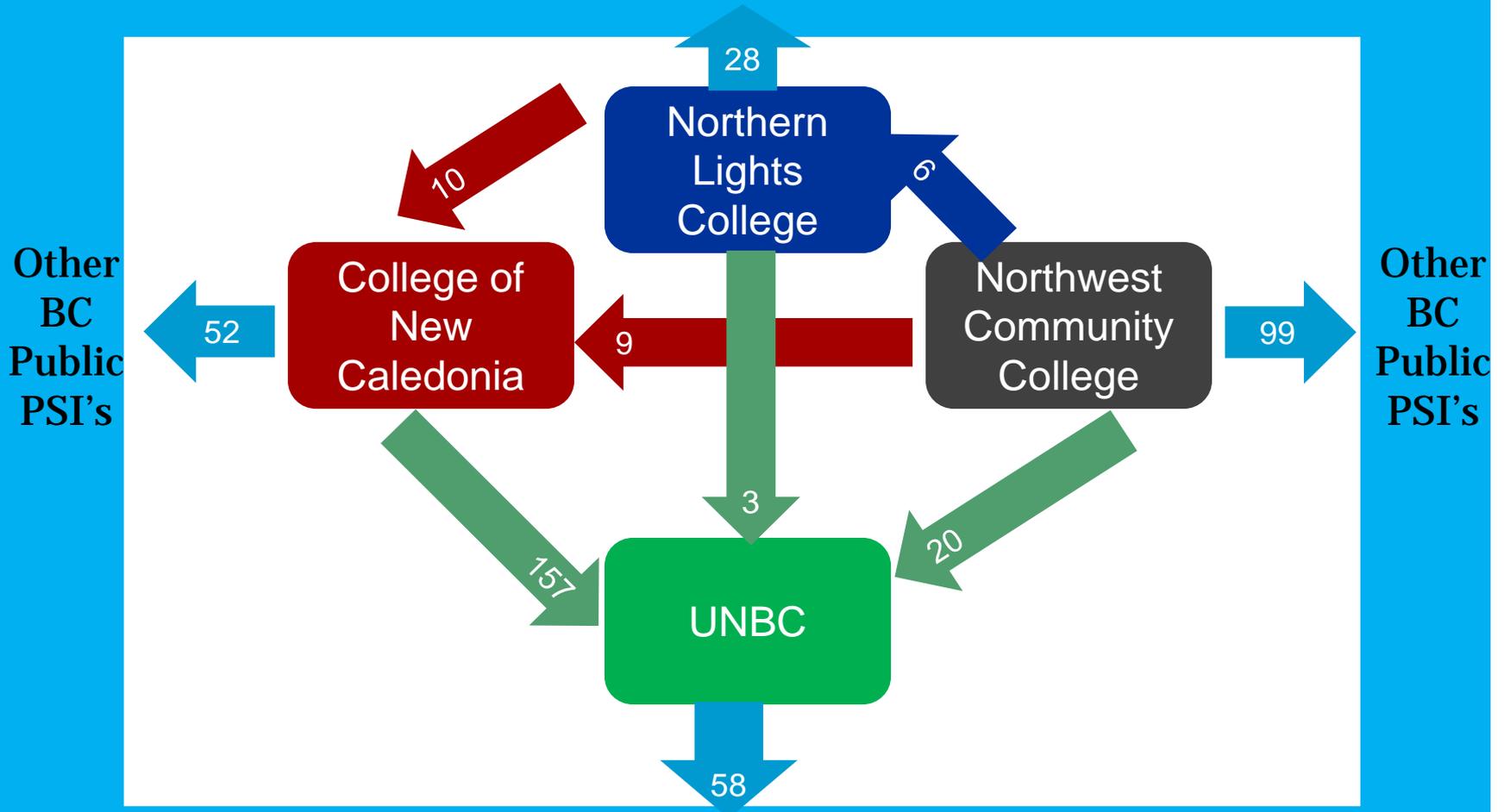
Student Mobility in Northern BC -- Continuing Registrants from 2006/07 to 2007/08

Other BC Public Post-Secondary Institutions



Net Student Flows of Continuing Registrants in Northern BC, 2006/07 to 2007/08

Other BC Public Post-Secondary Institutions



Other BC Public PSI's

# Discussion

“Retention, then, is not the primary goal, but it is the best indicator that an institution is meeting its goal of student satisfaction and success. It is a measure of how much student growth and learning takes place, how valued and respected students feel on campus, and how effectively the campus delivers what students expect, need, and want. When these conditions are met, students find a way to stay in school, despite external financial and personal pressures. In sum, retention is a measure of overall product” (Levitz, Noel, Richter, 1999, 31-32).

“Increased retention results in substantial savings for even the smallest of institutions, and millions of dollars to the largest. Beyond the budgetary impact of improved retention, increases in student satisfaction are worth their weight in gold as current students talk with prospective students in their families, schools, workplaces, and home towns. Student success and institutional success are truly inseparable” (Levitz, Noel, Richter, 1999, 48).

“Getting students started right on the path through the institution to graduation begins with anticipating and meeting their transition and adjustment needs when they enter. Freshmen need a prevention plan. Intrusive, proactive strategies must be used to reach freshman before the students have an opportunity to experience feeling of failure, disappointment, and confusion” (Lavetz, Noel & Richter, 1999, 39).

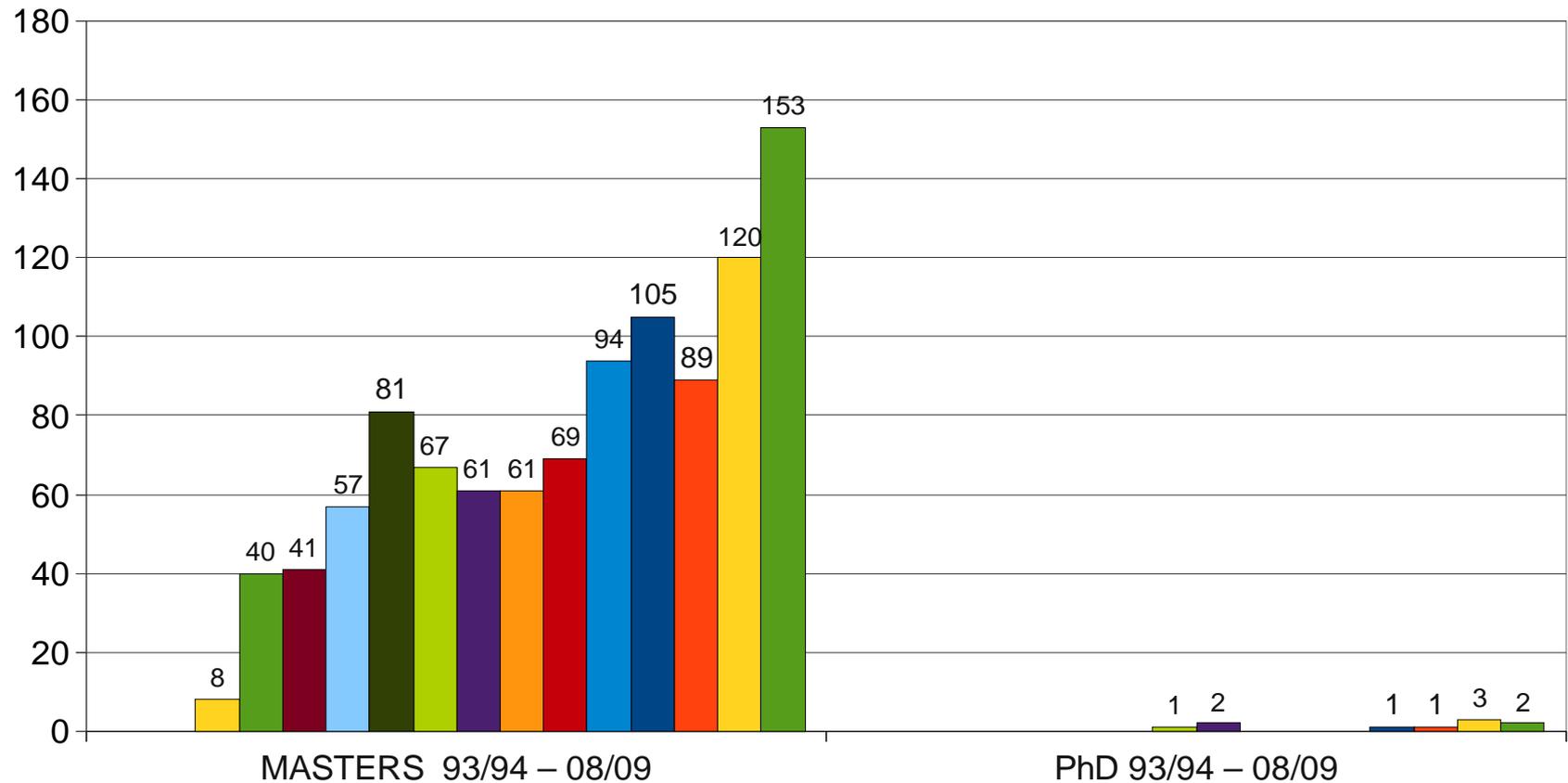
# Balancing Graduate and Undergraduate Education at UNBC

Background for Discussion  
UNBC Senate, 20 January 2010

# Graduate Degrees at UNBC

- MA (10)
- MBA
- MSc (6)
- MNRES
- MEd
- MSW
- MScN (+MScN-FNP)
- PhD (2) (+1 additional)

# Graduate Credentials Awarded

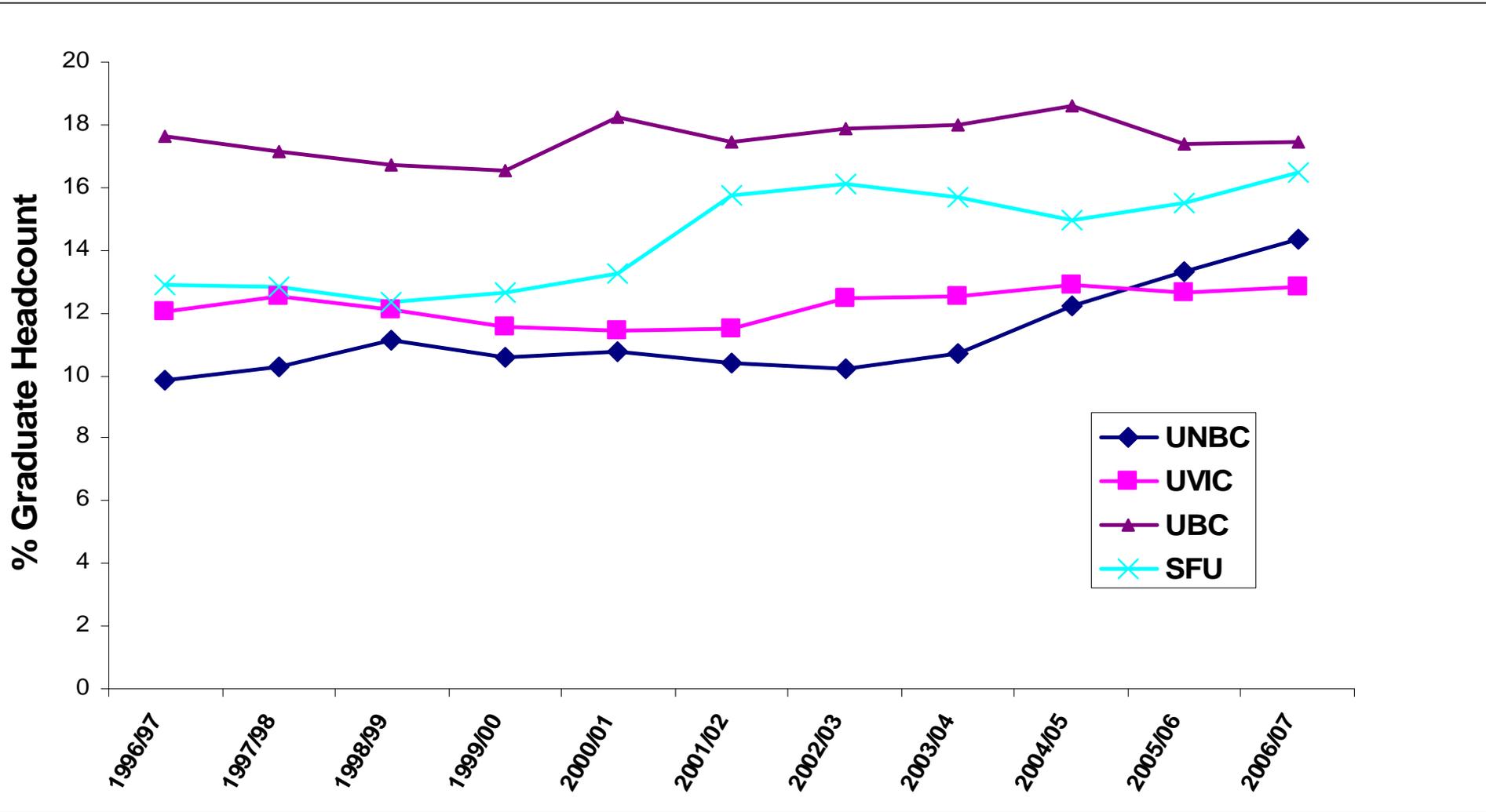


# Current situation:

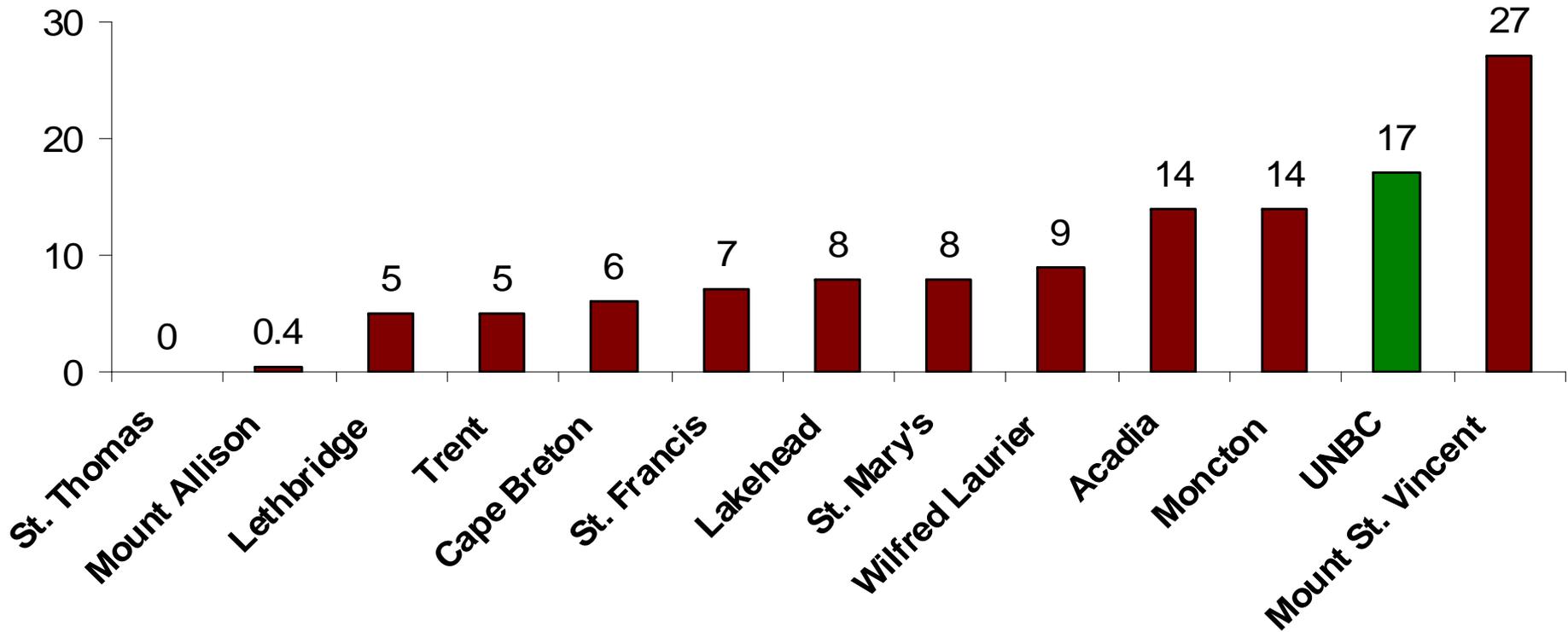
So far, distribution between has evolved organically  
as a result of

- Demographics
- Individual faculty choices
- Excellence of UNBC's researchers

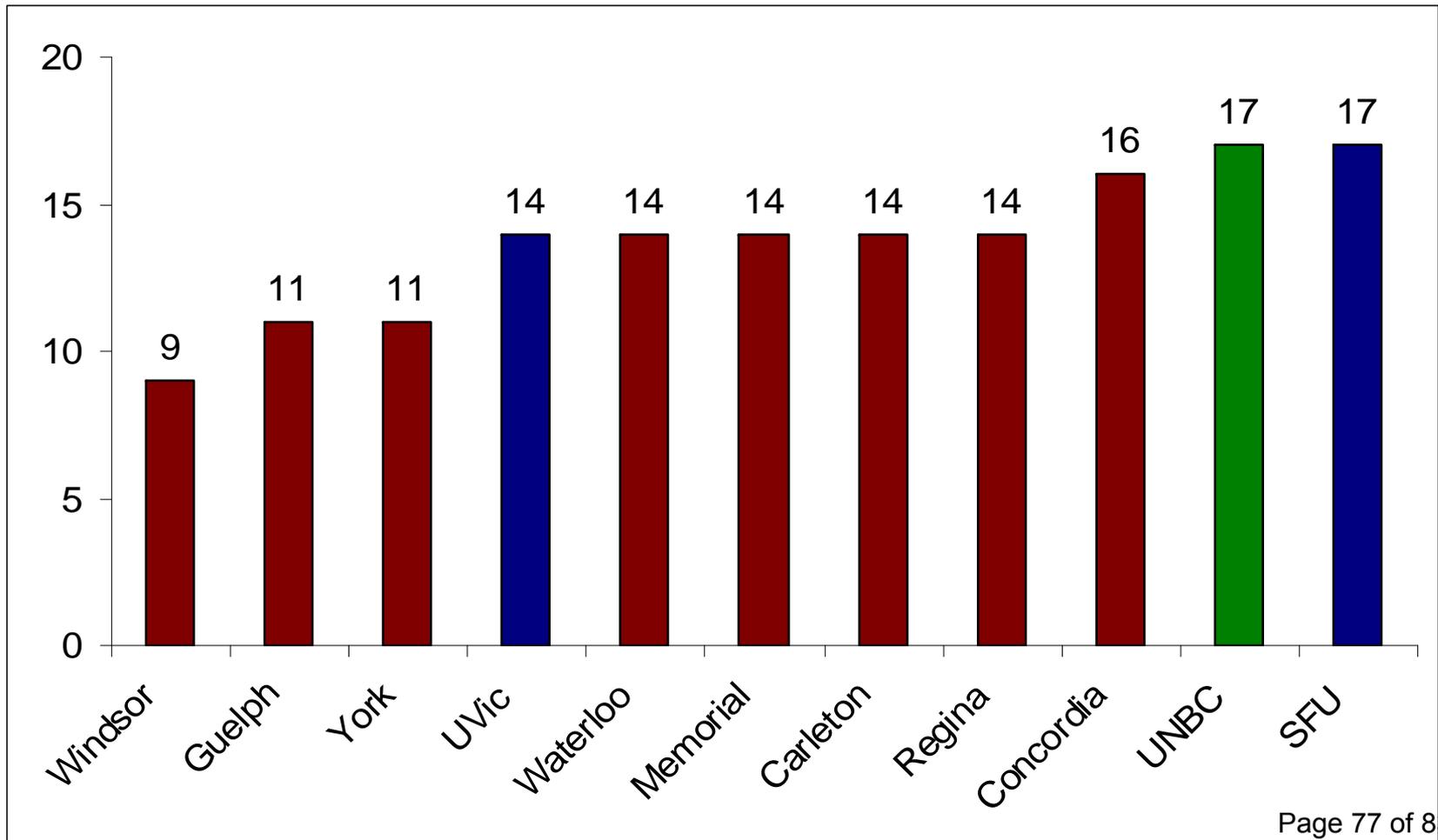
Useful to think about what we would like distribution  
to be, and then plan accordingly to achieve



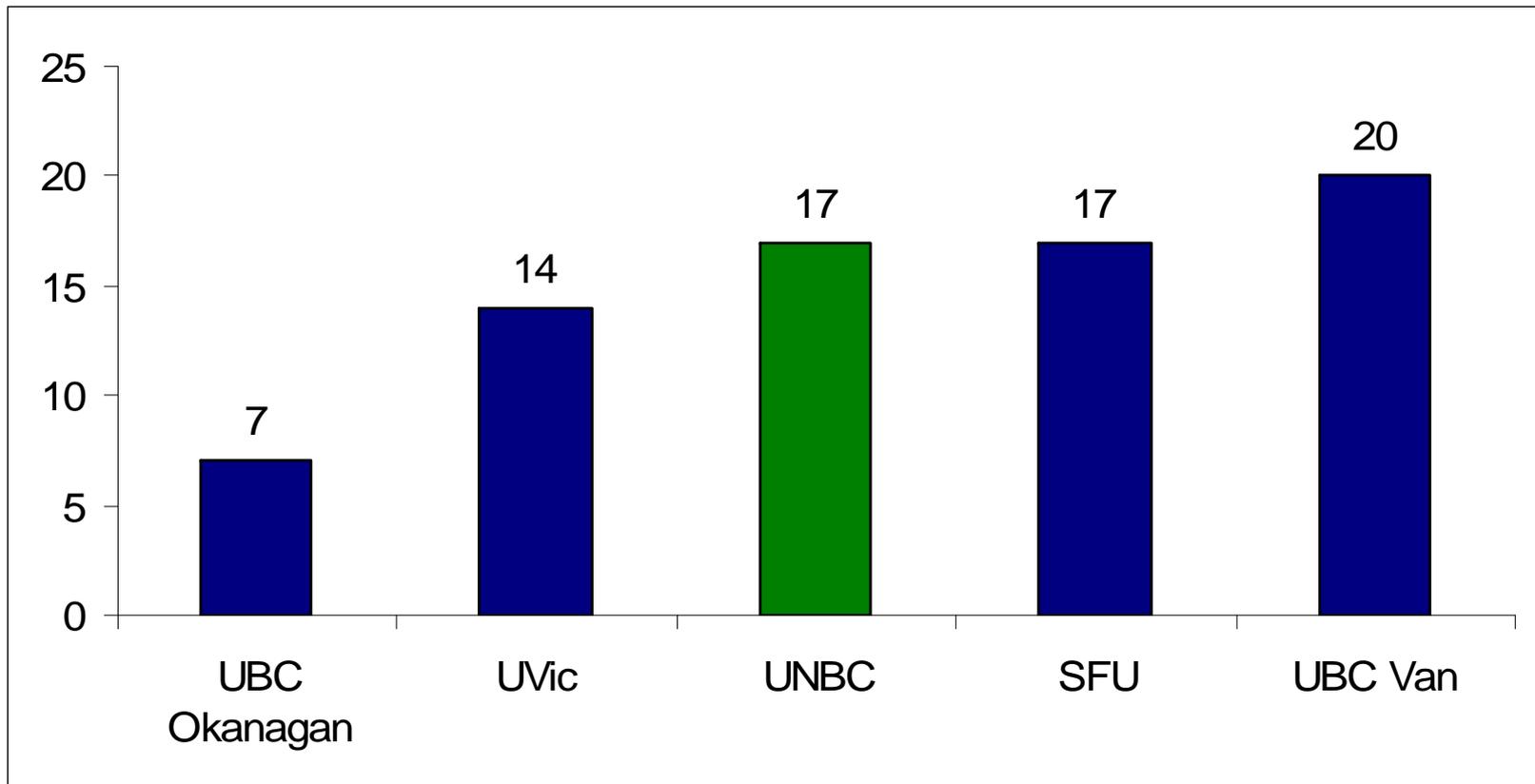
# Primarily U-Grad Institutions – % Graduate Student Headcount



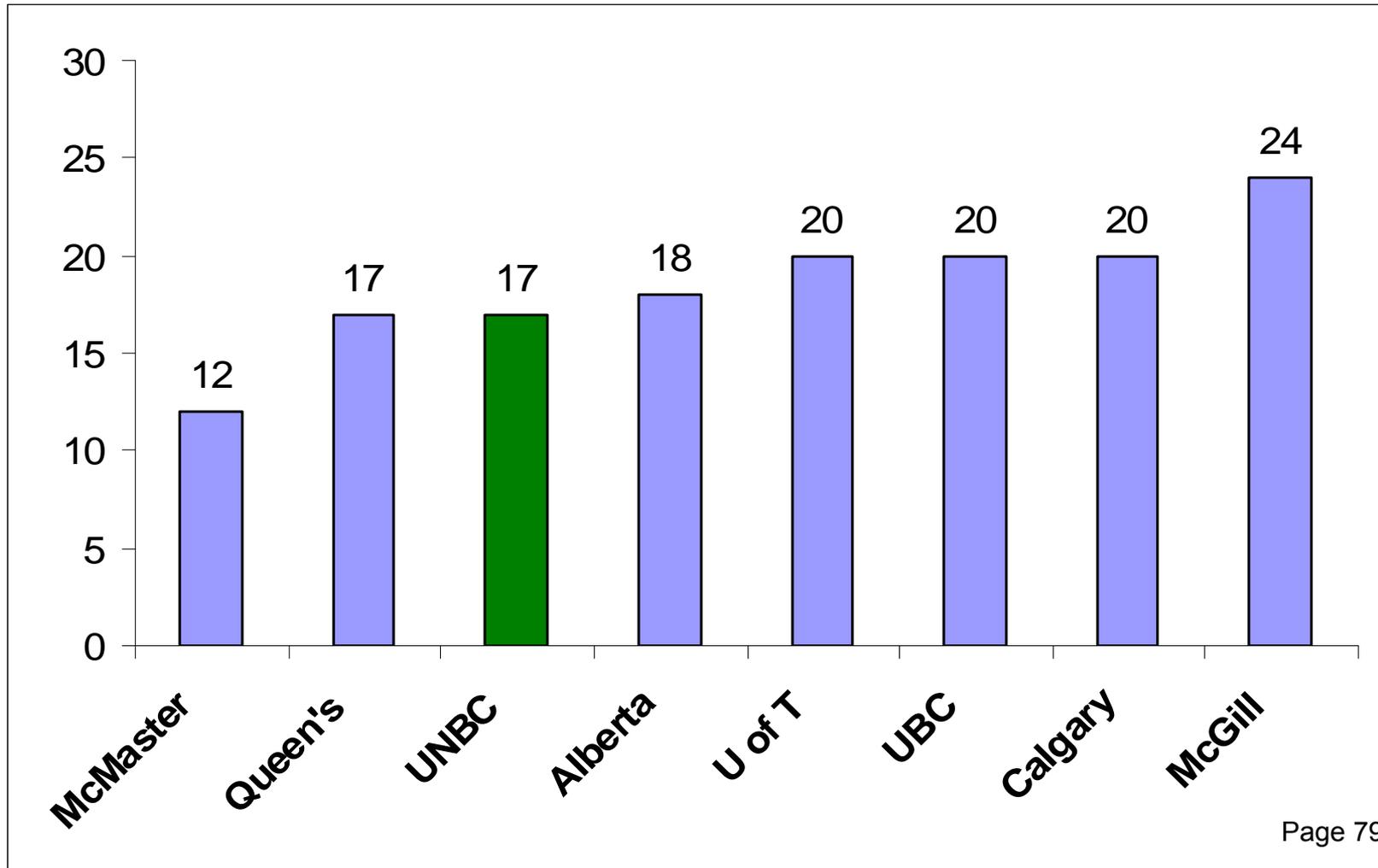
# Comprehensive Category – % Graduate Student Headcount



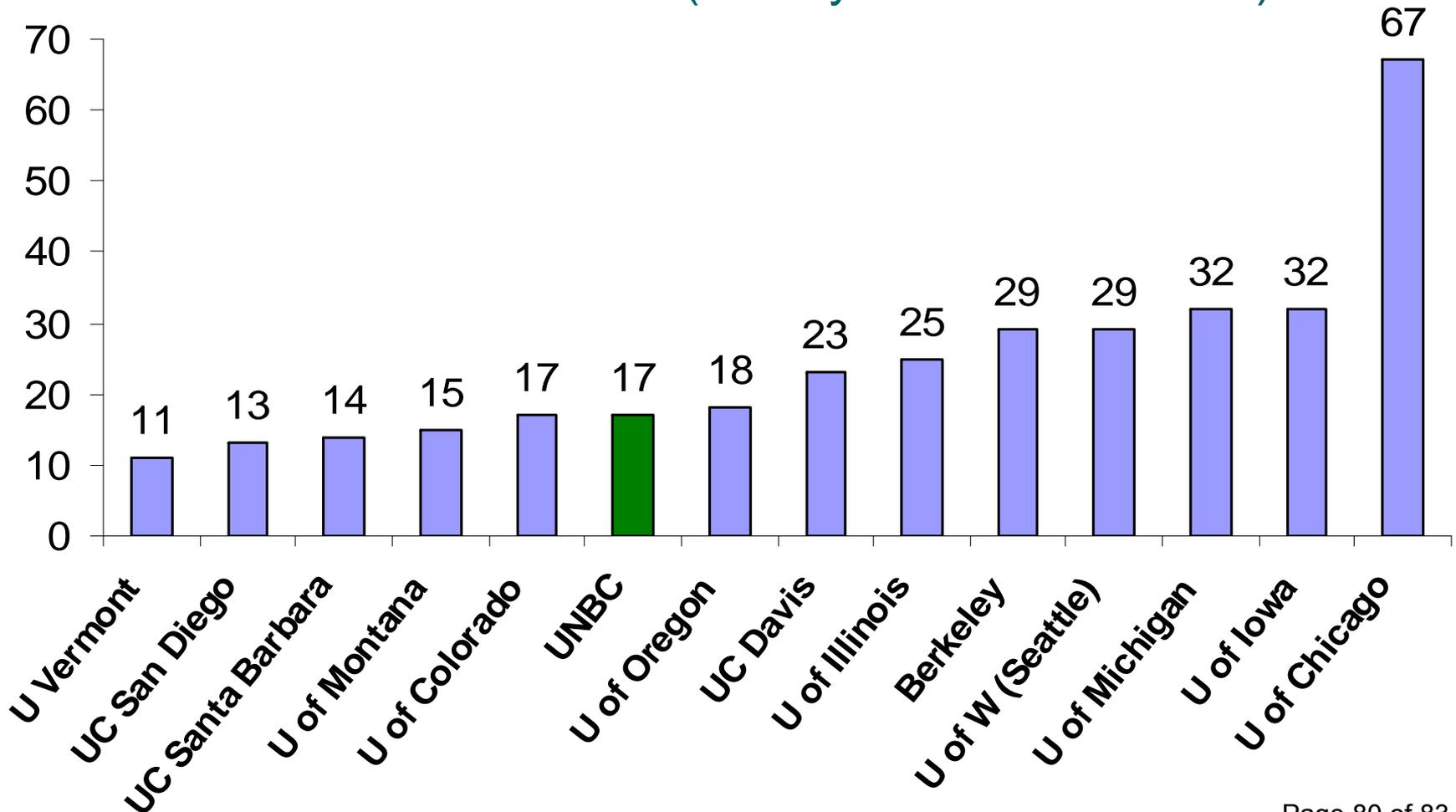
# % Graduate Student Headcount at BC Institutions



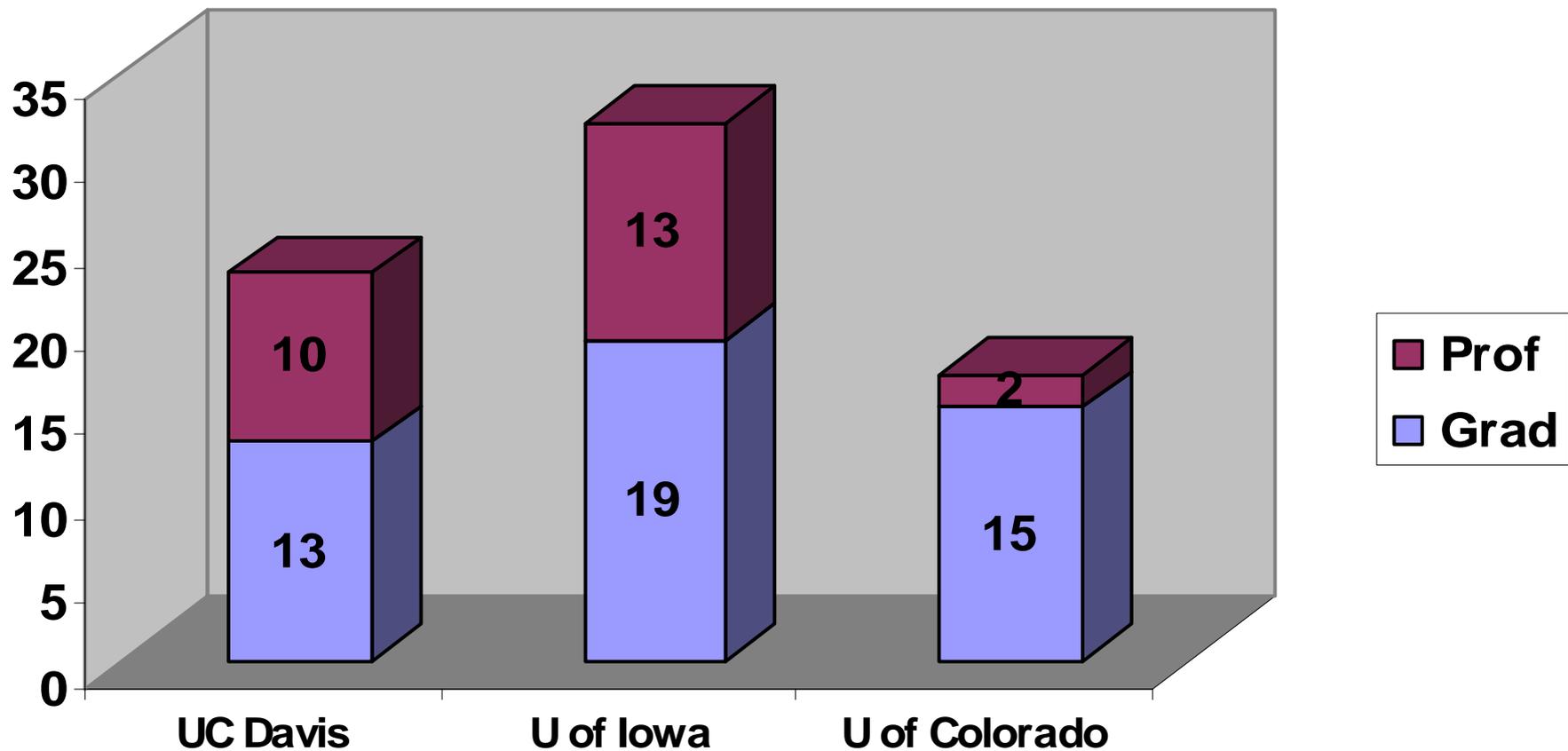
# UNBC Compared to Medical/Doctoral Ranked Institutions



# % Graduate Headcount – UNBC vs. US (mainly state institutions)



# % Headcount Subdivided into Grad & Prof Categories for 3 US Universities



# Discussion:

## Is a change in balance desirable?

### Notes

- No 'hidden agenda'
- Focus on '10,000m' view –
  - Not to worry about specifics today (e.g. funding issues, mechanical issues)

## Discussion:

# Is a change in balance desirable?

## What should we aim for? Why?

- Undergrad/ Masters/PhD balance
- Professional/ Research balance